RECEIVED
By Alameda County Environmental Health 3:48 pm, Nov 20, 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. Nowell:

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

October 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
Third 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 third 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, Third 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)*

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 (Third Quarter 2015):

1. During the third quarter 2015, Stratus conducted seven 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 third quarter 2015 groundwater monitoring and sampling event was performed on August 25, 2015.

WORK PROPOSED FOR NEXT PERIOD (Fourth Quarter 2015):

1. Stratus will continue to operate the DPE system, while groundwater levels at the site remain low, until approximately November 15, 2015. DPE remediation is tentatively scheduled to be discontinued at this time due to funding limitations.

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:	August 25, 2015
Is Free Product (FP) Present on Site:	Intermittent sheen/FP at well MW-1
Depth to Groundwater:	5.25 to 28.08 feet below the top of the well casing
Groundwater Flow Direction :	Not mathematically calculated due to large variability in groundwater levels within the monitoring well network (discussed between ACEHD and Stratus in May 2013 meeting). Based on distribution of fuel contaminants in groundwater, shallow groundwater flow appears to be predominately to the west-northwest. Under DPE conditions, inward groundwater flow towards wells used for extraction is likely occurring locally.

SOIL VAPOR EXTRACTION PORTION OF DPE SYSTEM – PERFORMANCE SUMMARY:

Equipment Inventory:	Enviro Supply 250 cfm thermal/catalytic oxidizer; 20-hp LRP
Operating Mode:	Thermal (continuous)
BAAQMD Permit Nos.:	PTO Plant No. 22351
Influent GRO Conc. End of Period (lab):	65 mg/m^3 (9/1/15)
Influent Benzene Conc. End of Period (lab):	<0.20 mg/m^3 (9/1/15)
Influent MTBE Conc. End of Period (lab):	<0.20 mg/m^3 (9/1/15)
Average Flow Rate:	125.7 acfm (between 6/22/15 and 9/22/15)
Average Applied Vacuum:	11.2 inches Hg (between 6/22/15 and 9/22/15)
GRO Destroyed this Period:	47.0 lbs (between 6/2/15 and 9/1/15)
GRO Destroyed to Date:	307.9 lbs (between 11/20/14 and 9/1/15)
Operating Hours this Period:	1,459.0 hrs (between 6/22/15 and 9/22/15)
Percent Time Operational (average):	66.1% (between 6/22/15 and 9/22/15)
Number of Shutdowns:	3

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) (9/1/15)
Benzene Concentration End of Period (lab):	<0.50 µg/L (system influent) (9/1/15)
MTBE Concentration End of Period (lab):	<0.50 µg/L (system influent) (9/1/15)
Average Groundwater Extraction Rate:	0.05 gpm (average between 6/2/15 and 9/1/15)
GRO extracted this period:	2.63 lbs (between 6/2/15 and 9/1/15)
Groundwater Discharged this Period:	4,110 gallons (between 6/2/15 and 9/1/15)
GRO extracted to Date:	2.64 lbs (between 11/18/14 and 9/1/15)
Groundwater Discharged to Date:	24,540 gallons (between 11/18/14 and 9/1/15)

FINDINGS AND DISCUSSION:

Stratus conducted groundwater monitoring and sampling activities on August 25, 2015. During this event, wells MW-2 through MW-9 were gauged and wells MW-1 through MW-8 were sampled. Since well MW-1 is being used for DPE, a groundwater level measurement was not collected from this well. Well MW-9 did not contain sufficient groundwater to allow for well sampling. Groundwater samples were forwarded to a state-certified analytical laboratory to be analyzed for gasoline range organics (GRO) by EPA Method SW8015B/SW8260B, for benzene, toluene, ethylbenzene, and xylene (BTEX compounds), methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB),

halogenated volatile organic compounds (HVOCs) by EPA Method 624/8260, 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.

Groundwater Levels and Distribution of Groundwater Contaminants

Groundwater levels in the well network ranged from 5.25 to 28.08 feet below the top of the well casing on August 25, 2015, under active remedial conditions. Given the dimensions and layout of the property (small acreage on flat land), very large variations in groundwater levels are observed within the site's well network. Due to this condition, preparation of groundwater elevation contour maps using the available data do not appear useful for assessing groundwater flow direction beneath the site, and thus Stratus has discontinued preparation of groundwater elevation contour maps (discussed in May 2013 meeting). Localized inward flow towards the extraction wells, is expected due to ongoing DPE.

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

The highest concentration of GRO (13,000 micrograms per liter [µg/L]) was reported in the sample collected from well MW-1. Benzene was also detected at MW-1 at 190 µg/L. GRO and benzene were also detected in samples collected from wells MW-4 (1,100 µg/L and 5.1 µg/L, respectively), MW-5 (230 µg/L and 1.0 µg/L, respectively), MW-6 (110 µg/L and 4.2 µg/L, respectively), and MW-7 (1,800 µg/L and 50 µg/L, respectively). Oil and grease was reported in the MW-1 well sample (1,600,000 µg/L without silica gel treatment, 530,000 µg/L with silica gel treatment) and the MW-4 well sample (5,700 µg/L without silica gel treatment, but non-detectable after silica gel treatment). MTBE was only detected in one well sample (MW-4, 1.7 µg/L).

At well MW-7, trichloroethene (TCE), vinyl chloride (VC), cis-1,2-dichloroethene (cis-1,2-DCE) were detected at concentrations of 2.8 µg/L, 14 µg/L, and 9.8 µg/L, respectively. At well MW-4, TCE, VC, cis-1,2-DCE, and trans-1,2-DCE were detected at concentrations of 2.3 µg/L, 8.3 µg/L, 69 µg/L, and 5.1 µg/L, respectively. TCE was also detected in samples collected from wells MW-2 (2.3 µg/L) and MW-5 (2.1 µg/L). Cis-1,2-DCE was also detected at wells MW-1 (16 µg/L) and MW-5 (2.7 µg/L). At well MW-8, VOC concentrations have been reduced below laboratory reporting limits. No PCE was detected in any of the samples.

DUAL-PHASE EXTRACTION AND GROUNDWATER TREATMENT REMEDIATION SYSTEM:

System Description

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

During the third quarter 2015, Stratus visited the site seven times (July 1 and 15, August 3, 10, and 25, and September 1 and 22, 2015) to verify system operation, conduct routine O&M of the system, to collect groundwater and soil vapor samples for permit compliance, to optimize system operation, and to gauge system effectiveness. An operational summary of the system is summarized in Table 5 and 6. Soil vapor and groundwater analytical results including the extraction and emission rates of the remediation system are summarized in Tables 7 through Table 10.

Field data sheets are included as Appendix A and copies of laboratory analytical reports and chain-of-custody documentation are included as Appendix C.

Between June 22 and September 22, 2015, the remediation system operated for approximately 1,459.0 hours (66.1% uptime during this period), at an average flow rate of approximately 125.7 acfm at an average applied vacuum of approximately 11.2 inches of mercury ("Hg). The system was shut down on several occasions due to lack of propane. A damaged motor also required repair, resulting in equipment downtime. The DPE system operated extracting from wells MW-1, EX-1 through EX-3, and EX-6.

System influent and effluent vapor samples were collected from the SVE portion of the system on July 15, August 10, and September 1, 2015. Influent GRO concentrations ranged from 32 milligrams per cubic meter (mg/m^3) to 65 mg/m^3, influent ethylbenzene concentrations fluctuated from below reporting limits (0.20 mg/m^3) to 0.26 mg/m^3, and the influent total xylenes concentration decreased from 1.52 mg/m^3 to 0.33 mg/m^3. Benzene, toluene, methyl tertiary butyl ether (MTBE), tetrachloroethene (PCE), trichloroethene (TCE), and n-propyl-benzene were all observed below reporting limits. The influent

concentration of 1,2,4-trimethylbenzene was detected on July 15, 2015, at 0.44 mg/m^3. Stratus estimates that approximately 47 pounds of GRO were removed from the subsurface, in the vapor phase, between June 2 and September 1, 2015, and a total of 307.9 pounds of GRO has been removed from the subsurface, in the vapor phase, since startup on November 20, 2014 (see Table 8). During the reporting period, no petroleum hydrocarbons or VOCs were detected in the effluent air samples; therefore, the remediation system is operating in compliance with the BAAQMD permit.

Approximately 4,110 gallons of groundwater were extracted from the subsurface between June 2 and September 1, 2015. The groundwater was subsequently treated on-site, and discharged to the sanitary sewer system. Based on flow totalizer measurements, groundwater is being extracted at a rate of approximately 0.05 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 July 15, August 10, and September 1, 2015. Influent concentrations of GRO were observed to briefly increase during the third quarter 2015, however, experienced an overall decrease from 200,000 µg/L to non-detect (less than 50 µg/L), ethylbenzene was detected from 210 µg/L to less than 50 µg/L, and total xylenes reported between 2,620 µg/L and 1.81 µg/L. Naphthalene decreased from 450 µg/L to less than reporting limits (2.0 µg/L). Concentrations of petroleum hydrocarbons and VOCs were reported as non-detect in all of the effluent groundwater samples. Until the first sampling event during third quarter 2015 (July 15, 2015), influent concentrations of fuel contaminants in groundwater have been relatively low, and therefore, the contaminant mass removal in the dissolved phase has also been 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 AND RECOMMENDATION:

Due to relatively low groundwater levels beneath the property, and continued drought conditions, we expect that subsurface conditions will remain ideal for performing DPE remediation in the upcoming months. However, the current UST Cleanup Fund budget allocated for the site is insufficient for long term operation of the DPE system. Stratus is tentatively planning to discontinue DPE in mid-November. Stratus subsequently intends to complete the first quarter 2016 groundwater monitoring and sampling event. Following completion of this well sampling event, Stratus will provide a recommendation regarding future management of the site's environmental case.

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

TABLE 1
GROUNDWATER ELEVATION SUMMARY

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

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

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

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-2	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
	06/30/15	13.87	42.32	--	28.45
	08/25/15	14.41	42.32	--	27.91

TABLE 1
GROUNDWATER ELEVATION SUMMARY

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

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-3 (shallow)	07/22/00	9.41	36.94	--	27.53
	01/29/01	7.23	36.94	--	29.71
	07/28/01	8.63	36.94	--	28.31
	02/03/02	7.99	36.94	--	28.95
	07/23/02	10.17	36.94	--	26.77
	01/20/03	6.76	36.94	--	30.18
	07/30/03	10.13	36.94	--	26.81
	01/27/04	7.65	36.94	--	29.29
	07/22/04	11.29	39.95	--	28.66
	01/20/05	6.24	39.95	--	33.71
	07/20/05	9.03	39.95	--	30.92
	01/26/06	6.49	39.95	--	33.46
	07/27/06	8.80	39.95	--	31.15
	01/24/07	8.75	39.95	--	31.20
	07/18/07	11.29	39.95	--	28.66
	02/15/08	6.79	39.95	--	33.16
	07/25/08	12.40	39.95	--	27.55
	01/23/09[1]	9.72	39.95	--	30.23
	07/20/09	10.81	39.95	--	29.14
	01/25/10[1]	7.67	39.95	--	32.28
	07/29/10	10.42	39.95	--	29.53
	01/31/11	9.57	39.95	--	30.38
	07/12/11	9.87	39.95	--	30.08
	01/17/12	11.05	42.85	--	31.80
	07/16/12	10.45	42.85	--	32.40
	01/14/13	8.82	42.85	--	34.03
	07/15/13	10.31	42.85	--	32.54
	01/30/14	16.70	42.85	--	26.15
	09/30/14	13.82	42.85	--	29.03
	02/24/15	7.77	42.85	--	35.08
	06/30/15	13.32	42.85	--	29.53
	08/25/15	13.87	42.85	--	28.98

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

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-4	07/22/00	20.67	36.47	--	15.80
(deep)	01/29/01	18.06	36.47	--	18.41
	07/28/01	20.80	36.47	--	15.67
	02/03/02	15.53	36.47	--	20.94
	07/23/02	20.26	36.47	--	16.21
	01/20/03	15.26	36.47	--	21.21
	07/30/03	20.23	36.47	--	16.24
	01/27/04	17.15	36.47	--	19.32
	07/22/04	21.28	36.49	--	15.21
	01/20/05	14.20	36.49	--	22.29
	07/20/05	17.64	36.49	--	18.85
	01/26/06	14.42	36.49	--	22.07
	07/27/06	18.51	36.49	--	17.98
	01/24/07	18.43	36.49	--	18.06
	07/18/07	20.59	36.49	--	15.90
	02/15/08	15.11	36.49	--	21.38
	07/25/08	21.12	36.49	--	15.37
	01/23/09[1]	19.99	36.49	--	16.50
	07/20/09	20.58	36.49	--	15.91
	01/25/10[1]	15.07	36.49	--	21.42
	07/29/10	21.25	36.49	--	15.24
	01/31/11	18.24	36.49	--	18.25
	07/12/11	19.38	36.49	--	17.11
	01/17/12	22.34	42.39	--	20.05
	07/16/12	21.53	42.39	--	20.86
	01/14/13	15.37	42.39	--	27.02
	07/15/13	22.79	42.39	--	19.60
	01/30/14	23.47	42.39	--	18.92
	09/30/14	23.25	42.39	--	19.14
	02/24/15	22.50	42.39	--	19.89
	06/30/15	22.77	42.39	--	19.62
	08/25/15	23.33	42.39	--	19.06

TABLE 1
GROUNDWATER ELEVATION SUMMARY

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

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-5 (deep)	07/22/00	21.42	36.77	--	15.35
	01/29/01	20.79	36.77	--	15.98
	07/28/01	21.07	36.77	--	15.70
	02/03/02	17.67	36.77	--	19.10
	07/23/02	20.16	36.77	--	16.61
	01/20/03	17.21	36.77	--	19.56
	07/30/03	20.32	36.77	--	16.45
	01/27/04	18.34	36.77	--	18.43
	07/22/04	20.90	39.79	--	18.89
	01/20/05	15.89	39.79	--	23.90
	07/20/05	17.97	39.79	--	21.82
	01/26/06	15.49	39.79	--	24.30
	07/27/06	18.50	39.79	--	21.29
	01/24/07	18.76	39.79	--	21.03
	07/18/07	20.12	39.79	--	19.67
	02/15/08[1]	16.35	39.79	--	23.44
	07/25/08	20.57	39.79	--	19.22
	01/23/09[1]	19.42	39.79	--	20.37
	07/20/09	20.35	39.79	--	19.44
	01/25/10[1]	16.33	39.79	--	23.46
	07/29/10	19.47	39.79	--	20.32
	01/31/11	17.70	39.79	--	22.09
	07/12/11	17.91	39.79	--	21.88
	01/17/11	21.25	42.69	sheen	21.44
	07/16/12	19.74	42.69	sheen	22.95
	01/14/13	16.74	42.69	--	25.95
	07/15/13	21.24	42.69	--	21.45
	01/30/14	22.92	42.69	--	19.77
	09/30/14	23.01	42.69	--	19.68
	02/24/15	23.51	42.69	--	19.18
	06/30/15	25.67	42.69	--	17.02
	08/25/15	26.20	42.69	--	16.49

TABLE 1
GROUNDWATER ELEVATION SUMMARY

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

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-6 (shallow)	07/22/00	11.50	36.42	--	24.92
	01/29/01	9.34	36.42	--	27.08
	07/28/01	NA	36.42	--	NA
	02/03/02	9.32	36.42	--	27.10
	07/23/02	11.33	36.42	--	25.09
	01/20/03	8.49	36.42	--	27.93
	07/30/03	11.35	36.42	--	25.07
	01/27/04	9.20	36.42	--	27.22
	07/22/04	11.13	39.44	--	28.31
	01/20/05	7.65	39.44	--	31.79
	07/20/05	10.02	39.44	--	29.42
	01/26/06	8.13	39.44	--	31.31
	07/27/06	10.59	39.44	--	28.85
	01/24/07	10.09	39.44	--	29.35
	07/18/07	11.06	39.44	--	28.38
	02/15/08	8.17	39.44	--	31.27
	07/25/08	11.30	39.44	--	28.14
	01/23/09[1]	9.82	39.44	--	29.62
	07/20/09	11.02	39.44	--	28.42
	01/25/10[1]	6.58	39.44	--	32.86
	07/29/10	10.72	39.44	--	28.72
	01/31/11	8.58	39.44	--	30.86
	07/12/11	9.32	39.44	--	30.12
	01/17/12	11.14	42.34	--	31.20
	07/16/12	10.11	42.34	--	32.23
	01/14/13	8.41	42.34	sheen	33.93
	07/15/13	9.92	42.34	--	32.42
	01/30/14	14.69	42.34	--	27.65
	09/30/14	11.37	42.34	--	30.97
	02/24/15	9.49	42.34	--	32.85
	06/30/15	11.51	42.34	--	30.83
	08/25/15	11.92	42.34	--	30.42

TABLE 1
GROUNDWATER ELEVATION SUMMARY

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

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-7	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
	06/30/15	26.67	42.72	--	16.05
	08/25/15	28.08	42.72	--	14.64

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

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-8 (shallow)	07/22/00	5.47	36.55	--	31.08
	01/29/01	3.01	36.55	--	33.54
	07/23/02	5.11	36.55	--	31.44
	01/20/03	3.57	36.55	--	32.98
	07/30/03	5.23	36.55	--	31.32
	01/27/04	4.26	36.55	--	32.29
	07/22/04	5.42	36.55	--	31.13
	01/20/05	3.39	36.55	--	33.16
	07/20/10	5.14	39.49	--	34.35
	01/26/06	3.70	39.49	--	35.79
	07/27/06	5.63	39.49	--	33.86
	01/24/07	4.87	39.49	--	34.62
	07/18/07	5.41	39.49	--	34.08
	02/15/08	3.77	39.49	--	35.72
	07/25/08	5.67	39.49	--	33.82
	01/23/09[1]	3.55	39.49	--	35.94
	07/20/09	5.71	39.49	--	33.78
	01/25/10[1]	1.15	39.49	--	38.34
	07/29/10	5.40	39.49	--	34.09
	01/31/11	3.16	39.49	--	36.33
	07/12/11	4.63	39.49	--	34.86
	01/17/12	5.26	42.42	--	37.16
	07/16/12	5.31	42.42	--	37.11
	01/14/13	4.15	42.42	--	38.27
	07/15/13	5.34	42.42	--	37.08
	01/30/14	5.20	42.42	--	37.22
	09/30/14	5.20	42.42	--	37.22
	02/24/15	3.87	42.42	--	38.55
	06/30/15	4.86	42.42	--	37.56
	08/25/15	5.25	42.42	--	37.17

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

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-9 (shallow)	07/22/00	15.78	36.70	--	20.92
	01/29/01	14.65	36.70	--	22.05
	07/28/01	15.33	36.70	--	21.37
	02/03/02	12.59	36.70	--	24.11
	07/23/02	15.27	36.70	--	21.43
	01/20/03	12.27	36.70	--	24.43
	07/30/03	14.85	36.70	--	21.85
	01/27/04	11.72	36.70	--	24.98
	07/22/04	15.17	39.71	--	24.54
	01/20/05	10.16	39.71	--	29.55
	07/20/05	12.12	39.71	--	27.59
	01/26/06	10.12	39.71	--	29.59
	07/27/06	12.52	39.71	--	27.19
	01/24/07	12.63	39.71	--	27.08
	07/18/07	13.77	39.71	--	25.94
	02/15/08	10.78	39.71	--	28.93
	07/25/08	13.93	39.71	--	25.78
	01/23/09[1]	13.08	39.71	--	26.63
	07/20/09	13.63	39.71	--	26.08
	01/25/10[1]	11.35	39.71	--	28.36
	07/29/10	12.49	39.71	--	27.22
	01/31/11	11.98	39.71	--	27.73
	07/12/11	11.98	39.71	--	27.73
	01/17/12	12.57	42.61	--	30.04
	07/16/12	12.48	42.61	--	30.13
	01/14/13	12.35	42.61	--	30.26
	07/15/13	13.35	42.61	--	29.26
	01/30/14	17.20	42.61	--	25.41
	09/30/14	18.61	42.61	--	24.00
	02/24/15	18.70	42.61	--	23.91
	06/30/15	19.20	42.61	--	23.41
	08/25/15	19.22	42.61	--	23.39

Legend/Key:

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

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

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-1	07/22/00	37,000	320,000[1,2]	2,200	2,600	1,300	5,200	--
(deep)	01/29/01	36,000	76,000[1,2]	2,100	2,300	1,200	4,500	--
	07/28/01	99,000	86 000[1,2]	1,500	2,300	1,700	6,600	--
	02/03/02	42,000	42,000[1,2]	1,200	1,300	1,100	3,900	--
	07/23/02	53,000	170,000[1,2]	1,700	2,800	1,500	5,100	--
	01/20/03	33,000	65,000[1,2]	2,100	2,500	1,300	4,400	--
	07/30/03	24,000	55,000[1]	1,300	1,500	760	2,700	--
	01/27/04	21,000	220,000[1]	1,600	1,500	1,100	3,200	--
	07/22/04	31,000	780,000[1,2]	1,500	1,700	1,200	4,100	--
	01/20/05	25000	72,000[1,2]	1,300	1400	1,000	2,800	--
	07/20/05	22,000	500,000[1,2]	1,100	1,600	830	2,600	--
	01/26/06	28000	64,000[1,2]	1,600	1,500	1,200	3,500	--
	07/27/06	25,000	NA	810	1,000	1,100	3,200	--
	01/25/07	32,000	170,000[1]	990	960	1,100	3,500	--
	07/19/07	32,000	1,100,000[1]	600	740	950	2,500	--
	02/15/08	28,000	3,500,000[1,2]	930	780	940	2,500	--
	07/25/08	28,000	NA	540	580	750	2,000	--
	01/23/09	52,000	1,000,000[1,2]	420	350	1,400	3,600	--
	07/21/09	19,000	46,000[1]	530	500	890	2,300	--
	01/25/10	23,000	140,000[1,2]	780	540	850	2,200	--
	07/29/10			Not Sampled - Free Product present				
	01/31/11			Not Sampled - Free Product present				
	07/12/11			Not Sampled - Free Product present				
	01/17/12			Not Sampled - Free Product present				
	07/16/12	16,000	73,000 / 41,000[3]	270	240	590	832	--
	01/14/13	95,000	80,000 / 61,000[3]	310	310	700	1,520	--
	07/15/13	48,000	<5,000	280	280	1,000	1,310	--
	01/30/14	62,000	320,000 / 190,00[3]	280	220	1,200	817	--
	09/30/14	24,000	14,000/ 9,300[3]	320	280	780	1,188	--
	02/24/15	17,000	260,000/ 130,000[3]	400	210	560	634	--
	06/30/15	5,900	130,000[5]/100,000[3]	40	9.1	9.1	216	--
	08/25/15	13,000	1,600,000[5]/530,000[3]	190[4]	47[4]	31[4]	222[4]	--

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

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

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

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

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

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-4 (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]	--
	06/30/15	360	<5,000[5]	4.9	0.56	1.2	<0.50	--
	08/25/15	1,100	5,700[5]/<5,000[3]	5.1	3.5	6.8	2.5	--

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

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-5	07/22/00	14,000	12,000[1,2]	290	140	770	630	--
(deep)	01/29/01	8,200	11,000[1,2]	180	42	420	250	--
	07/28/01	9,100	<5,000[1,2]	190	67	540	430	--
	02/03/02	11,000	<5,000[1]	250	160	730	540	--
	07/23/02	6,400	<5,000[1]	160	67	540	390	--
	01/20/03	7,300	<5,000[1,2]	190	80	480	310	--
	07/30/03	8,700	<5,000[1,2]	170	35	470	300	--
	01/27/04	7,600	<5,000[1]	220	50	460	290	--
	07/22/04	10,000	<5,000[1]	200	38	510	400	--
	01/20/05	8,500	<5,000[1,2]	130	63	430	280	--
	07/20/05	7,900	<5,000[1,2]	110	47	350	250	--
	01/26/06	8,000	<5,000[1]	170	53	410	270	--
	07/27/06	5,300	<5,000[1]	110	35	380	250	--
	01/25/07	1,300	<5,000[1,2]	17	6.1	34	46	--
	07/19/07	10,000	<5,000[1,2]	99	15	250	200	--
	02/15/08	9,900	<5,000[1,2]	120	26	290	200	--
	07/25/08	5,600	<5,000[1,2]	120	20	210	190	16
	01/23/09	6,600	<5,000[1,2]	68	18	220	110	--
	07/21/09	5,600	<5,000[1]	81	21	210	160	--
	01/25/10	2,800	<5,000[1,2]	32	11	100	64	--
	07/29/10	2,900	<5,000	23	6.9	130	70.6	--
	01/31/11	4,400	<5,000	25	12	170	78.1	--
	07/12/11	5,700	<5,000	30	11	190	89	--
	01/17/12	4,000	<5,000	25	5.4	150	54.1	--
	07/16/12	3,700	<5,000	28	6.4	140	52.0	--
	01/14/13	2,100	<5,000	11	8.1	90	41.3	--
	07/15/13	3,900	<5,000	27	5.1	110	31.2	--
	01/31/14	1,600	<5,000	13	1.0	6.5	2.2	--
	09/30/14	3,000	<5,000	17	<1.0[4]	26	5.4	--
	02/24/15	80	<5,000	<0.50	<0.50	<0.50	<0.50	--
	06/30/15	110	<5,000[5]	<0.50	<0.50	<0.50	<0.50	<0.50
	08/25/15	230	<5,000[5]	1.0	<0.50	<0.50	<0.50	--

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

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-6	07/22/00	2,200	<5,000[1,2]	290	9.6	80	43	--
(shallow)	01/29/01	2,500	<5,000[1,2]	220	11	150	230	--
	07/28/01	NA	<5,000[1,2]	--	--	--	--	--
	02/03/02	2,500	<5,000[1,2]	290	18	88	330	--
	07/23/02	1,100	<5,000[1,2]	160	6.5	54	35	--
	01/20/03	3,800	<5,000[1,2]	370	33	220	300	--
	07/30/03	2,000	<5,000[1,2]	250	4.8	50	24	--
	01/27/04	2,600	<5,000[1,2]	420	20	170	180	--
	07/22/04	1,200	<5,000[1,2]	110	3.2	36	17	--
	01/20/05	3,100	<5,000[1,2]	280	21	180	250	--
	07/20/05	730	<5,000[1,2]	66	4.4	25	26	--
	01/26/06	1,900	<5,000[1,2]	180	12	120	140	--
	07/27/06	670	<5,000[1,2]	120	5	17	15	--
	01/25/07	650	<5,000[1,2]	99	2.7	20	16	--
	07/19/07	4,200	<5,000[1,2]	360	18	47	55	--
	02/15/08	2,100	<5,000[1,2]	200	10	100	97	--
	07/25/08	370	<5,000[1,2]	27	3.1	2.2	2.7	<0.5
	01/23/09	330	<5,000[1,2]	69	3.6	11	8.1	--
	07/21/09	290	<5,000[1,2]	40	1.9	9.3	7.8	--
	01/25/10	740	<5,000[1,2]	80	4.9	54	62	--
	07/29/10	220	<5,000	25	0.68	7.3	4.9	--
	01/31/11	1,100	<5,000	85	5.3	75	69.4	--
	07/12/11	610	<5,000	47	2.5	34	27	--
	01/17/12	81	<5,000	13	0.62	4.6	5.8	--
	07/16/12	500	<5,000	26	0.97	14	10.48	--
	01/14/13	700	<5,000	65	3.9	64	53.0	--
	07/15/13	390	<5,000	22	1.3	18	17.1	--
	01/30/14	<50	<5,000	<0.50	<0.50	<0.50	<0.50	--
	09/30/14	140	<5,000	11	0.65	6.1	6.0	--
	02/24/15	570	<5,000	32	2.7	37	33.8	--
	06/30/15	<50	<5,000[5]	1.4	<0.50	<0.50	<0.50	--
	08/25/15	110	<5,000[5]	4.2	<0.50	<0.50	<0.50	--

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

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-7 (deep)	07/22/00	7,400	10,000[1,2]	620	180	240	180	--
	01/29/01	4,000	7,000[1,2]	410	21	22	21	--
	07/28/01	4,200	<5,000[1,2]	540	120	110	110	--
	02/03/02	6,300	<5,000[1,2]	560	110	190	140	--
	07/23/02	3,400	<5,000[1,2]	440	6.3	87	61	--
	01/20/03	4,500	<5,000[1,2]	380	32	30	36	--
	07/30/03	5,300	<5,000[1,2]	460	34	43	52	--
	01/27/04	3,000	<5,000[1,2]	350	15	13	18	--
	07/22/04	3,600	<5,000[1,2]	440	10	10	25	--
	01/20/05	3,200	19,000[1,2]	320	31	29	34	--
	07/20/05	8,400	<5,000[1,2]	550	230	300	410	--
	01/26/06	3,300	32,000[1,2]	450	31	45	37	--
	07/27/06	3,800	<5,000[1,2]	530	85	38	94	--
	01/25/07	2,500	<5,000[1,2]	320	6.9	3.3	10	--
	07/19/07	2,700	<5,000[1,2]	280	10	5.9	18	--
	02/15/08	2,900	27,000[1,2]	230	15	12	18	--
	07/25/08	3,700	<5,000[1,2]	400	25	26	87	10
	01/23/09	2,500	<5,000[1,2]	230	5.4	2.9	5.6	--
	07/21/09	3,400	<5,000[1,2]	230	75	33	140	--
	01/25/10	3,900	5,200[1,2]	260	15	5.2	24	--
	07/29/10	3,600	<5,000	190	38	13	67.6	--
	01/31/11	5,400	14,000 / <5,000[3]	210	29	13	28.7	--
	07/12/11	5,500	<5,000	150	45	7.9	51.9	--
	01/17/12	3,300	<5,000	150	8.5	2.1	12.3	--
	07/16/12	4,200	<5,000	160	41	31	31.4	--
	01/14/13	3,000	<5,000	180	25	8.2	27.6	--
	07/15/13	3,300	<5,000	150	12	2.5	33.6	--
	01/30/14	3,500	<5,000	180	3.6	<1.5[1]	4.9	--
	09/30/14	5,100	<5,000	200	50	130	216	--
	02/24/15	2,100	<5,000	47	<4.0[4]	<4.0[4]	<4.0[4]	--
	06/30/15	1,900	<5,000[5]	110	4.0	<1.0	<1.0	--
	08/25/15	1,800	<5,000[5]	50	1.7	<1.0	<1.0	--

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

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

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

TABLE 2
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Grimit Auto Repair & Automotive Service, 1970 Seminary Boulevard, Oakland, California

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

Legend/Key:

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

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

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

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

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	1,2-EDB (µg/L)
MW-4	07/25/08	12	34	<2.5	<2.5	<2.5	<2,500	<250	<2.5	<2.5
(deep)	01/23/09	<5.0	<20	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<0.5
	07/21/09	6.9	19	<2.5	<2.5	<2.5	<2,500	<250	<2.5	<2.5
	01/25/10	<5.0	<20	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<0.5
	07/29/10	3.9	21	<2.0	<2.0	<2.0	<5,000	<5,000	<2.0	<4.0
	01/31/11	3.9	<30	<3.0	<3.0	<3.0	--	--	<3.0	<6.0
	07/12/11	3.1	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/17/12	3.1	16	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/16/12	2.8	<30	<3.0	<3.0	<3.0	--	--	<3.0	<6.0
	01/14/13	3.1	<30[1]	<3.0[1]	<3.0[1]	<3.0[1]	--	--	<3.0[1]	<6.0[1]
	07/15/13	3.6	16	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/31/14	4.6	<40[1]	<4.0[1]	<4.0[1]	<4.0[1]	--	--	<4.0[1]	<8.0[1]
	09/30/14	2.6	<20	<2.0	<2.0	<2.0	--	--	<2.0	<4.0
	02/24/15	1.2	<20[1]	<2.0[1]	--	<2.0[1]	--	--	<2.0[1]	<4.0[1]
	06/30/15	2.4	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	08/25/15	1.7	<10[1]	<1.0[1]	<1.0[1]	<1.0[1]	--	--	<1.0[1]	<2.0[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
	06/30/15	<0.50	<10	<1.0	<1.0	<1.0	--	--	13	<2.0
	08/25/15	<0.50	<10	<1.0	<1.0	<1.0	--	--	7.2	<2.0
MW-6	07/25/08	<0.5	9.1	<0.5	<0.5	<0.5	<500	<50	0.75	<0.5
(shallow)	01/23/09	<0.5	8.6	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	07/21/09	<0.5	8.2	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	01/25/10	<0.5	7.4	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	07/29/10	<0.50	<10	<1.0	<1.0	<1.0	<5,000	<5,000	<1.0	<2.0
	01/31/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/12/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/17/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/16/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/14/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/15/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/30/14	<0.50	<10	<1.0	<1.0	<1.0	--	--	1.4	<2.0
	09/30/14	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	02/24/15	<0.50	<10	<1.0	--	<1.0	--	--	<1.0	<2.0
	06/30/15	<0.50	<10	<1.0	<1.0	<1.0	--	--	1.9	<2.0
	08/25/15	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0

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

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

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

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	1,2-EDB (µg/L)
MW-9	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]
	06/30/15	Unable to Sample - Well Dry								
	08/25/15	Unable to Sample - Well Dry								

Legend/Key:

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

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

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-1	07/22/00[1]	<2.5	16.0	<2.5	15	<2.5	<2.5	<5.0	<2.5	8.2
(deep)	01/29/01[1]	<10.0	23.0	<10	23	<10.0	<10.0	<10.0	<10.0	<10.0
	07/28/01[1]	7.4	9.0	0.97	14	6.4	0.95	<0.5	<0.5	15
	02/03/02[1]	5.5	10.0	1.4	23	5.5	0.59	<0.5	<0.5	7.4
	07/23/02[1]	<10.0	2.5	<10.0	15	<10.0	<10.0	<10.0	<10.0	<10.0
	01/20/03	<10.0	11	<10.0	36	<10.0	<10.0	<10.0	<10.0	11
	07/30/03	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
	01/27/04	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	07/22/04	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	01/20/05[1]	81	<5.0	<5.0	27	<5.0	<5.0	<5.0	<5.0	32
	07/20/05[1]	<5.0	9.8	<5.0	14	<5.0	<5.0	<5.0	<5.0	15
	01/26/06	<25	<25	<25	<25	<25	<25	<25	<25	<25
	07/27/06[1]	26	<10	<10	12	<10	<10	<10	<10	20
	01/25/07	<10	<10	<10	<10	<10	<10	<10	<10	<10
	07/19/07	<500	<500	<500	<500	<500	<500	<500	<500	<500
	02/15/08	<5	<5	<5	14	<5	<5	<5	<5	16
	07/25/08[1]	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000
	01/23/09	<5	<5	<5	6.4	<5	<5	<5	<5	<5
	07/21/09	<10	<10	<10	<10	<10	<10	<10	<10	<10
	01/25/10	<5	<5	<5	11	<5	<5	<5	<5	<5
	07/29/10	Not Sampled - Free Product present								
	01/31/11	Not Sampled - Free Product present								
	07/12/11	Not Sampled - Free Product present								
	01/17/12	Not Sampled - Free Product present								
	07/16/12	<20	<20	<20	<20	<20	<20	<20	<20	<20
	01/14/13	<320[2]	<80[2]	<80[2]	<80[2]	<80[2]	<80[2]	<80[2]	<80[2]	<80[2]
	07/15/13	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]
	01/30/14	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]	<40[1]
	09/30/14	<10[1]	<10[1]	<10[1]	<10[1]	<10[1]	<10[1]	<10[1]	<10[1]	<10[1]
	02/24/15	<8.0[2]	8.8	<8.0[2]	21	<8.0[2]	<8.0[2]	<8.0[2]	<8.0[2]	<8.0[2]
	06/30/15	<3.0[2]	<3.0[2]	<3.0[2]	4.7	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]
	08/25/15	<8.0[2]	<8.0[2]	<8.0[2]	16	<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
	06/30/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0
	08/25/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.3	<1.0

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

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-3	07/22/00	<0.5	<0.5	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
(shallow)	01/29/01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/28/01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	02/03/02	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/23/02	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/20/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/30/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/27/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/22/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/20/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/20/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/26/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/27/06[1]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/25/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/19/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	02/15/08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/25/08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/23/09	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/21/09	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	01/25/10[1]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/29/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/31/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/31/14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/30/14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/24/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	06/30/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/25/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-4	07/22/00	<10	38	<10	620	<10	<10	<10	19	97
(deep)	01/29/01	<5.0	35	<5.0	380	15	<5.0	<5.0	19	97
	07/28/01	<7.5	29	<5.0	310	18	<5.0	<5.0	8.4	150
	02/03/02[1]	<7.0	22	<7.0	310	16	<7.0	<7.0	20	120
	07/23/02	<0.5	30	<0.5	240	17	<0.5	<0.5	<0.5	230
	01/20/03	<10.0	28	<10.0	200	16	<10.0	<10.0	69	84
	07/30/03	<10.0	32	<10.0	230	13	<10.0	<10.0	13	290
	01/27/04[1]	<5.0	41	<5.0	370	25	<5.0	<5.0	32	310
	07/22/04[1]	<5.0	23	<5.0	120	13	<5.0	<5.0	9.6	280
	01/20/05[1]	<5.0	28	<5.0	320	23	<5.0	<5.0	81	130
	07/20/05[1]	<5.0	32	<5.0	230	18	<5.0	<5.0	<5.0	170
	01/26/06[1]	<5.0	31	<5.0	320	22	<5.0	<5.0	39	330
	07/27/06[1]	<5.0	24	<5.0	180	24	<5.0	<5.0	19	390
	01/25/07	<5.0	25	<5.0	170	15	<5.0	<5.0	<10	380
	07/19/07[1]	<5.0	28	<5.0	180	27	<5.0	<5.0	21	460
	02/15/08[1]	<5.0	31	<5.0	200	25	<5.0	<5.0	22	130
	07/25/08[1]	5.5	18	<2.5	110	17	<2.5	<2.5	21	87
	01/23/09[1]	<5.0	27	<5.0	150	23	<5.0	<5.0	<5.0	190
	07/21/09[1]	<2.5	22	<2.5	84	14	<2.5	<2.5	15	150
	01/25/10[1]	<5.0	25	<5.0	210	28	<5.0	<5.0	<5.0	240
	07/29/10	<2.0	23	<2.0	51	17	<2.0	<2.0	<2.0	190
	01/31/11	<3.0	22	<3.0	93	18	<3.0	<3.0	<3.0	160
	07/12/11	<1.0	18	<1.0	52	17	<1.0	<1.0	<1.0	100
	01/17/12	<1.0	20	<1.0	54	16	<1.0	<1.0	2.5	130
	07/16/12	<3.0[2]	17	<3.0[2]	30	17	<3.0[2]	<3.0[2]	<3.0[2]	250
	01/14/13	<3.0[2]	26	<3.0[2]	280	23	<3.0[2]	<3.0[2]	6.2	130
	07/15/13	<1.0	<1.0	<1.0	99	23	<1.0	<1.0	1.8	110
	01/31/14	<4.0[2]	21	<4.0[2]	360	24	<4.0[2]	<4.0[2]	28	110
	09/30/14	<2.0	18	<2.0	72	15	<2.0	<2.0	<2.0	110
	02/24/15	<2.0[2]	9.1	<2.0[2]	110	9.4	<2.0[2]	<2.0[2]	8.7	18
	06/30/15	<1.0	6.0	<1.0	85	4.2	<1.0	<1.0	3.3	<1.0
	08/25/15	<1.0[2]	<1.0[2]	<1.0[2]	69	5.1	<1.0[2]	<1.0[2]	2.3	8.3

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

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-5	07/22/00	1.8	2.4	1.4	2.6	<1.0	<1.0	<1.0	<1.0	5.0
(deep)	01/29/01	<1.0	2.2	2.6	2.2	<1.0	<1.0	<1.0	<1.0	2.2
	07/28/01	1.4	1.3	1.7	1.4	<1.0	<1.0	<1.0	<1.0	2.6
	02/3/02[1]	1.8	2.0	2.1	3.9	0.95	<0.5	<0.5	<0.5	4.6
	07/23/02	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	01/20/03	<1.0	1.4	1.4	1.6	<1.0	<1.0	<1.0	<1.0	1.3
	07/30/03	<1.0	1.2	1.1	1.0	<1.0	<1.0	<1.0	<1.0	2.0
	01/27/04[1]	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07/22/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	01/20/05	1.1	0.84	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07/20/05	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/26/06	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	07/27/06	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	01/25/07	<0.5	<0.5	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	07/19/07	<0.5	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	02/15/08	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5
	07/25/08	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	01/23/09	<1.0	<1.0	2.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/21/09	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	01/25/10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5
	07/29/10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	01/31/11	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	07/12/11	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	01/17/12	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	07/16/12	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	01/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/15/13	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]
	01/31/14	<1.0	<1.0	6.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/30/14	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	3.9	<2.0[2]	<2.0[2]	<2.0[2]
	02/24/15	<1.0	<1.0	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	06/30/15	<1.0	<1.0	13	2.9	<1.0	<1.0	<1.0	2.6	<1.0
	08/25/15	<1.0	<1.0	7.2	2.7	<1.0	<1.0	<1.0	2.1	<1.0
MW-6	07/22/00	<0.5	<0.5	1.2	9.3	<0.5	<0.5	<0.5	<0.5	0.97
(shallow)	01/29/01	<0.5	<0.5	1.1	11	<0.5	<0.5	<0.5	<0.5	0.77
	07/28/01	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/03/02	<0.5	<0.5	1.5	13	<0.5	<0.5	<0.5	<0.5	<0.5
	07/23/02	<1.0	<1.0	<1.0	9.3	<1.0	<1.0	<1.0	<1.0	<1.0
	01/20/03	<1.0	<1.0	1.8	14	<1.0	<1.0	<1.0	<1.0	<1.0
	07/30/03	<1.0	<0.5	1.3	7.6	<0.5	<0.5	<0.5	<0.5	2.7
	01/27/04[1]	<2.5	<2.5	<2.5	8.4	<2.5	<2.5	<2.5	<2.5	3.2
	07/22/04	<0.5	<0.5	1.3	3.3	<0.5	<0.5	<0.5	<0.5	<0.5
	01/20/05	<0.5	<0.5	0.99	8.7	<0.5	<0.5	<0.5	<0.5	<0.5
	07/20/05	<0.5	<0.5	0.79	4.5	<0.5	<0.5	<0.5	<0.5	0.65
	01/26/06	<0.5	<0.5	0.81	6.2	<0.5	<0.5	<0.5	<0.5	1.90
	07/27/06	<0.5	<0.5	0.82	4.4	<0.5	<0.5	<0.5	<0.5	1.10
	01/25/07	<0.5	<0.5	<0.5	2.4	<0.5	<0.5	<0.5	<0.5	1.30
	07/19/07	<0.5	<0.5	0.73	2.2	<0.5	<0.5	<0.5	<0.5	1.30
	02/15/08	<0.5	<0.5	<0.5	4.9	<0.5	<0.5	<0.5	<0.5	0.79
	07/25/08	<0.5	<0.5	0.75	0.81	<0.5	<0.5	<0.5	<0.5	<0.5
	01/23/09	<0.5	<0.5	<0.5	0.53	<0.5	<0.5	<0.5	<0.5	<0.5
	07/21/09	<0.5	<0.5	<0.5	0.66	<0.5	<0.5	<0.5	<0.5	<0.5
	01/25/10	<0.5	<0.5	<0.5	0.94	<0.5	<0.5	<0.5	<0.5	<0.5
	08/02/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/31/11	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0
	07/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/30/14	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/30/14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/24/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	06/30/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/25/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

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

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-7	07/22/00[1]	<5	18	<5	170	<5	<5	<5	8	<5
(deep)	01/29/01[1]	<5	18	<5	170	<5	<5	<5	8	<5
	07/28/01[1]	<5	11	<5	170	<5	<5	<5	6.9	6.1
	02/03/02	<5.0	<5.0	<5.0	94	<5.0	<5.0	<5.0	30	<5.0
	07/23/02	<10.0	12.0	<10.0	180	<10.0	<10.0	<10.0	<10.0	<10.0
	01/20/03	<2.5	<2.5	<2.5	50	<2.5	<2.5	11	<2.5	<2.5
	07/30/03	<2.5	<2.5	<2.5	130	<2.5	<2.5	<2.5	<2.5	9.5
	01/27/04	<5.0	<5.0	<5.0	130	<5.0	<5.0	<5.0	20	24
	07/22/04	<5.0	<5.0	<5.0	120	<5.0	<5.0	<5.0	<5.0	<5.0
	01/20/05	<2.5	2.7	<2.5	110	<2.5	<2.5	<2.5	20	28
	07/20/05	<5.0	<5.0	<5.0	250	<5.0	<5.0	<5.0	<5.0	29
	01/26/06	<5.0	<5.0	<5.0	110	<5.0	<5.0	<5.0	19	37
	07/27/06	<5.0	<5.0	<5.0	350	<5.0	<5.0	<5.0	<5.0	55
	01/25/07	<0.5	<0.5	<0.5	29	<0.5	<0.5	<0.5	<0.5	5.9
	07/19/07[1]	<0.5	<0.5	<0.5	210	<0.5	<0.5	<0.5	<0.5	31
	02/15/08[1]	<0.5	5.5	<0.5	220	<0.5	<0.5	<0.5	28	20
	07/25/08	<5.0	<5.0	<5.0	99	<5.0	<5.0	<5.0	<5.0	<5.0
	01/23/09	<5.0	<5.0	<5.0	190	<5.0	<5.0	<5.0	<5.0	26
	07/21/09	<2.5	<2.5	<2.5	82	<2.5	<2.5	<2.5	<2.5	<2.5
	01/25/10	<5.0	<5.0	<5.0	98	<5.0	<5.0	<5.0	<5.0	19
	07/29/10	<10	<10	<10	810	<10	<10	<10	<10	70
	01/31/11	<3.0	<3.0	<3.0	100	<3.0	<3.0	<3.0	5.1	24
	07/12/11	<4.0	<4.0	<4.0	190	<4.0	<4.0	<4.0	<4.0	43
	01/17/12	<2.0[2]	<2.0[2]	<2.0[2]	65	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	30
	07/16/12	<2.0[2]	<2.0[2]	<2.0[2]	180	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	52
	01/14/13	<2.0[2]	5.8	<2.0[2]	280	2.8	<2.0[2]	<2.0[2]	3.5	80
	07/15/13	<4.0[2]	<4.0[2]	<4.0[2]	67	<4.0[2]	<4.0[2]	<4.0[2]	<4.0[2]	56
	01/30/14	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]	64
	09/30/14	<2.0[2]	<2.0[2]	<2.0[2]	13	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	84
	02/24/15	<8.0[2]	<8.0[2]	<8.0[2]	530	11	<8.0[2]	<8.0[2]	<8.0[2]	210
	06/30/15	<2.0[2]	<2.0[2]	<2.0[2]	16	<2.0[2]	<2.0[2]	<2.0[2]	3.9	16
	08/25/15	<2.0[2]	<2.0[2]	<2.0[2]	9.8	<2.0[2]	<2.0[2]	<2.0[2]	2.8	14
MW-8	07/22/00	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	2.4	1.6	<0.5
(shallow)	01/29/01	<0.5	<0.5	<0.5	10	<0.5	<0.5	<5.0	8.8	<0.5
	07/28/01	<0.5	<0.5	<0.5	2.6	<0.5	<0.5	<1.5	2.1	<0.5
	02/03/02	<0.5	<0.5	<0.5	6.6	<0.5	<0.5	3.3	4.6	<0.5
	07/23/02	<0.5	<0.5	<0.5	8.4	<0.5	<0.5	3.5	5.2	<0.5
	01/20/03	<0.5	<0.5	<0.5	7.3	<0.5	<0.5	6	6.7	<0.5
	07/30/03	<0.5	<0.5	<0.5	25	<0.5	<0.5	15	20	<0.5
	01/27/04	<0.5	<0.5	<0.5	4	<0.5	<0.5	3.1	3.1	<0.5
	07/22/04	<0.5	<0.5	<0.5	20	<0.5	<0.5	8.3	13	<0.5
	01/20/05	<0.5	<0.5	<0.5	6.5	<0.5	<0.5	5.2	5.1	<0.5
	07/20/05	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	1.4	1.2	<0.5
	01/26/06	<0.5	<0.5	<0.5	7.3	<0.5	<0.5	6.6	6.2	<0.5
	07/27/06	<0.5	<0.5	<0.5	10	<0.5	<0.5	6.8	7.3	<0.5
	01/25/07	<0.5	<0.5	<0.5	11	<0.5	<0.5	6.3	6.9	<0.5
	07/19/07	<0.5	<0.5	<0.5	0.52	<0.5	<0.5	0.94	0.73	<0.5
	02/15/08	<0.5	<0.5	<0.5	7.5	<0.5	<0.5	5.6	5.4	<0.5
	07/25/08	<0.5	<0.5	<0.5	0.58	<0.5	<0.5	<0.5	0.50	<0.5
	01/23/09	<0.5	<0.5	<0.5	4.9	<0.5	<0.5	2.7	3.3	<0.5
	07/21/09	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	1.8	2.3	<0.5
	01/25/10	<0.5	<0.5	<0.5	1.6	<0.5	<0.5	1.2	1.2	<0.5
	07/29/10	<1.0	<1.0	<1.0	7.3	<1.0	<1.0	5.1	5.3	1.1
	01/31/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/12/11	<1.0	<1.0	<1.0	31	<1.0	<1.0	12	15	2.4
	01/17/12	<1.0	<1.0	<1.0	21	<1.0	<1.0	12	13	<1.0
	07/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/14/13	<1.0	<1.0	<1.0	4.3	<1.0	<1.0	2.7	3.0	<1.0
	07/15/13	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	1.7	1.3	<1.0
	01/30/14	<1.0	<1.0	<1.0	3.1	<1.0	<1.0	2.4	2.4	<1.0
	09/30/14	<1.0	<1.0	<1.0	3.1	<1.0	<1.0	3.3	3.2	2.1
	02/24/15	<1.0	<1.0	<1.0	7.9	<1.0	<1.0	4.1	3.8	1.2
	06/30/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/25/15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

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

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

Legend/Key:

CA= Chloroethane

1,2-DCB= 1,2-Dichlorobenzene

1,2-DCA= 1,2-dichloroethane

cis-1,2-DCE= cis-1,2-dichloroethene

trans-1,2-DCE= -1,2-dichloroethene

1,2-DCP =1,2-dichloropropane

PCE= Tetrachloroethene (perchloroethene)

TCE= trichloroethene

VC= vinyl chloride

ND= "not-detected" or below the Method Detection Limits

NA= Not Available

-- = Not analyzed

ft msl = feet above mean sea level

µg/L = micrograms per liter

[1] = Additional detections of VOCs noted, refer to GRIMIT/SEMINARY1-10GWSMPLREPORT, dated February 3, 2010.

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

Note: The table presents the analytical results of select chemical parameters based on historical presence at the site.

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

Date & Time	Notes	Hour Meter Reading	Applied Vac	Area	Sys Inf Temp	Sys Inf Air Velocity	Sys Inf Air Flowrate	Control Temp	Effluent Air Temp	Area	Dilution Air Temp	Dilution Air Velocity	Dilution Air Flowrate	PID	
														Sys Inf	Eff
			"Hg	ft^2	°F	fpm	acfm	°F	°F	ft^2	°F	fpm	acfm	ppmv	ppmv
11/18/14 8:30	1	15,631.0	--	0.0873	--	--	--	--	--	--	--	--	--	--	--
11/20/14 8:00		15,631.9	15.0	0.0873	78	1,500	130.9	1,450	1,002	0.0218	65	2,504	55	30	3.6
11/20/14 10:00		15,632.1	10.5	0.0873	95	1,500	130.9	1,543	1,253	0.0218	72	2,222	48	410	2.9
11/20/14 11:00		15,632.1	10.0	0.0873	80	1,500	130.9	1,554	1,285	0.0218	60	2,260	49	35	2.3
11/20/14 12:00		15,632.1	10.0	0.0873	80	1,500	130.9	1,559	1,311	0.0218	67	2,186	48	40	2.1
11/21/14 7:00		15,632.1	10.0	0.0873	90	1,500	130.9	1,537	1,368	0.0218	65	2,140	47	20	2.0
11/25/14 10:10	2	15,632.0	10.0	0.0873	90	1,500	130.9	1,450	1,224	0.0218	--	--	--	58	2.1
12/18/14 7:30	3	0.0	13.5	0.0873	92	1,500	130.9	1,484	--	0.0218	64	2,503	55	8	1.2
12/19/14 7:00		20.0	13.0	0.0873	90	1,500	130.9	1,492	1,305	0.0218	61	2,910	63	100	1.2
12/29/14 7:15		260.0	7.5	0.0873	82	1,500	130.9	1,500	1,430	0.0218	--	--	--	10	1.3
1/5/15 8:50		430.0	8.0	0.0873	100	1,500	130.9	1,451	1,259	0.0218	57	3,020	66	10	2.1
1/19/15 8:00		765.0	10.0	0.0873	90	1,400	122.2	1,491	1,303	0.0218	63	3,122	68	5	1.1
2/2/15 8:00		1,101.0	11.0	0.0873	95	1,500	130.9	1,452	1,268	0.0218	60	3,233	71	1.4	0.8
2/16/15 7:15		1,436.0	11.0	0.0873	90	1,350	117.8	1,485	1,308	0.0218	58	3,314	72	2.0	0.8
3/10/15 8:30		1,965.0	11.0	0.0873	90	1,250	109.1	1,493	1,311	0.0218	63	2,971	65	15	2.1
3/23/15 7:50	4	2,276.0	12.0	0.0873	92	1,250	109.1	1,504	--	0.0218	64	3,418	75	47	1.0
4/2/15 5:45		2,514.0	12.0	0.0873	90	1,250	109.1	1,489	1,307	0.0218	57	3,463	76	100	0.9
4/22/15 6:56		2,995.0	12.0	0.0873	93	1,500	130.9	1,493	--	0.0218	56	3,370	74	25	0.5
5/5/15 8:30		3,309.0	12.0	0.0873	100	1,350	117.8	1,481	1,160	0.0218	63	2,867	63	12	1.8
5/20/15 8:15		3,669.0	12.0	0.0873	100	1,150	100.4	1,560	1,380	0.0218	67	3,011	66	33	0.9
6/2/15 6:10		3,979.0	12.0	0.0873	92	1,200	104.7	1,599	1,321	0.0218	68	3,064	67	40	0.9
6/22/15 8:00		4,460.0	12.0	0.0873	88	1,100	96.0	1,474	840	0.0218	65	3,457	75	30	0.9
7/1/15 7:30	5	4,653.0	--	--	--	--	--	--	--	--	--	--	--	--	--
7/15/15 6:30	6	4,654.0	12.0	0.0873	103	1,500	130.9	1,500	1,172	0.0218	76	2,796	61	45	1.6

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
8/3/15 7:25	7	4,889.0	--	--	--	--	--	--	--	--	--	--	--	--	--
8/10/15 7:00	8	4,890.0	12.0	0.0873	96	1,200	104.7	1,526	1,266	0.0218	69	2,620	57	150	1.5
8/25/15 7:00		5,248.0	11.0	0.0873	100	1,500	130.9	1,582	1,100	0.0218	71	2,133	47	31	0.9
9/1/15 6:20		5,416.0	11.0	0.0873	110	1,500	130.9	1,520	--	0.0218	66	3,195	70	27	2.1
9/22/15 5:50		5,919.0	10.0	0.0873	92	1,500	130.9	1,543	1,347	0.0218	71	3,517	77	16	1.3
Average			11		92	1,404	122.5	1,508	1,251		65	2,887	63	50	1.5

Legend / Key:

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

Sample Calculation:

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

Notes:

Influent pipe diameter = 3.0 inches

1 System operating with DPE, extracting from extraction wells EX-1, EX-2, EX-3, and EX-6. Stingers placed within extraction wells at 29-feet in well EX-1 and 27-feet bgs in wells EX-2, EX-3, and EX-6.
2 System down upon departure, waiting for 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.
5 System down upon arrival, lack of propane and filter blocked on liquid ring pump. System remained down upon departure.
6 System down upon arrival, system re-started and sampling event completed upon departure.
7 System down upon arrival, system requires a new motor starter, system remained down upon departure.
8 System down upon arrival, repaired motor, system re-started for continuous operation.

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-4		MW-8	
		"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	0.04	19.29	22.80	3.35
1/19/15 8:00		--	--	20.84	1.88	--	--
2/2/15 8:00		--	--	6.60	21.51	--	--
2/16/15 7:15		--	--	15.40	20.34	--	--
3/10/15 8:30		0.40	12.94	32.60	21.55	5.28	4.50
3/23/15 7:50	2	6.75	15.39	47.14	21.69	1.41	4.68
4/2/15 5:45		--	--	47.2	21.63	--	--
4/22/15 6:56		--	--	34.1	21.43	--	--
5/5/15 8:30		3.70*	13.55	54.30	20.85	8.27	4.18
5/20/15 8:15		--	--	41.60	22.31	--	--
6/2/15 6:10		--	--	51.10	22.21	--	--
6/22/15 8:00		--	--	53.50	21.64	--	--
7/1/15 7:30		--	--	--	--	--	--
7/15/15 6:30		0.00	13.92	9.88	21.29	0.38	4.97
8/3/15 7:25		--	--	--	--	--	--
8/10/15 7:00		--	--	8.40	21.87	--	--
8/25/15 7:00		5.60	14.41	29.40	23.33	0.00	5.25
9/1/15 6:20		--	--	--	--	--	--
9/22/15 5:50		--	--	27.50	23.21	--	--
Average		5.87	14.41	29.98	20.38	5.45	3.99

TABLE 6
DPE REMEDIATION EVENT

VACUUM ("WC) AND DEPTH TO WATER (feet bgs) SUMMARY

Grimit Auto, 1970 Seminary Ave, Oakland, California

Legend / Key:

DTW = Depth to water bgs = below ground surface

"WC = Inches of water column -- = not applicable/ not measured

* Positive pressure

Notes:

1 Stinger depth in EX-1 19 feet bgs, EX-2 18 feet bgs, EX-3 24 feet bgs, EX-6 20 feet bgs.

2 MW-1 brought on-line; stinger placed approx. 34 feet bgs.

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

Date	Notes	Sample Time	Flowrate * (acfm)	Flowrate * (scfm)	Influent Temp. (°F)	Vacuum "Hg	Sample Location	Lab Sample Number	Analyses (mg/m^3) GRO	Benzene	Toluene	Ethyl benzene	Total Xylenes	MTBE	PCE	TCE	n-Propyl benzene	1,2,4-Trimethyl benzene
11/20/14	1	11:30	130.9	128.0	80	10	ASYS INF	89712-01	**150**	<0.20	<0.20	**0.85**	**2.07**	<0.20	<0.20	<0.20	**0.46**	**1.9**
							A EFF	89712-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
12/19/14		10:04	130.9	125.7	90	13	ASYS INF	89947-01	**33**	**0.41**	**0.43**	**0.94**	**1.96**	<0.20	<0.20	<0.20	<0.20	<0.20
		10:35					A EFF	89947-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
01/05/15		9:07	130.9	123.4	100	8	ASYS INF	90046-01	<20	<0.20	<0.20	<0.25	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20
		9:05					A EFF	90046-02	<20	<0.20	<0.20	<0.25	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20
02/02/15		8:15	130.9	124.5	95	11	ASYS INF	90255-01	<20	<0.20	<0.20	<0.25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
		8:10					A EFF	90255-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
03/10/15		9:08	109.1	104.7	90	11	ASYS INF	90501-01	**45**	<0.20	<0.20	<0.25	**0.27**	<0.20	<0.20	<0.20	<0.20	<0.20
		9:05					A EFF	90501-02	<20	<0.20	<0.20	<0.25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
04/02/15	2	6:05	109.1	104.7	90	12	ASYS INF	15-04-0248-1-A	**730**	**0.26**	**0.34**	**0.56**	**1.3**	<0.036	<0.017	<0.013	**0.089**	**0.16**
		6:00					A EFF	15-04-0248-2-A	<7.0	**0.0017**	<0.019	<0.0022	<0.0022	<0.0072	<0.0034	<0.0027	<0.0025	<0.0074
05/05/15		8:58	117.8	111.1	100	12	ASYS INF	STR15050648-01A	**48**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.40
		8:55					A EFF	STR15050644-01A	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.40
06/02/15		6:40	104.7	100.2	92	12	ASYS INF	STR15060303-01A	**160**	<0.20	**0.25**	**0.36**	**0.93**	<0.20	<0.40	<0.40	<0.40	<0.40
		6:43					A EFF	STR15060342-01A	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.40
07/15/15		9:25	130.9	122.8	103	12	ASYS INF	STR15071641-01A	**46**	<0.20	<0.20	**0.24**	**1.52**	<0.20	<0.40	<0.40	<0.40	**0.44**
		9:30					A EFF	STR15071641-02A	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.40
08/10/15		10:15	104.7	99.4	96	12	ASYS INF	STR15081141-01A	**32**	<0.20	<0.20	**0.26**	**0.83**	<0.20	<0.40	<0.40	<0.40	<0.40
		8:00					A EFF	STR15081140-01A	<15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.30	<0.30	<0.30	<0.30
09/01/15		6:51	130.9	121.3	110	11	ASYS INF	STR15090250-03A	**65**	<0.20	<0.20	<0.20	**0.33**	<0.20	<0.40	<0.40	<0.40	<0.40
		6:48					A EFF	STR15090241-02A	<15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.30	<0.30	<0.30	<0.30

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

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

Legend / Key:

acfm = actual cubic feet per minute
scfm = standard cubic feet per minute
Temp. (°F) = temperature in degrees Fahrenheit
"Hg = inches mercury
GRO = gasoline range organics (C4-C13)
BTEX = benzene, toluene, ethylbenzene, and xylenes
MTBE = methyl tertiary butyl ether
PCE = tetrachloroethene
TCE = trichloroethene
SysInf = system influent
Eff = effluent
mg/m^3 = milligrams per cubic meter

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

Laboratory Analytical Methods and Facility:

GRO analyzed using EPA Method SW8015B/SW8260B
BTEX, MTBE and VOCs analyzed using EPA Method SW8260B
Pace Analytical(Formerly Kiff Analytical; ELAP # 08263CA)
Alpha Analytical, Inc. (ELAP # 2019)
erurofins/calscience (ELAP# 2944)

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.

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

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

Date	Notes	Influent Sample Time	Hour Meter Reading	Sys. Influent Flowrate (scfm)	Effluent Flowrate[2] (scfm)	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)	
						GRO	Benzene	MTBE	GRO	Benzene	MTBE	GRO	Benzene	MTBE	GRO	Benzene	MTBE	GRO	Period	Total
11/20/14	1	11:30	15,632.1	128.0	208.0	150	<0.20	<0.20	<20	<0.20	<0.20	1.73	<0.002	<0.002	<0.37	<0.004	<0.004	78.3	0.1	0.1
12/18/14	2	10:40	0.0	125.7	205.7	33	0.41	<0.20	<20	<0.20	<0.20	0.37	0.005	<0.002	<0.37	<0.004	<0.004	--	--	0.1
1/5/15		9:07	430.0	123.4	203.4	<20	<0.20	<0.20	<20	<0.20	<0.20	<0.29	<0.003	<0.002	<0.37	<0.004	<0.004	--	5.3	5.3
2/2/15		8:15	1,101.0	124.5	204.5	<20	<0.20	<0.20	<20	<0.20	<0.20	<0.22	<0.002	<0.002	<0.37	<0.004	<0.004	--	6.3	11.6
3/10/15		9:08	1,965.0	104.7	184.7	45	<0.20	<0.20	<20	<0.20	<0.20	0.31	<0.002	<0.002	<0.33	<0.003	<0.003	--	11.0	22.6
4/2/15		6:20	2,514.0	104.7	184.7	730	0.26	<0.036	<7	0.0017	<0.0072	3.65	<0.002	<0.001	<0.12	<0.000	<0.000	96.8	83.4	106.1
5/5/15		8:58	3,309.0	111.1	191.1	48	<0.20	<0.20	<20	<0.20	<0.20	3.88	<0.002	<0.001	<0.34	<0.003	<0.003	91.2	128.7	234.7
6/2/15		6:40	3,979.0	100.2	180.2	160	<0.20	<0.20	<20	<0.20	<0.20	0.94	<0.002	<0.002	<0.32	<0.003	<0.003	--	26.1	260.9
7/15/15		9:25	4,654.0	122.8	202.8	46	<0.20	<0.20	<20	<0.20	<0.20	1.14	<0.002	<0.002	<0.36	<0.004	<0.004	--	32.0	292.8
8/10/15		10:15	4,890.0	99.4	179.4	32	<0.20	<0.20	<15	<0.15	<0.15	0.35	<0.002	<0.002	<0.24	<0.002	<0.002	--	3.4	296.3
9/1/15		6:51	5,416.0	121.3	201.3	65	<0.20	<0.20	<15	<0.15	<0.15	0.53	<0.002	<0.002	<0.27	<0.003	<0.003	--	11.6	307.9

Legend / Key:

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

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

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

Sample Calculations:

Extraction Rate from Wells (lbs/day) = Sys Inf Flowrate (ft^3/min) x Avg. Inf Conc (mg/m^3) x (1 lb/453,593mg) x (1,440 min/day) x (1 m^3/35.314ft^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	--
04/02/15		6:20	WINF	STR15040343-01A	**92**	**0.61**	**0.92**	**1.2**	**10.2**	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		6:15	WGAC1	STR15040343-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		6:10	WEFF	STR15040341-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
05/05/15		9:20	WINF	STR15050652-01A	<50	<0.50	<0.50	<0.50	**1.1**	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		9:15	WGAC1	STR15050652-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		9:10	WEFF	STR15050643-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
06/02/15		6:35	WINF	STR15060303-02A	<50	<0.50	<0.50	<0.50	**2.6**	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		6:30	WGAC1	STR15060303-03A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		6:25	WEFF	STR15060342-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0

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

Date	Notes	Sample Time	Sample Location	Laboratory Sample ID	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Napthalene	PCE	TCE	Vinyl chloride	1,2 DCA	Chloro benzene
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
07/15/15		9:17	WINF	STR15071641-03A	**200,000**	<50	<50	**210**	**2,620**	<0.50	**450**	<100	<100	<100	<100	<100
		8:45	WGAC1	STR15071641-04A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		8:40	WEFF	STR15071641-05A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
08/10/15		10:05	WINF	STR15081141-02A	**7,600**	<5.0	<5.0	**13**	**91**	<5.0	<40	<10	<10	<10	<10	<10
		7:40	WGAC1	STR15081141-03A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		7:35	WEFF	STR15081140-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
09/01/15		6:36	WINF	STR15090250-01A	<50	<0.50	<0.50	<0.50	**1.81**	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		6:33	WGAC1	STR15090250-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		6:31	WEFF	STR15090241-01A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<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	0.0024
2/2/15		8:35	1,101.0	221,340	2,160	6,650	0.05	<50	0.0009	0.0033
3/10/15		9:22	1,965.0	226,420	5,080	11,730	0.10	<50	0.0021	0.0054
4/2/15	3	6:20	2,514.0	228,870	2,450	14,180	0.07	92	0.0019	0.0073
5/5/15		9:20	3,309.0	232,510	3,640	17,820	0.08	<50	0.0015	0.0088
6/2/15		6:35	3,979.0	235,120	2,610	20,430	0.06	<50	0.0011	0.0099
7/15/15		9:17	4,654.0	237,260	2,140	22,570	0.05	200,000	1.79	1.7962
8/10/15		10:05	4,890.0	238,200	940	23,510	0.07	7,600	0.81	2.6105
9/1/15		6:36	5,416.0	239,230	1,030	24,540	0.03	<50	0.03	2.6434

Legend / Key:

GRO = Gasoline Range Organics C4-C13
DRO = Diesel Range Organics C13-C22
MTBE = Methyl tertiary butyl ether
TBA = Tertiary Butyl Alcohol
µg/L = micrograms per litre
gpm = gallons per minute
lbs = pounds
-- = data not collected/not calculated

[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)

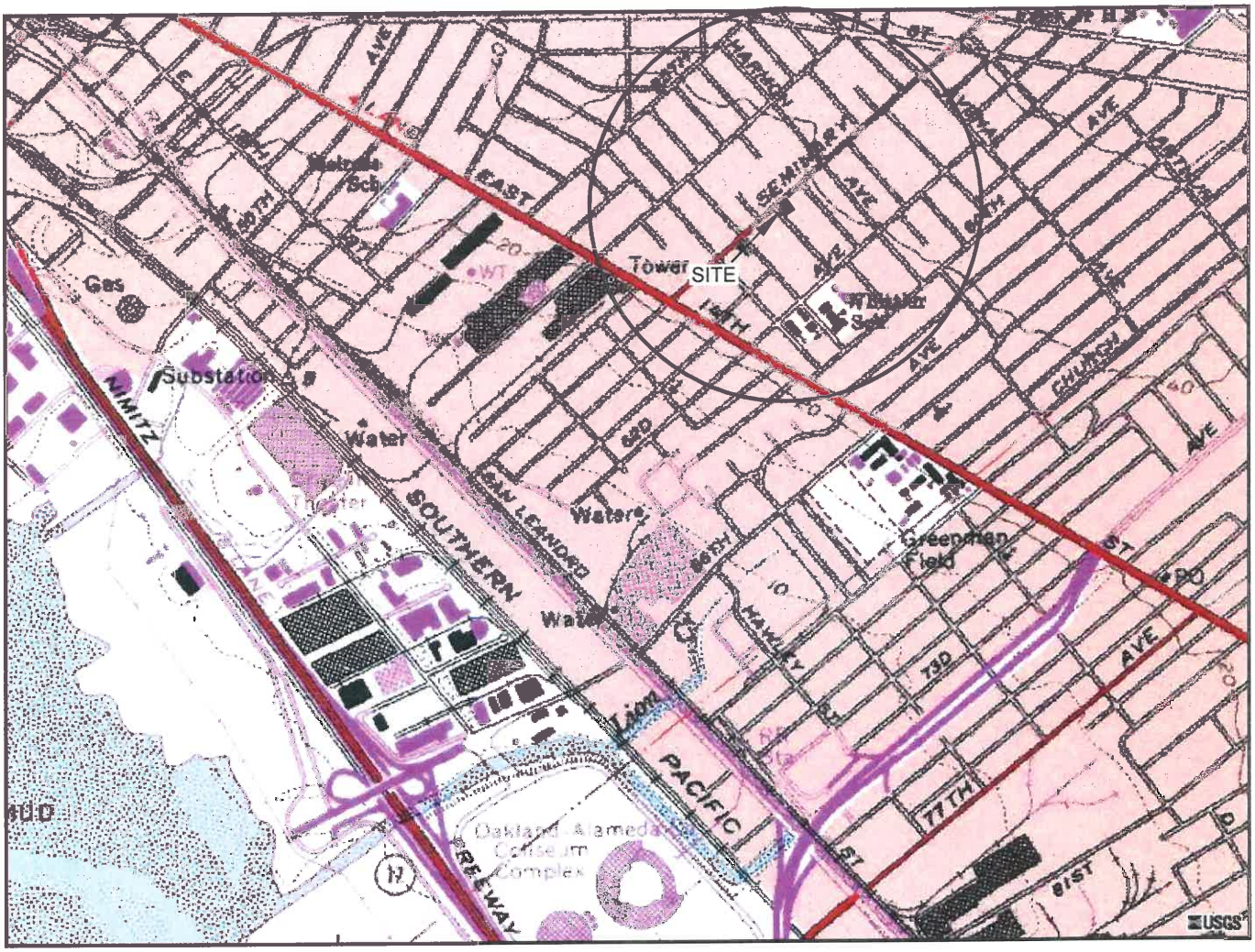
[1] Hour meter readings were not taken at exact sampling times, therefore, times noted are readings obtained closest to the actual sampling times.

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.

3 On March 23, 2015 system modified extracting from wells EX-1 through EX-3, EX-6 and MW-1.



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

N

QUADRANGLE LOCATION

0 1800 FT

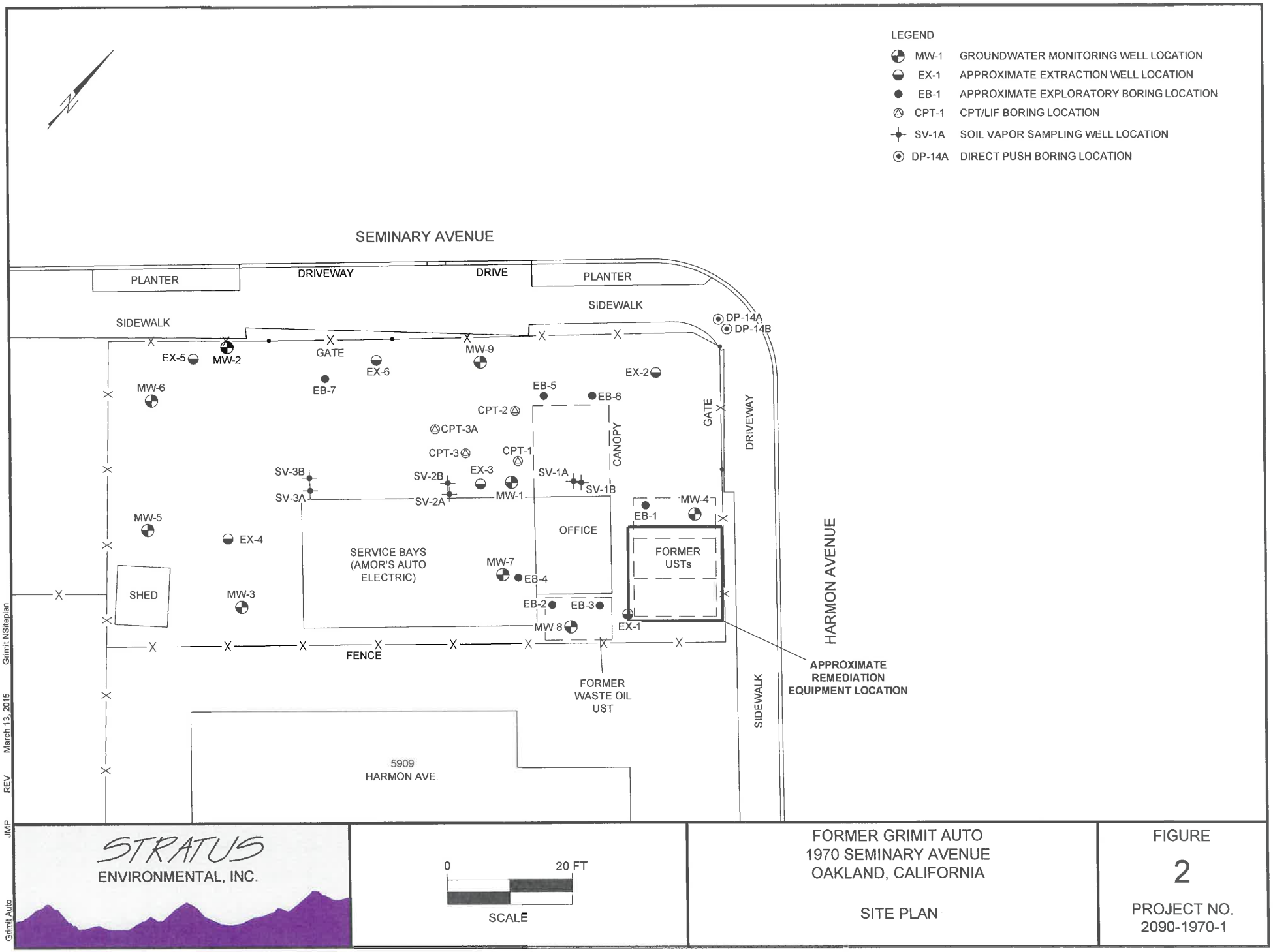
APPROXIMATE SCALE

STRATUS
ENVIRONMENTAL, INC.

FORMER GRIMIT AUTO
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE
1
PROJECT NO.
2090-1970-01



Grimit NSiteplan March 13, 2015 REV JMP Grimit Auto

STRATUS ENVIRONMENTAL, INC.

0 20 FT

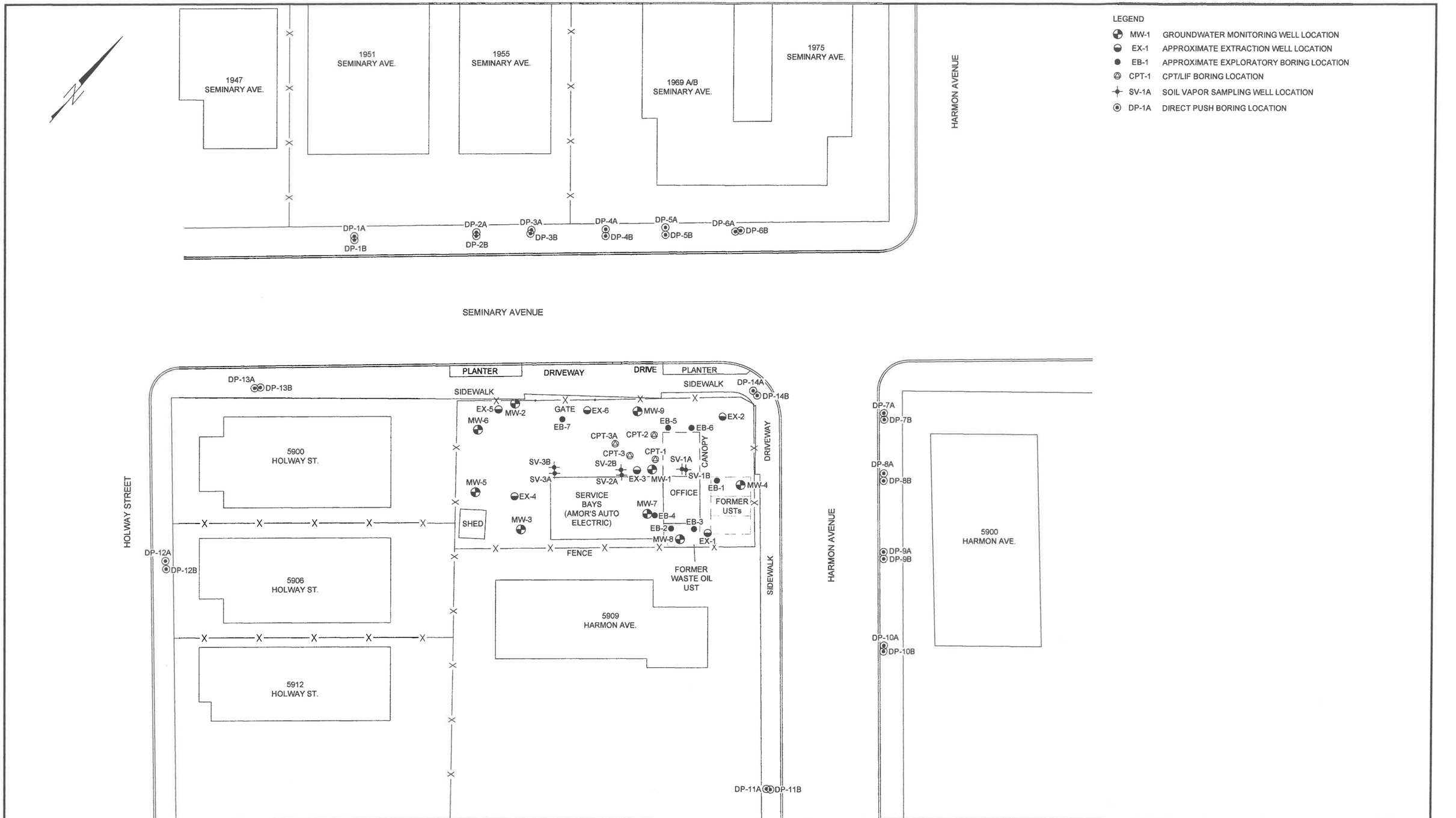
SCALE

FORMER GRIMIT AUTO
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA

SITE PLAN

FIGURE
2

PROJECT NO.
2090-1970-1



STRATUS ENVIRONMENTAL, INC.

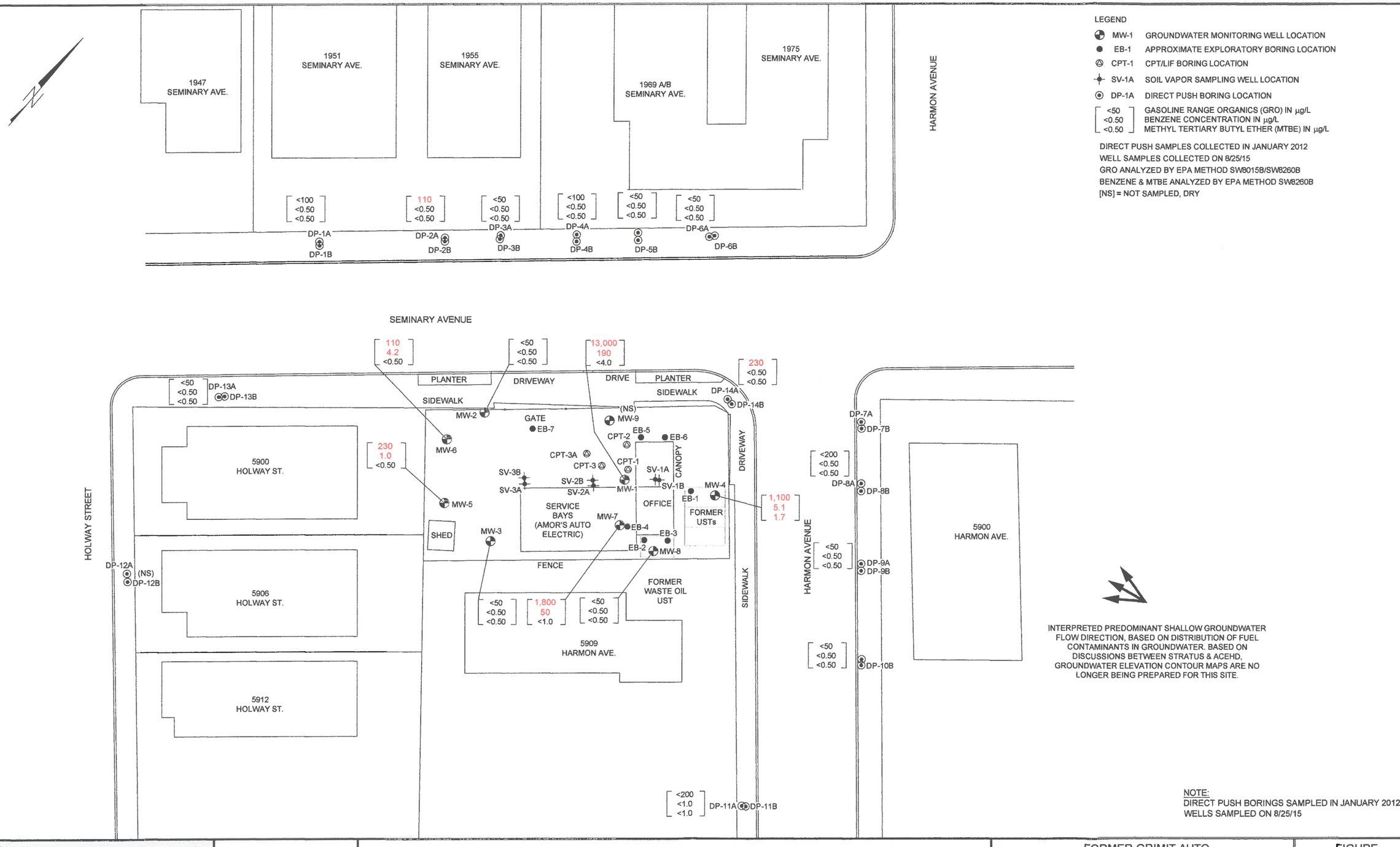
PATH NAME: Grimit Auto
DRAFTER INITIALS: JED
DATE LAST REVISED: July 27, 2015
FILENAME: Grimit Site Vicinity Map

0 30 FT
SCALE

FORMER GRIMIT AUTO
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA

SITE VICINITY MAP

FIGURE
3
PROJECT NO.
2090-1970-1



LEGEND

MW-1	GROUNDWATER MONITORING 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
<50 <0.50 <0.50	GASOLINE RANGE ORGANICS (GRO) IN µg/L BENZENE CONCENTRATION IN µg/L METHYL TERTIARY BUTYL ETHER (MTBE) IN µg/L

DIRECT PUSH SAMPLES COLLECTED IN JANUARY 2012
WELL SAMPLES COLLECTED ON 8/25/15
GRO ANALYZED BY EPA METHOD SW8015B/SW8260B
BENZENE & MTBE ANALYZED BY EPA METHOD SW8260B
[NS] = NOT SAMPLED, DRY

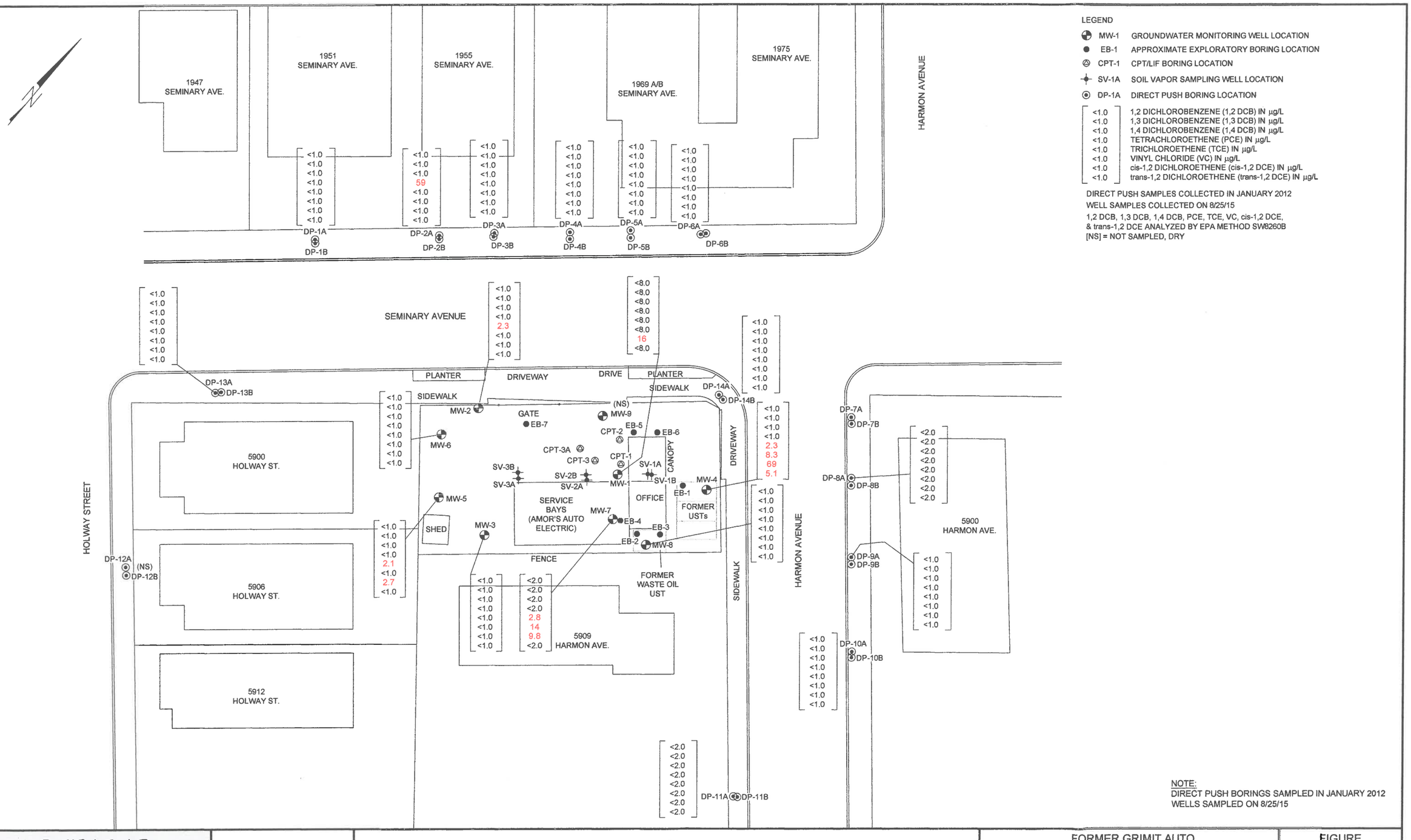
NOTE:
DIRECT PUSH BORINGS SAMPLED IN JANUARY 2012
WELLS SAMPLED ON 8/25/15

STRATUS ENVIRONMENTAL, INC.

PATH NAME: Grimit Auto\Quarterly
DRAFTER INITIALS: DMG
DATE LAST REVISED: September 24, 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



LEGEND

- MW-1 GROUNDWATER MONITORING 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

<1.0	1,2 DICHLOROBENZENE (1,2 DCB) IN µg/L
<1.0	1,3 DICHLOROBENZENE (1,3 DCB) IN µg/L
<1.0	1,4 DICHLOROBENZENE (1,4 DCB) IN µg/L
<1.0	TETRACHLOROETHENE (PCE) IN µg/L
<1.0	TRICHLOROETHENE (TCE) IN µg/L
<1.0	VINYL CHLORIDE (VC) IN µg/L
<1.0	cis-1,2 DICHLOROETHENE (cis-1,2 DCE) IN µg/L
<1.0	trans-1,2 DICHLOROETHENE (trans-1,2 DCE) IN µg/L

DIRECT PUSH SAMPLES COLLECTED IN JANUARY 2012
WELL SAMPLES COLLECTED ON 8/25/15
1,2 DCB, 1,3 DCB, 1,4 DCB, PCE, TCE, VC, cis-1,2 DCE, & trans-1,2 DCE ANALYZED BY EPA METHOD SW8260B
[NS] = NOT SAMPLED, DRY

NOTE:
DIRECT PUSH BORINGS SAMPLED IN JANUARY 2012
WELLS SAMPLED ON 8/25/15

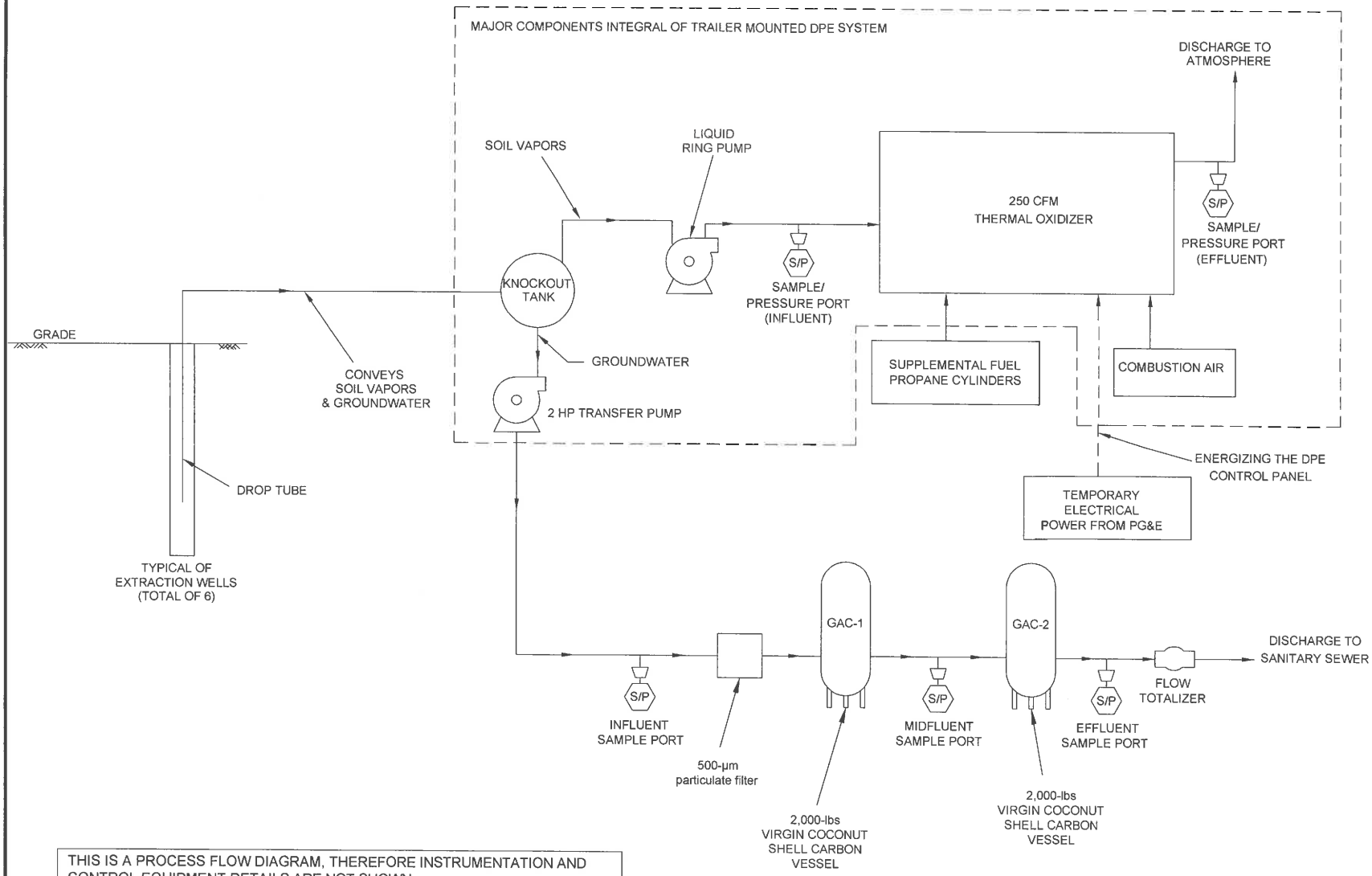
STRATUS ENVIRONMENTAL, INC.

PATH NAME: Grimit AutoQuarterly
DRAFTER INITIALS: DMG
DATE LAST REVISED: September 24, 2015
FILENAME: Grimit Quarterly Figures

0 30 FT
SCALE

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 Gerinit Auto
Project Number
Project PM Scott
DATE 8-25-15

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	on	system		34.40		2	.5										
MW-2	0930		14.41	35.10	20.69	2	.5	10	10		X			30.13	1	1200	—
MW-3	0936		13.57	20.40	6.53	2	.5	3	2 DRY		X			27.47	2	1110	1.85
MW-4	0940		23.33	31.10	11.27	2	.5	6	4 DRY		X			16.95	3	1122	3.02
MW-5	0935		26.20	34.92	8.72	2	.5	4	2 DRY		X			25.71	4	0840	1.14
MW-6	0937		11.92	18.25	6.33	2	.5	3	2 DRY		X			28.13	5	1130	2.56
MW-7	0933		28.08	31.88	3.80	2	.5	2	1 DRY		X			13.81	6	1140	1.46
MW-8	0932		5.28	19.12	13.87	2	.5	7	7		X			29.67	7	1150	1.71
MW-9	0929		19.22	20.05	DRY	2	.5				X			5.27	8	1105	2.44
															9	DRY	—

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 8-15-15
Conductivity
DO

T:\Forms

ORIGINAL

STRATUS ENVIRONMENTAL, INC.

Site Address 1920 Seminary Ave Site Number Grum. 4 Auto
City Oakland Project Number
Sampled By: Project PM Scott
Signature DATE 8/25/13

Well ID MW-4				6
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 0738	19.2	6.77	2.30	0
time 0723	18.8	6.66	446.0	3
time				4.04
time				
purge stop time 1.14			ORP -4.0	

Well ID MW-3				3
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 0945	18.4	6.62	354.7	0
time 0947	18.6	6.64	385.1	1.5
time				
time				
purge stop time 3.02			ORP 3.3	

Well ID MW-5				4
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 0953	18.4	6.79	427.0	0
time 0958	18.0	6.72	447.1	2.04
time				
time				
purge stop time 2.56			ORP -2.0	

Well ID MW6				3
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 1003	19.9	6.62	468.8	0
time 1007	19.2	6.66	473.1	2.04
time				
time				
purge stop time 1.46			ORP 3.4	

Well ID MW7				2
Purge start time			Odor (Y) N	
	Temp C	pH	cond	gallons
time 1012	18.5	6.82	465.7	0
time 1014	18.4	6.91	438.2	1.04
time				
time				
purge stop time 1.71			ORP -14.8	

Well ID MW-8				7
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 1020	20.1	6.90	252.4	0
time 1025	20.0	6.88	199.1	4
time 1024	20.7	6.90	200.0	7
time				
purge stop time 8.84			ORP -12.9	

Well ID MW2				10
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 1035	21.2	6.54	449.2	0
time 1042	20.3	6.48	460.7	5
time 1048	19.2	4.59	4584	10
time				
purge stop time 1.85			ORP 8.5	

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

5

Billing Information:

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

Alpha Analytical, Inc.

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

Satellite Service Centers:

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

04307

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: T0601700667
Data Validation Packages: III or IV

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

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	GRO	BTEX	5 oxys	1,2 DCA	EDB	Oil Grease	HVOCs				Remarks
1200	8/22/17	AQ		MW-1	STD	8		X	X	X	X	X	X	X	X				
1110				MW-2		8													
1122				MW-3		8													
0800				MW-4		8													
1130				MW-5		8													
1140				MW-6		8													
1150				MW-7		8													
1100				MW-8	STD	8		X	X	X	X	X	X	X	X				

ADDITIONAL INSTRUCTIONS: Oil + Grease silica gel cleanup

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

Sampled By: [signature] Stratus

Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:
[signature] Stratus					

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

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

ORIGINAL

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

Date: 7-1-15
Onsite Time: 0730
Offsite Time: 0830
Technician: CHILL
Project Engineer: Debbie
Weather Conditions: Clear
Ambient Temperature: 55

System Information

out Propane 6-30-15

System Status Upon Arrival: Operational ☐ Non-Operational ☒
System Status Upon Departure: Operational ☐ Non-Operational ☒
Electric Meter Reading:
Hour Meter Reading: 4653
Chart Recorder Paper Replaced: ☐ Yes ☒ No
Propane Usage: 70 %
Inf pH
Eff pH
Totalizer Reading on DPE Unit: 237220
Dilution Air Pipe Diameter
Combustion Chamber Operating Temperature: 0
Dilution Air Flow/Temp

Field Measurements

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

Other Readings/Measurements

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

Filter is Blocked on Liquid Ring
TRO 200V-1A-XP
7081-00
Travaini

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: 7-15-15
Onsite Time: 0638
Offsite Time: 1000

Technician: CHILL
Project Engineer: Delsing
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: 52318
Hour Meter Reading: 4654
Chart Recorder Paper Replaced: ☒ Yes ☐ No
Propane Usage: 70%
Inf pH 8.65
Totalizer Reading on DPE Unit: 237260
Eff pH 8.60
Dilution Air Pipe Diameter 2
Combustion Chamber Operating Temperature: 1500
Dilution Air Flow/Temp 2796/76

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Air Velocity, FPM		1500		
Pipe Diameter, inches		4		
Air Flow Rate, cfm (<250)				
Applied Vacuum, "Hg/"WC	12"Hg			
Temperature, deg F		103	1172	
PID Readings, ppmv		45	1.6	

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	13.92	☒
EX-3		100			MW-3		
EX-4		☒			MW-4	21.29	-9.88
EX-5		☒			MW-5		
EX-6		100			MW-6		
MW 1		100			MW-7		
					MW-8	4.97	-.38
					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
ASYSINF	71515 0925	WINF	71515 0917
AEFF	" 0930	WGAC1	" 0845
		WEFF	" 0840

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: 8/31/5
Onsite Time: 0725
Offsite Time: 0825

Technician: CHILL
Project Engineer: Debbie
Weather Conditions: Cloudy
Ambient Temperature: 63

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒
System Status Upon Departure: Operational ☐ Non-Operational ☒
Electric Meter Reading: _____
Hour Meter Reading: 4889
Chart Recorder Paper Replaced: ☐ Yes ☒ No
Propane Usage: 80 #/1
Totalizer Reading on DPE Unit: 0238170
Inf pH _____
Eff pH _____
Dilution Air Pipe Diameter _____
Combustion Chamber Operating Temperature: _____
Dilution Air Flow/Temp _____

Field Measurements

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

Other Readings/Measurements

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

Need New motor starter

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: 8-10-15
Onsite Time: 0700
Offsite Time: 1030

Technician: CHILL
Project Engineer: Debbie
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: 54795
Hour Meter Reading: 4890
Chart Recorder Paper Replaced ☒ Yes ☐ No
Propane Usage: 80%
Inf pH 7.82
Totalizer Reading on DPE Unit: 238200
Eff pH 8.12
Dilution Air Pipe Diameter 2
Combustion Chamber Operating Temperature: 1526
Dilution Air Flow/Temp 2620 \ 69

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Air Velocity, FPM		1200		
Pipe Diameter, inches		4		
Air Flow Rate, cfm (<250)				
Applied Vacuum, "Hg/"WC	12"Hg			
Temperature, deg F		96	1266	
PID Readings, ppmv		150	1.5	

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	21.87	-8.4
EX-5					MW-5		
EX-6		100			MW-6		
MW 1		100			MW-7		
					MW-8		
					MW-9		

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

ORIGINAL

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
E- ASYSINF	81315 1015	I WINF	81013 1405
E : AEFF	) 0800	I WGAC1	) 0740
		I WEFF	0735

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.
Replace Contactor for Blower motor

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

ORIGINAL

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

Date: 8-25-15
Onsite Time: 0700
Offsite Time: 1200

Technician: CHILL
Project Engineer: Dublin
Weather Conditions: Clear
Ambient Temperature: 50

System Information

System Status Upon Arrival: Operational [X] Non-Operational [ ]
System Status Upon Departure: Operational [X] Non-Operational [ ]
Electric Meter Reading: NM
Hour Meter Reading: 5248
Chart Recorder Paper Replaced: [X] Yes [ ] No
Propane Usage: 70 %
Totalizer Reading on DPE Unit: 238980
Inf pH
Eff pH
Dilution Air Pipe Diameter: 2
Combustion Chamber Operating Temperature: 1582
Dilution Air Flow/Temp 2133 - 71°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	11" Hg			
Temperature, deg F		100	1100	
PID Readings, ppmv		31	8-9	

Other Readings/Measurements H20

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	14.41	-5.6
EX-3		100			MW-3		
EX-4					MW-4	23.33	-29.4"
EX-5					MW-5		
EX-6		100			MW-6		
MW1		100			MW-7		
					MW-8	5.25	0
					MW-9		

ORIGINAL

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

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

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

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

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

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

ORIGINAL

Date: 9-1-15
Onsite Time: 0620
Offsite Time: 0730

Technician: CHILL
Project Engineer: Debbie
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: 61359
Hour Meter Reading: 5416
Chart Recorder Paper Replaced: [X] Yes [ ] No
Propane Usage: 70%
Totalizer Reading on DPE Unit: 239230
Inf pH 8.02
Eff pH 8.06
Dilution Air Pipe Diameter 2
Combustion Chamber Operating Temperature: 1520
Dilution Air Flow/Temp 3195/66°

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		110		
PID Readings, ppmv		27	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		
EX-3		100			MW-3		
EX-4					MW-4		
EX-5					MW-5		
EX-6		100			MW-6		
MW-1		100			MW-7		
					MW-8		
					MW-9		

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

ORIGINAL

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
E ASYSINF	9/1/5 0951	I WINF	9-1-15 0636
E AEFF	/ 0648	I WGAC1	/ 0633
		I WEFF	/ 0631

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:	9/22/15	Technician:	CHILL
Onsite Time:	0550	Project Engineer:	Debbie
Offsite Time:	0700	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:	67621			
Hour Meter Reading:	5919	Chart Recorder Paper Replaced	☒ Yes ☐ No	
Propane Usage:	65010			
Totalizer Reading on DPE Unit:	239920	Inf pH		
		Eff pH		
		Dilution Air Pipe Diameter	2	
Combustion Chamber Operating Temperature:	1543	Dilution Air Flow/Temp	3517/71	

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	10"46			
Temperature, deg F		94	93	1347
PID Readings, ppmv		16	7	1.3

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	23.21	-27.5
EX-5					MW-5		
EX-6		100			MW-6		
MW1		100			MW-7		
					MW-8		
					MW-9		

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

ORIGINAL

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

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

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

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

APPENDIX B

SAMPLING AND ANALYSES PROCEDURES

APPENDIX B

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 : 08/27/15

Job: Grimit Auto

Oil and Grease, HEM
EPA Method 1664A

	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **MW-1**					
Lab ID : STR15082741-01A	Oil & Grease, HEM	1,600,000	5,000 µg/L	09/02/15	09/02/15
Date Sampled 08/25/15 12:00					
Client ID: **MW-2**					
Lab ID : STR15082741-02A	Oil & Grease, HEM	ND	5,000 µg/L	09/02/15	09/02/15
Date Sampled 08/25/15 11:10					
Client ID: **MW-3**					
Lab ID : STR15082741-03A	Oil & Grease, HEM	ND	5,000 µg/L	09/02/15	09/02/15
Date Sampled 08/25/15 11:22					
Client ID: **MW-4**					
Lab ID : STR15082741-04A	Oil & Grease, HEM	5,700	5,000 µg/L	09/02/15	09/02/15
Date Sampled 08/25/15 08:00					
Client ID: **MW-5**					
Lab ID : STR15082741-05A	Oil & Grease, HEM	ND	5,000 µg/L	09/02/15	09/02/15
Date Sampled 08/25/15 11:30					
Client ID: **MW-6**					
Lab ID : STR15082741-06A	Oil & Grease, HEM	ND	5,000 µg/L	09/02/15	09/02/15
Date Sampled 08/25/15 11:40					
Client ID: **MW-7**					
Lab ID : STR15082741-07A	Oil & Grease, HEM	ND	5,000 µg/L	09/02/15	09/02/15
Date Sampled 08/25/15 11:50					
Client ID: **MW-8**					
Lab ID : STR15082741-08A	Oil & Grease, HEM	ND	5,000 µg/L	09/02/15	09/02/15
Date Sampled 08/25/15 11:00					

HEM = Hexane Extractable Material

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

Roger Scholl Randy Gardner

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

ACCREDITED DoD ELAP

9/3/15
Report Date

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 08/27/15

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 : STR15082741-01A	Oil & Grease, SGT-HEM	530,000	5,000 µg/L	09/02/15	09/02/15
Date Sampled 08/25/15 12:00					
Client ID: **MW-4**					
Lab ID : STR15082741-04A	Oil & Grease, SGT-HEM	ND	5,000 µg/L	09/02/15	09/02/15
Date Sampled 08/25/15 08:00					

SGT-HEM = Silica Gel Treated Hexane Extractable Material

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

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Stratus Environmental
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Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 08/27/15

Job: Grimit Auto

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

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**MW-1**					
Lab ID :	STR15082741-01A	TPH-P (GRO)	13,000	800 µg/L	09/02/15	09/02/15
Date Sampled	08/25/15 12:00					
Client ID :	**MW-2**					
Lab ID :	STR15082741-02A	TPH-P (GRO)	ND	50 µg/L	09/02/15	09/02/15
Date Sampled	08/25/15 11:10					
Client ID :	**MW-3**					
Lab ID :	STR15082741-03A	TPH-P (GRO)	ND	50 µg/L	09/02/15	09/02/15
Date Sampled	08/25/15 11:22					
Client ID :	**MW-4**					
Lab ID :	STR15082741-04A	TPH-P (GRO)	1,100	100 µg/L	09/02/15	09/02/15
Date Sampled	08/25/15 08:00					
Client ID :	**MW-5**					
Lab ID :	STR15082741-05A	TPH-P (GRO)	230	50 µg/L	09/02/15	09/02/15
Date Sampled	08/25/15 11:30					
Client ID :	**MW-6**					
Lab ID :	STR15082741-06A	TPH-P (GRO)	110	50 µg/L	09/02/15	09/02/15
Date Sampled	08/25/15 11:40					
Client ID :	**MW-7**					
Lab ID :	STR15082741-07A	TPH-P (GRO)	1,800	200 µg/L	09/02/15	09/02/15
Date Sampled	08/25/15 11:50					
Client ID :	**MW-8**					
Lab ID :	STR15082741-08A	TPH-P (GRO)	ND	50 µg/L	09/02/15	09/02/15
Date Sampled	08/25/15 11:00					

Gasoline Range Organics (GRO) C4-C13

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

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ACCREDITED DoD ELAP

9/3/15
Report Date

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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: STR15082741-01A
Client I.D. Number: MW-1

Sampled: 08/25/15 12:00
Received: 08/27/15
Extracted: 09/02/15
Analyzed: 09/02/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
	Chloromethane	ND	32 µg/L
	Vinyl chloride	ND	8.0 µg/L
	Chloroethane	ND	8.0 µg/L
	Bromomethane	ND	32 µg/L
	Trichlorofluoromethane	ND	8.0 µg/L
	1,1-Dichloroethene	ND	8.0 µg/L
	Tertiary Butyl Alcohol (TBA)	ND	80 µg/L
	Dichloromethane	ND	32 µg/L
	trans-1,2-Dichloroethene	ND	8.0 µg/L
0	Methyl tert-butyl ether (MTBE)	ND	4.0 µg/L
1	1,1-Dichloroethane	ND	8.0 µg/L
2	Di-isopropyl Ether (DIPE)	ND	8.0 µg/L
3	cis-1,2-Dichloroethene	16	8.0 µg/L
4	Chloroform	ND	8.0 µg/L
5	Ethyl Tertiary Butyl Ether (ETBE)	ND	8.0 µg/L
6	1,2-Dichloroethane	ND	8.0 µg/L
7	1,1,1-Trichloroethane	ND	8.0 µg/L
8	Carbon tetrachloride	ND	8.0 µg/L
9	Benzene	190	4.0 µg/L
0	Tertiary Amyl Methyl Ether (TAME)	ND	8.0 µg/L
1	1,2-Dichloropropane	ND	8.0 µg/L
2	Trichloroethene	ND	8.0 µg/L
3	Bromodichloromethane	ND	8.0 µg/L
4	cis-1,3-Dichloropropene	ND	8.0 µg/L
5	trans-1,3-Dichloropropene	ND	8.0 µg/L
26	1,1,2-Trichloroethane	ND	8.0 µg/L
27	Toluene	47	4.0 µg/L
28	Dibromochloromethane	ND	8.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	16 µg/L
30	Tetrachloroethene	ND	8.0 µg/L
31	Chlorobenzene	ND	8.0 µg/L
32	Ethylbenzene	31	4.0 µg/L
33	m,p-Xylene	170	4.0 µg/L
34	Bromoform	ND	8.0 µg/L
35	o-Xylene	52	4.0 µg/L
36	1,1,2,2-Tetrachloroethane	ND	8.0 µg/L
37	1,3-Dichlorobenzene	ND	8.0 µg/L
38	1,4-Dichlorobenzene	ND	8.0 µg/L
39	1,2-Dichlorobenzene	ND	8.0 µg/L

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

ND = Not Detected

Roger Scholl Randy Gardner

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

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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: STR15082741-02A
Client I.D. Number: MW-2

Sampled: 08/25/15 11:10
Received: 08/27/15
Extracted: 09/02/15
Analyzed: 09/02/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L
8	Dichloromethane	ND	2.0 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L
17	1,1,1-Trichloroethane	ND	1.0 µg/L
18	Carbon tetrachloride	ND	1.0 µg/L
19	Benzene	ND	0.50 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
21	1,2-Dichloropropane	ND	1.0 µg/L
22	Trichloroethene	2.3	1.0 µg/L
23	Bromodichloromethane	ND	1.0 µg/L
24	cis-1,3-Dichloropropene	ND	1.0 µg/L
25	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	ND	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
30	Tetrachloroethene	ND	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	ND	0.50 µg/L
33	m,p-Xylene	ND	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

Roger Scholl Randy Gardner

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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: STR15082741-03A
Client I.D. Number: MW-3

Sampled: 08/25/15 11:22
Received: 08/27/15
Extracted: 09/02/15
Analyzed: 09/02/15

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	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L
17	1,1,1-Trichloroethane	ND	1.0 µg/L
18	Carbon tetrachloride	ND	1.0 µg/L
19	Benzene	ND	0.50 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
21	1,2-Dichloropropane	ND	1.0 µg/L
22	Trichloroethene	ND	1.0 µg/L
23	Bromodichloromethane	ND	1.0 µg/L
24	cis-1,3-Dichloropropene	ND	1.0 µg/L
25	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	ND	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
30	Tetrachloroethene	ND	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	ND	0.50 µg/L
33	m,p-Xylene	ND	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

Roger Scholl Randy Gardner

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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: STR15082741-04A
Client I.D. Number: MW-4

Sampled: 08/25/15 08:00
Received: 08/27/15
Extracted: 09/02/15
Analyzed: 09/02/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
	Chloromethane	ND	4.0 µg/L
	Vinyl chloride	8.3	1.0 µg/L
	Chloroethane	ND	1.0 µg/L
	Bromomethane	ND	4.0 µg/L
	Trichlorofluoromethane	ND	1.0 µg/L
	1,1-Dichloroethene	ND	1.0 µg/L
	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L
	Dichloromethane	ND	4.0 µg/L
	trans-1,2-Dichloroethene	5.1	1.0 µg/L
0	Methyl tert-butyl ether (MTBE)	1.7	0.50 µg/L
1	1,1-Dichloroethane	ND	1.0 µg/L
2	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
3	cis-1,2-Dichloroethene	69	1.0 µg/L
4	Chloroform	ND	1.0 µg/L
5	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
6	1,2-Dichloroethane	ND	1.0 µg/L
7	1,1,1-Trichloroethane	ND	1.0 µg/L
8	Carbon tetrachloride	ND	1.0 µg/L
9	Benzene	5.1	0.50 µg/L
0	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
1	1,2-Dichloropropane	ND	1.0 µg/L
2	Trichloroethene	2.3	1.0 µg/L
3	Bromodichloromethane	ND	1.0 µg/L
4	cis-1,3-Dichloropropene	ND	1.0 µg/L
5	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	3.5	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
30	Tetrachloroethene	ND	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	6.8	0.50 µg/L
33	m,p-Xylene	2.5	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L

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

ND = Not Detected

Roger Scholl Randy Gardner

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

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9/3/15
Report Date

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

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

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

Alpha Analytical Number: STR15082741-05A
Client I.D. Number: MW-5

Sampled: 08/25/15 11:30
Received: 08/27/15
Extracted: 09/02/15
Analyzed: 09/02/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
	Chloromethane	ND	2.0 µg/L
	Vinyl chloride	ND	1.0 µg/L
	Chloroethane	ND	1.0 µg/L
	Bromomethane	ND	2.0 µg/L
	Trichlorofluoromethane	ND	1.0 µg/L
	1,1-Dichloroethene	ND	1.0 µg/L
	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L
	Dichloromethane	ND	2.0 µg/L
	trans-1,2-Dichloroethene	ND	1.0 µg/L
0	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
1	1,1-Dichloroethane	ND	1.0 µg/L
2	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
3	cis-1,2-Dichloroethene	2.7	1.0 µg/L
4	Chloroform	ND	1.0 µg/L
5	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
6	1,2-Dichloroethane	7.2	1.0 µg/L
7	1,1,1-Trichloroethane	ND	1.0 µg/L
8	Carbon tetrachloride	ND	1.0 µg/L
9	Benzene	1.0	0.50 µg/L
0	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
1	1,2-Dichloropropane	ND	1.0 µg/L
2	Trichloroethene	2.1	1.0 µg/L
3	Bromodichloromethane	ND	1.0 µg/L
4	cis-1,3-Dichloropropene	ND	1.0 µg/L
5	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	ND	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
30	Tetrachloroethene	ND	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	ND	0.50 µg/L
33	m,p-Xylene	ND	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

Roger Scholl Randy Gardner

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

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Report Date

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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: STR15082741-06A
Client I.D. Number: MW-6

Sampled: 08/25/15 11:40
Received: 08/27/15
Extracted: 09/02/15
Analyzed: 09/02/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
	Chloromethane	ND	2.0 µg/L
	Vinyl chloride	ND	1.0 µg/L
	Chloroethane	ND	1.0 µg/L
	Bromomethane	ND	2.0 µg/L
	Trichlorofluoromethane	ND	1.0 µg/L
	1,1-Dichloroethene	ND	1.0 µg/L
	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L
	Dichloromethane	ND	2.0 µg/L
	trans-1,2-Dichloroethene	ND	1.0 µg/L
0	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L
1	1,1-Dichloroethane	ND	1.0 µg/L
2	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
3	cis-1,2-Dichloroethene	ND	1.0 µg/L
4	Chloroform	ND	1.0 µg/L
5	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
6	1,2-Dichloroethane	ND	1.0 µg/L
7	1,1,1-Trichloroethane	ND	1.0 µg/L
8	Carbon tetrachloride	ND	1.0 µg/L
9	Benzene	4.2	0.50 µg/L
0	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
1	1,2-Dichloropropane	ND	1.0 µg/L
2	Trichloroethene	ND	1.0 µg/L
3	Bromodichloromethane	ND	1.0 µg/L
4	cis-1,3-Dichloropropene	ND	1.0 µg/L
5	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	ND	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
30	Tetrachloroethene	ND	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	ND	0.50 µg/L
33	m,p-Xylene	ND	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner

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

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Report Date

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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: STR15082741-07A
Client I.D. Number: MW-7

Sampled: 08/25/15 11:50
Received: 08/27/15
Extracted: 09/02/15
Analyzed: 09/02/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
	Chloromethane	ND	8.0 µg/L
2	Vinyl chloride	14	2.0 µg/L
3	Chloroethane	ND	2.0 µg/L
4	Bromomethane	ND	8.0 µg/L
5	Trichlorofluoromethane	ND	2.0 µg/L
6	1,1-Dichloroethene	ND	2.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	20 µg/L
8	Dichloromethane	ND	8.0 µg/L
9	trans-1,2-Dichloroethene	ND	2.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	1.0 µg/L
11	1,1-Dichloroethane	ND	2.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	2.0 µg/L
13	cis-1,2-Dichloroethene	9.8	2.0 µg/L
14	Chloroform	ND	2.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L
16	1,2-Dichloroethane	ND	2.0 µg/L
17	1,1,1-Trichloroethane	ND	2.0 µg/L
18	Carbon tetrachloride	ND	2.0 µg/L
19	Benzene	50	1.0 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	2.0 µg/L
21	1,2-Dichloropropane	ND	2.0 µg/L
22	Trichloroethene	2.8	2.0 µg/L
23	Bromodichloromethane	ND	2.0 µg/L
24	cis-1,3-Dichloropropene	ND	2.0 µg/L
25	trans-1,3-Dichloropropene	ND	2.0 µg/L
26	1,1,2-Trichloroethane	ND	2.0 µg/L
27	Toluene	1.7	1.0 µg/L
28	Dibromochloromethane	ND	2.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	4.0 µg/L
30	Tetrachloroethene	ND	2.0 µg/L
31	Chlorobenzene	ND	2.0 µg/L
32	Ethylbenzene	ND	1.0 µg/L
33	m,p-Xylene	ND	1.0 µg/L
34	Bromoform	ND	2.0 µg/L
35	o-Xylene	ND	1.0 µg/L
36	1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
37	1,3-Dichlorobenzene	ND	2.0 µg/L
38	1,4-Dichlorobenzene	ND	2.0 µg/L
39	1,2-Dichlorobenzene	ND	2.0 µg/L

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

ND = Not Detected

Roger Scholl Randy Gardner

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

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Report Date

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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: STR15082741-08A
Client I.D. Number: MW-8

Sampled: 08/25/15 11:00
Received: 08/27/15
Extracted: 09/02/15
Analyzed: 09/02/15

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	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L
17	1,1,1-Trichloroethane	ND	1.0 µg/L
18	Carbon tetrachloride	ND	1.0 µg/L
19	Benzene	ND	0.50 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
21	1,2-Dichloropropane	ND	1.0 µg/L
22	Trichloroethene	ND	1.0 µg/L
23	Bromodichloromethane	ND	1.0 µg/L
24	cis-1,3-Dichloropropene	ND	1.0 µg/L
25	trans-1,3-Dichloropropene	ND	1.0 µg/L
26	1,1,2-Trichloroethane	ND	1.0 µg/L
27	Toluene	ND	0.50 µg/L
28	Dibromochloromethane	ND	1.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
30	Tetrachloroethene	ND	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	ND	0.50 µg/L
33	m,p-Xylene	ND	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

Roger Scholl Randy Gardner

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

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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: STR15082741 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15082741-01A	MW-1	Aqueous	2
15082741-02A	MW-2	Aqueous	2
15082741-03A	MW-3	Aqueous	2
15082741-04A	MW-4	Aqueous	2
15082741-05A	MW-5	Aqueous	2
15082741-06A	MW-6	Aqueous	2
15082741-07A	MW-7	Aqueous	2
15082741-08A	MW-8	Aqueous	2

9/3/15

Report Date

Alpha Analytical, Inc.

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

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

Date: 04-Sep-15

QC Summary Report

Work Order: 15082741

Method Blank

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

File ID: Batch ID: **W0902OG** Analysis Date: **09/02/2015 00:00**

Sample ID: **MBLK-W0902OG** Units : µg/L Run ID: **WETLAB_150902B** Prep Date: **09/02/2015 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: **W0902OG** Analysis Date: **09/02/2015 00:00**

Sample ID: **LCS-W0902OG** Units : µg/L Run ID: **WETLAB_150902B** Prep Date: **09/02/2015 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, HEM	35800	5000	40000		90	78	114			

Sample Matrix Spike

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

File ID: Batch ID: **W0902OG** Analysis Date: **09/02/2015 00:00**

Sample ID: **15082741-02AMS** Units : µg/L Run ID: **WETLAB_150902B** Prep Date: **09/02/2015 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, HEM	36400	5000	40000	0	91	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: *04-Sep-15*

QC Summary Report

Work Order: 15082741

Method Blank

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

File ID: Batch ID: **W0902SG** Analysis Date: **09/02/2015 00:00**

Sample ID: **MBLK-W0902SG** Units : µg/L Run ID: **WETLAB_150902C** Prep Date: **09/01/2015 09:15**

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: **W0902SG** Analysis Date: **09/02/2015 00:00**

Sample ID: **LCS-W0902SG** Units : µg/L Run ID: **WETLAB_150902C** Prep Date: **09/02/2015 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, SGT-HEM	10700	5000	20000		54	64	132			L2

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.

L2 = The associated blank spike recovery was below laboratory acceptance limits.

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-Sep-15

QC Summary Report

Work Order: 15082741

Method Blank

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

File ID: **15090204.D** Batch ID: **MS09W0902B** Analysis Date: **09/02/2015 12:34**

Sample ID: **MBLK MS09W0902B** Units : µg/L Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 12:34**

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	9.68		10		97	70	130			

Laboratory Control Spike

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

File ID: **15090203.D** Batch ID: **MS09W0902B** Analysis Date: **09/02/2015 12:09**

Sample ID: **GLCS MS09W0902B** Units : µg/L Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 12:09**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	421	50	400		105	70	130			
Surr: 1,2-Dichloroethane-d4	10.3		10		103	70	130			
Surr: Toluene-d8	9.97		10		99.7	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: **15090216.D** Batch ID: **MS09W0902B** Analysis Date: **09/02/2015 17:26**

Sample ID: **15090240-01AGS** Units : µg/L Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 17:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2130	250	2000	0	107	54	143			
Surr: 1,2-Dichloroethane-d4	51.4		50		103	70	130			
Surr: Toluene-d8	49.8		50		99.6	70	130			
Surr: 4-Bromofluorobenzene	50		50		100	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15090217.D** Batch ID: **MS09W0902B** Analysis Date: **09/02/2015 17:50**

Sample ID: **15090240-01AGSD** Units : µg/L Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 17:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2250	250	2000	0	113	54	143	2132	5.6(23)	
Surr: 1,2-Dichloroethane-d4	51.3		50		103	70	130			
Surr: Toluene-d8	50.4		50		101	70	130			
Surr: 4-Bromofluorobenzene	48.6		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: 04-Sep-15

QC Summary Report

Work Order: 15082741

Method Blank

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

File ID: **15090204.D** Batch ID: **MS09W0902A** Analysis Date: **09/02/2015 12:34**

Sample ID: **MBLK MS09W0902A** Units : **µg/L** Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 12:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
1,2-Dibromoethane (EDB)	ND	2								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND	1								
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	9.68		10		97	70	130			

Laboratory Control Spike

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

File ID: **15090202.D** Batch ID: **MS09W0902A** Analysis Date: **09/02/2015 11:44**

Sample ID: **LCS MS09W0902A** Units : **µg/L** Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 11:44**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.4	1	10		104	70	130			
Methyl tert-butyl ether (MTBE)	9.06	0.5	10		91	63	137			
Benzene	10	0.5	10		100	70	130			
Trichloroethene	9.95	1	10		100	68	138			
Toluene	9.7	0.5	10		97	70	130			
Chlorobenzene	9.78	1	10		98	70	130			
Ethylbenzene	8.74	0.5	10		87	70	130			
m,p-Xylene	9.21	0.5	10		92	65	139			
o-Xylene	9.93	0.5	10		99	70	130			
Surr: 1,2-Dichloroethane-d4	10		10		100	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	9.84		10		98	70	130			

Alpha Analytical, Inc.

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

Date: *04-Sep-15*

QC Summary Report

Work Order: 15082741

Sample Matrix Spike

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

File ID: **15090214.D** Batch ID: **MS09W0902A** Analysis Date: **09/02/2015 16:37**

Sample ID: **15090240-01AMS** Units : **µg/L** Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 16:37**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	50.6	2.5	50	0	101	62	133			
Methyl tert-butyl ether (MTBE)	48.8	1.3	50	0	98	56	140			
Benzene	51.1	1.3	50	0	102	67	134			
Trichloroethene	48.7	2.5	50	0	97	68	138			
Toluene	47.9	1.3	50	0	96	38	130			
Chlorobenzene	48	2.5	50	0	96	70	130			
Ethylbenzene	41.8	1.3	50	0	84	70	130			
m,p-Xylene	43.2	1.3	50	0	86	65	139			
o-Xylene	48.6	1.3	50	0	97	69	130			
Surr: 1,2-Dichloroethane-d4	52		50		104	70	130			
Surr: Toluene-d8	49.1		50		98	70	130			
Surr: 4-Bromofluorobenzene	49.6		50		99	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15090215.D** Batch ID: **MS09W0902A** Analysis Date: **09/02/2015 17:01**

Sample ID: **15090240-01AMSD** Units : **µg/L** Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 17:01**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	58	2.5	50	0	116	62	133	50.63	13.6(35)	
Methyl tert-butyl ether (MTBE)	54	1.3	50	0	108	56	140	48.79	10.1(40)	
Benzene	57.1	1.3	50	0	114	67	134	51.11	11.0(21)	
Trichloroethene	54.4	2.5	50	0	109	68	138	48.7	11.1(20)	
Toluene	53.1	1.3	50	0	106	38	130	47.86	10.4(20)	
Chlorobenzene	53.8	2.5	50	0	108	70	130	48.03	11.2(20)	
Ethylbenzene	47.2	1.3	50	0	94	70	130	41.81	12.1(20)	
m,p-Xylene	49.2	1.3	50	0	98	65	139	43.23	13.0(20)	
o-Xylene	54.5	1.3	50	0	109	69	130	48.62	11.4(20)	
Surr: 1,2-Dichloroethane-d4	51		50		102	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.

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 : STR15082741

Report Due By : 5:00 PM On : 03-Sep-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 # : 04307 Job : Grimit Auto

EDD Required : Yes

Sampled by : C. Hill

Cooler Temp	Samples Received	Date Printed
2 °C	27-Aug-15	27-Aug-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
STR15082741-01A	MW-1	AQ	08/25/15 12:00	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15082741-02A	MW-2	AQ	08/25/15 11:10	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15082741-03A	MW-3	AQ	08/25/15 11:22	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15082741-04A	MW-4	AQ	08/25/15 08:00	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15082741-05A	MW-5	AQ	08/25/15 11:30	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15082741-06A	MW-6	AQ	08/25/15 11:40	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15082741-07A	MW-7	AQ	08/25/15 11:50	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					
STR15082741-08A	MW-8	AQ	08/25/15 11:00	8	0	5	O&G-HEM	O&G-SGT	GAS-C	8260/Oxys/EDB_Cs					

Comments: Security seals intact. Frozen ice. Oil & Grease Silica Gel Cleanup. ;

	Signature	Print Name	Company	Date/Time
Logged in by:	JCM.	JESSICA ALVARADO	Alpha Analytical, Inc.	8/27/15 1005

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

Billing Information:

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

Alpha Analytical, Inc.

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

Satellite Service Centers:

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

04307

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	5oxys	1,2 DCA	EDB	Oil Grease	HVOCs				Remarks
1200	8/22/15	AQ	STR15082741-01A	MW-1	STD	8		X	X	X	X	X	X	X	X				
1110			-02A	MW-2		8													
1122			-03A	MW-3		8													
0800			-04A	MW-4		8													
1130			-05A	MW-5		8													
1140			-06A	MW-6		8													
1150			-07A	MW-7		8													
1100			-08A	MW-8	STD	8		X	X	X	X	X	X	X	X				

ADDITIONAL INSTRUCTIONS: Oil+Grease silica gel cleanup

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

Sampled By: [signature]

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] Stratus	082515	1614	E. Fmuano	082515	1614
			[signature]	8/27/15	955

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

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

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 07/16/15

Job: Grimit Auto

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

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim A SYS INF**					
Lab ID :	STR15071641-01A	TPH-P (GRO)	46	20 mg/m³	07/16/15 15:55	07/19/15
Date Sampled	07/15/15 09:25					
Client ID :	**Grim A EFF**					
Lab ID :	STR15071641-02A	TPH-P (GRO)	ND	20 mg/m³	07/16/15 15:55	07/19/15
Date Sampled	07/15/15 09:30					
Client ID :	**Grim W INF**					
Lab ID :	STR15071641-03A	TPH-P (GRO)	200,000	10,000 µg/L	07/23/15	07/23/15
Date Sampled	07/15/15 09:17					
Client ID :	**Grim W GAC1**					
Lab ID :	STR15071641-04A	TPH-P (GRO)	ND	50 µg/L	07/23/15	07/23/15
Date Sampled	07/15/15 08:45					
Client ID :	**Grim W EFF**					
Lab ID :	STR15071641-05A	TPH-P (GRO)	ND	50 µg/L	07/23/15	07/23/15
Date Sampled	07/15/15 08:40					

Gasoline Range Organics (GRO) C4-C13
Note: For samples -01A & -02A concentrations of air in Tedlar Bags are at 29 degrees Celsius and 25.52 inches of mercury.
ND = Not Detected
Reported in micrograms per Liter, per client request.

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner

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

7/24/15
Report Date

Alpha Analytical, Inc.

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

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

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

Alpha Analytical Number: STR15071641-03A
Client I.D. Number: Grim W INF

Sampled: 07/15/15 09:17
Received: 07/16/15
Extracted: 07/23/15
Analyzed: 07/23/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit		Compound	Concentration	Reporting Limit
1	Chloromethane	ND	400 µg/L	26	1,1,2-Trichloroethane	ND	100 µg/L
2	Vinyl chloride	ND	100 µg/L	27	Toluene	ND	50 µg/L
3	Chloroethane	ND	100 µg/L	28	Dibromochloromethane	ND	100 µg/L
4	Bromomethane	ND	400 µg/L	29	1,2-Dibromoethane (EDB)	ND	200 µg/L
5	Trichlorofluoromethane	ND	100 µg/L	30	Tetrachloroethene	ND	100 µg/L
6	1,1-Dichloroethene	ND	100 µg/L	31	Chlorobenzene	ND	100 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	1,000 µg/L	32	Ethylbenzene	210	50 µg/L
8	Dichloromethane	ND	400 µg/L	33	m,p-Xylene	2,000	50 µg/L
9	trans-1,2-Dichloroethene	ND	100 µg/L	34	Bromoform	ND	100 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	50 µg/L	35	o-Xylene	620	50 µg/L
11	1,1-Dichloroethane	ND	100 µg/L	36	1,1,2,2-Tetrachloroethane	ND	100 µg/L
12	Di-isopropyl Ether (DIPE)	ND	100 µg/L	37	1,3-Dichlorobenzene	ND	100 µg/L
13	cis-1,2-Dichloroethene	ND	100 µg/L	38	1,4-Dichlorobenzene	ND	100 µg/L
14	Chloroform	ND	100 µg/L	39	1,2-Dichlorobenzene	ND	100 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	100 µg/L	40	Naphthalene	450	400 µg/L
16	1,2-Dichloroethane	ND	100 µg/L				
17	1,1,1-Trichloroethane	ND	100 µg/L				
18	Carbon tetrachloride	ND	100 µg/L				
19	Benzene	ND	50 µg/L				
20	Tertiary Amyl Methyl Ether (TAME)	ND	100 µg/L				
21	1,2-Dichloropropane	ND	100 µg/L				
22	Trichloroethene	ND	100 µg/L				
23	Bromodichloromethane	ND	100 µg/L				
24	cis-1,3-Dichloropropene	ND	100 µg/L				
25	trans-1,3-Dichloropropene	ND	100 µg/L				

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

ND = Not Detected

Roger Scholl Randy Gardner

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

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7/24/15
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: STR15071641-04A
Client I.D. Number: Grim W GAC1

Sampled: 07/15/15 08:45
Received: 07/16/15
Extracted: 07/23/15
Analyzed: 07/23/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit		Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L	26	1,1,2-Trichloroethane	ND	1.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L	27	Toluene	ND	0.50 µg/L
3	Chloroethane	2.5	1.0 µg/L	28	Dibromochloromethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L	29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L	30	Tetrachloroethene	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L	31	Chlorobenzene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	32	Ethylbenzene	ND	0.50 µg/L
8	Dichloromethane	ND	2.0 µg/L	33	m,p-Xylene	ND	0.50 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L	34	Bromoform	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	35	o-Xylene	ND	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L	36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	37	1,3-Dichlorobenzene	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L	38	1,4-Dichlorobenzene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L	39	1,2-Dichlorobenzene	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	40	Naphthalene	ND	2.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L				
17	1,1,1-Trichloroethane	ND	1.0 µg/L				
18	Carbon tetrachloride	ND	1.0 µg/L				
19	Benzene	ND	0.50 µg/L				
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L				
21	1,2-Dichloropropane	ND	1.0 µg/L				
22	Trichloroethene	ND	1.0 µg/L				
23	Bromodichloromethane	ND	1.0 µg/L				
24	cis-1,3-Dichloropropene	ND	1.0 µg/L				
25	trans-1,3-Dichloropropene	ND	1.0 µg/L				

ND = Not Detected

Roger Scholl Randy Gardner

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

7/24/15
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: STR15071641-05A
Client I.D. Number: Grim W EFF

Sampled: 07/15/15 08:40
Received: 07/16/15
Extracted: 07/23/15
Analyzed: 07/23/15

Volatile Organics by GC/MS
EPA Method 624/8260

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

ND = Not Detected

Roger Scholl Randy Gardner

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

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

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

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

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.

7/24/15
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: STR15071641 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15071641-03A	Grim W INF	Aqueous	2
15071641-04A	Grim W GAC1	Aqueous	2
15071641-05A	Grim W EFF	Aqueous	2

7/24/15

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: STR15071641-01A
Client I.D. Number: Grim A SYS INF

Sampled: 07/15/15 09:25
Received: 07/16/15
Extracted: 07/16/15 15:55
Analyzed: 07/19/15

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	0.80 mg/m³
2	Vinyl chloride	ND	0.40 mg/m³
3	Chloroethane	ND	0.40 mg/m³
4	Bromomethane	ND	0.80 mg/m³
5	Trichlorofluoromethane	ND	0.40 mg/m³
6	1,1-Dichloroethene	ND	0.40 mg/m³
7	Tertiary Butyl Alcohol (TBA)	ND	10 mg/m³
8	Dichloromethane	ND	0.80 mg/m³
9	trans-1,2-Dichloroethene	ND	0.40 mg/m³
10	Methyl tert-butyl ether (MTBE)	ND	0.20 mg/m³
11	1,1-Dichloroethane	ND	0.40 mg/m³
12	Di-isopropyl Ether (DIPE)	ND	0.40 mg/m³
13	cis-1,2-Dichloroethene	ND	0.40 mg/m³
14	Chloroform	ND	0.40 mg/m³
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	0.40 mg/m³
16	1,2-Dichloroethane	ND	0.40 mg/m³
17	1,1,1-Trichloroethane	ND	0.40 mg/m³
18	Carbon tetrachloride	ND	0.40 mg/m³
19	Benzene	ND	0.20 mg/m³
20	Tertiary Amyl Methyl Ether (TAME)	ND	0.40 mg/m³
21	1,2-Dichloropropane	ND	0.40 mg/m³
22	Trichloroethene	ND	0.40 mg/m³
23	Bromodichloromethane	ND	0.40 mg/m³
24	cis-1,3-Dichloropropene	ND	0.40 mg/m³
25	trans-1,3-Dichloropropene	ND	0.40 mg/m³
26	1,1,2-Trichloroethane	ND	0.40 mg/m³
27	Toluene	ND	0.20 mg/m³
28	Dibromochloromethane	ND	0.40 mg/m³
29	1,2-Dibromoethane (EDB)	ND	0.80 mg/m³
30	Tetrachloroethene	ND	0.40 mg/m³
31	Chlorobenzene	ND	0.40 mg/m³
32	Ethylbenzene	0.24	0.20 mg/m³
33	m,p-Xylene	1.2	0.20 mg/m³
34	Bromoform	ND	0.40 mg/m³
35	o-Xylene	0.32	0.20 mg/m³
36	1,1,2,2-Tetrachloroethane	ND	0.40 mg/m³
37	n-Propylbenzene	ND	0.40 mg/m³
38	1,2,4-Trimethylbenzene	0.44	0.40 mg/m³
39	1,3-Dichlorobenzene	ND	0.40 mg/m³
40	1,4-Dichlorobenzene	ND	0.40 mg/m³
41	1,2-Dichlorobenzene	ND	0.40 mg/m³

Note: Concentrations of air in a Tedlar Bag are at 29 degrees Celsius and 25.52 inches of mercury.
This replaces the report signed 7/24/15 due to a change in the analyte list, per client request.

ND = Not Detected

Roger Scholl Randy Gardner

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

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

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

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ACCLASS ACCREDITED DoD ELAP

8/18/15
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: STR15071641-02A
Client I.D. Number: Grim A EFF

Sampled: 07/15/15 09:30
Received: 07/16/15
Extracted: 07/16/15 15:55
Analyzed: 07/19/15

Volatile Organics by GC/MS
EPA Method SW8260B

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

Note: Concentrations of air in a Tedlar Bag are at 29 degrees Celsius and 25.52 inches of mercury.
This replaces the report signed 7/24/15 due to a change in the analyte list, per client request.

ND = Not Detected

Roger Scholl Randy Gardner

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8/18/15
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: *24-Jul-15*

QC Summary Report

Work Order: 15071641

Method Blank

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

File ID: **15071906.D** Batch ID: **MS09A0719B** Analysis Date: **07/19/2015 15:03**

Sample ID: **MBLK MS09A0719B** Units : **mg/m³** Run ID: **MSD_09_150719A** Prep Date: **07/19/2015 15:03**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	10								
Surr: 1,2-Dichloroethane-d4	1.89		2		95	70	130			
Surr: Toluene-d8	2.08		2		104	70	130			
Surr: 4-Bromofluorobenzene	2.02		2		101	70	130			

Laboratory Control Spike

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

File ID: **15071903.D** Batch ID: **MS09A0719B** Analysis Date: **07/19/2015 13:50**

Sample ID: **GLCS MS09A0719B** Units : **mg/m³** Run ID: **MSD_09_150719A** Prep Date: **07/19/2015 13:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	390	10	400		98	70	130			
Surr: 1,2-Dichloroethane-d4	9.18		10		92	70	130			
Surr: Toluene-d8	10.3		10		103	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Comments:

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

Alpha Analytical, Inc.

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

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Date: 24-Jul-15

QC Summary Report

Work Order: 15071641

Method Blank

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

File ID: **15072239.D** Batch ID: **MS09W0722D** Analysis Date: **07/23/2015 03:02**

Sample ID: **MBLK MS09W0722D** Units : **µg/L** Run ID: **MSD_09_150722D** Prep Date: **07/23/2015 03:02**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10.8		10		108	70	130			
Surr: Toluene-d8	9.88		10		99	70	130			
Surr: 4-Bromofluorobenzene	10.3		10		103	70	130			

Laboratory Control Spike

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

File ID: **15072237.D** Batch ID: **MS09W0722D** Analysis Date: **07/23/2015 02:13**

Sample ID: **GLCS MS09W0722D** Units : **µg/L** Run ID: **MSD_09_150722D** Prep Date: **07/23/2015 02:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	396	50	400		99	70	130			
Surr: 1,2-Dichloroethane-d4	10.6		10		106	70	130			
Surr: Toluene-d8	9.5		10		95	70	130			
Surr: 4-Bromofluorobenzene	11.1		10		111	70	130			

Sample Matrix Spike

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

File ID: **15072260.D** Batch ID: **MS09W0722D** Analysis Date: **07/23/2015 11:48**

Sample ID: **15071702-04AGS** Units : **µg/L** Run ID: **MSD_09_150722D** Prep Date: **07/23/2015 11:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1250	250	2000	0	62	54	143			
Surr: 1,2-Dichloroethane-d4	47.3		50		95	70	130			
Surr: Toluene-d8	48.6		50		97	70	130			
Surr: 4-Bromofluorobenzene	53.3		50		107	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15072261.D** Batch ID: **MS09W0722D** Analysis Date: **07/23/2015 12:13**

Sample ID: **15071702-04AGSD** Units : **µg/L** Run ID: **MSD_09_150722D** Prep Date: **07/23/2015 12:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1260	250	2000	0	63	54	143	1249	0.9(23)	
Surr: 1,2-Dichloroethane-d4	48.2		50		96	70	130			
Surr: Toluene-d8	49.2		50		98	70	130			
Surr: 4-Bromofluorobenzene	52.4		50		105	70	130			

Comments:

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

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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

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

Date: 24-Jul-15

QC Summary Report

Work Order: 15071641

Method Blank

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

File ID: **15072239.D** Batch ID: **MS09W0722C** Analysis Date: **07/23/2015 03:02**

Sample ID: **MBLK MS09W0722C** Units : µg/L Run ID: **MSD_09_150722D** Prep Date: **07/23/2015 03:02**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
1,2-Dibromoethane (EDB)	ND	2								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND	1								
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	10.8		10		108	70	130			
Surr: Toluene-d8	9.88		10		99	70	130			
Surr: 4-Bromofluorobenzene	10.3		10		103	70	130			

Laboratory Control Spike

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

File ID: **15072235.D** Batch ID: **MS09W0722C** Analysis Date: **07/23/2015 01:23**

Sample ID: **LCS MS09W0722C** Units : µg/L Run ID: **MSD_09_150722D** Prep Date: **07/23/2015 01:23**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9	1	10		90	70	130			
Methyl tert-butyl ether (MTBE)	10.1	0.5	10		101	63	137			
Benzene	10.7	0.5	10		107	70	130			
Trichloroethene	10.7	1	10		107	68	138			
Toluene	10.6	0.5	10		106	70	130			
Chlorobenzene	9.52	1	10		95	70	130			
Ethylbenzene	9.8	0.5	10		98	70	130			
m,p-Xylene	8.27	0.5	10		83	65	139			
o-Xylene	9.03	0.5	10		90	70	130			
Surr: 1,2-Dichloroethane-d4	11.1		10		111	70	130			
Surr: Toluene-d8	9.16		10		92	70	130			
Surr: 4-Bromofluorobenzene	10.5		10		105	70	130			

Alpha Analytical, Inc.

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

Date: *24-Jul-15*

QC Summary Report

Work Order: 15071641

Sample Matrix Spike Type **MS** Test Code: **EPA Method 624/8260**

File ID: **15072306.D** Batch ID: **MS09W0722C** Analysis Date: **07/23/2015 15:40**

Sample ID: **15071702-04AMS** Units : **µg/L** Run ID: **MSD_09_150722D** Prep Date: **07/23/2015 15:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	45.2	2.5	50	0	90	62	133			
Methyl tert-butyl ether (MTBE)	45.5	1.3	50	0	91	56	140			
Benzene	47.4	1.3	50	0	95	67	134			
Trichloroethene	46.6	2.5	50	0	93	68	138			
Toluene	46.5	1.3	50	0	93	38	130			
Chlorobenzene	43.5	2.5	50	0	87	70	130			
Ethylbenzene	45.3	1.3	50	0	91	70	130			
m,p-Xylene	39.4	1.3	50	0	79	65	139			
o-Xylene	42.1	1.3	50	0	84	69	130			
Surr: 1,2-Dichloroethane-d4	50.1		50		100	70	130			
Surr: Toluene-d8	47.4		50		95	70	130			
Surr: 4-Bromofluorobenzene	51.7		50		103	70	130			

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method 624/8260**

File ID: **15072259.D** Batch ID: **MS09W0722C** Analysis Date: **07/23/2015 11:23**

Sample ID: **15071702-04AMSD** Units : **µg/L** Run ID: **MSD_09_150722D** Prep Date: **07/23/2015 11:23**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	44.7	2.5	50	0	89	62	133	45.23	1.3(35)	
Methyl tert-butyl ether (MTBE)	43.7	1.3	50	0	87	56	140	45.51	4.2(40)	
Benzene	46.8	1.3	50	0	94	67	134	47.4	1.2(21)	
Trichloroethene	44.1	2.5	50	0	88	68	138	46.6	5.6(20)	
Toluene	44.6	1.3	50	0	89	38	130	46.54	4.3(20)	
Chlorobenzene	41.6	2.5	50	0	83	70	130	43.53	4.5(20)	
Ethylbenzene	41.9	1.3	50	0	84	70	130	45.27	7.7(20)	
m,p-Xylene	36.2	1.3	50	0	72	65	139	39.42	8.6(20)	
o-Xylene	39.9	1.3	50	0	80	69	130	42.07	5.2(20)	
Surr: 1,2-Dichloroethane-d4	48.3		50		97	70	130			
Surr: Toluene-d8	48.4		50		97	70	130			
Surr: 4-Bromofluorobenzene	53.1		50		106	70	130			

Comments:

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

Alpha Analytical, Inc.

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

Date: 17-Aug-15

QC Summary Report

Work Order: 15071641

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**
File ID: **15071906.D** Batch ID: **MS09A0719A** Analysis Date: **07/19/2015 15:03**
Sample ID: **MBLK MS09A0719A** Units : **mg/m³** Run ID: **MSD_09_150719A** Prep Date: **07/19/2015 15:03**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	0.4								
Vinyl chloride	ND	0.2								
Chloroethane	ND	0.2								
Bromomethane	ND	0.4								
Trichlorofluoromethane	ND	0.2								
1,1-Dichloroethene	ND	0.2								
Tertiary Butyl Alcohol (TBA)	ND	5								
Dichloromethane	ND	0.4								
trans-1,2-Dichloroethene	ND	0.2								
Methyl tert-butyl ether (MTBE)	ND	0.1								
1,1-Dichloroethane	ND	0.2								
Di-isopropyl Ether (DIPE)	ND	0.2								
cis-1,2-Dichloroethene	ND	0.2								
Chloroform	ND	0.2								
Ethyl Tertiary Butyl Ether (ETBE)	ND	0.2								
1,2-Dichloroethane	ND	0.2								
1,1,1-Trichloroethane	ND	0.2								
Carbon tetrachloride	ND	0.2								
Benzene	ND	0.1								
Tertiary Amyl Methyl Ether (TAME)	ND	0.2								
1,2-Dichloropropane	ND	0.2								
Trichloroethene	ND	0.2								
Bromodichloromethane	ND	0.2								
cis-1,3-Dichloropropene	ND	0.2								
trans-1,3-Dichloropropene	ND	0.2								
1,1,2-Trichloroethane	ND	0.2								
Toluene	ND	0.1								
Dibromochloromethane	ND	0.2								
1,2-Dibromoethane (EDB)	ND	0.4								
Tetrachloroethene	ND	0.2								
Chlorobenzene	ND	0.2								
Ethylbenzene	ND	0.1								
m,p-Xylene	ND	0.1								
Bromoform	ND	0.2								
o-Xylene	ND	0.1								
1,1,2,2-Tetrachloroethane	ND	0.2								
n-Propylbenzene	ND	0.2								
1,2,4-Trimethylbenzene	ND	0.2								
1,3-Dichlorobenzene	ND	0.2								
1,4-Dichlorobenzene	ND	0.2								
1,2-Dichlorobenzene	ND	0.2								
Surr: 1,2-Dichloroethane-d4	1.89		2		95	70	130			
Surr: Toluene-d8	2.08		2		104	70	130			
Surr: 4-Bromofluorobenzene	2.02		2		101	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**
File ID: **15071902.D** Batch ID: **MS09A0719A** Analysis Date: **07/19/2015 13:26**
Sample ID: **LCS MS09A0719A** Units : **mg/m³** Run ID: **MSD_09_150719A** Prep Date: **07/19/2015 13:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9	0.2	10		90	70	130			
Methyl tert-butyl ether (MTBE)	8.57	0.1	10		86	63	137			
Benzene	9.21	0.1	10		92	70	130			
Trichloroethene	9.21	0.2	10		92	68	138			
Toluene	9.1	0.1	10		91	70	130			
Chlorobenzene	9.24	0.2	10		92	70	130			
Ethylbenzene	9.39	0.1	10		94	70	130			
m,p-Xylene	8.31	0.1	10		83	65	139			
o-Xylene	8.8	0.1	10		88	70	130			
Surr: 1,2-Dichloroethane-d4	9.15		10		92	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	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-Aug-15*

QC Summary Report

Work Order: 15071641

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 : STR15071641

Report Due By : 5:00 PM On : 23-Jul-15

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

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

EDD Required : **Yes**

Sampled by : C. Hill

PO :

Client's COC # : 04309 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
2 °C	16-Jul-15	14-Aug-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_A	TPH/P_W	VOC_A	VOC_W					Sample Remarks
STR15071641-01A	Grim A SYS INF	AR	07/15/15 09:25	1	0	5	GAS-N/C		8260/OXYS/ EDB_S						Tedlar
STR15071641-02A	Grim A EFF	AR	07/15/15 09:30	1	0	5	GAS-N/C		8260/OXYS/ EDB_S						Tedlar.
STR15071641-03A	Grim W INF	AQ	07/15/15 09:17	6	0	5		GAS-C		8260/OXYS/ EDB/Naph_C s					
STR15071641-04A	Grim W GAC1	AQ	07/15/15 08:45	6	0	5		GAS-C		8260/OXYS/ EDB/Naph_C s					
STR15071641-05A	Grim W EFF	AQ	07/15/15 08:40	6	0	5		GAS-C		8260/OXYS/ EDB/Naph_C s					

Comments: Security seals intact. Frozen ice. Standard TAT per Scott. Amended on 8/14/15 to add n-Propylbenzene and 1,2,4-Trimethylbenzene to samples -01A and -02A per Debra. JA :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	8/14/15 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 :

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 : STR15071641

Report Due By : 5:00 PM On : 23-Jul-15

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

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

EDD Required : **Yes**

Sampled by : C. Hill

PO :

Client's COC # : 04309 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
2 °C	16-Jul-15	16-Jul-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_A	TPH/P_W	VOC_A	VOC_W					Sample Remarks
STR15071641-01A	Grim A SYS INF	AR	07/15/15 09:25	1	0	5	GAS-N/C		8260/OXYS/ EDB_S						Tedlar
STR15071641-02A	Grim A EFF	AR	07/15/15 09:30	1	0	5	GAS-N/C		8260/OXYS/ EDB_S						Tedlar.
STR15071641-03A	Grim W INF	AQ	07/15/15 09:17	6	0	5		GAS-C		8260/OXYS/ EDB/Naph_C s					
STR15071641-04A	Grim W GAC1	AQ	07/15/15 08:45	6	0	5		GAS-C		8260/OXYS/ EDB/Naph_C s					
STR15071641-05A	Grim W EFF	AQ	07/15/15 08:40	6	0	5		GAS-C		8260/OXYS/ EDB/Naph_C s					

Comments: Security seals intact. Frozen ice. Standard TAT per Scott. :

	Signature	Print Name	Company	Date/Time
Logged in by:	[signature]	JESSICA ALVARADO.	Alpha Analytical, Inc.	7/16/15 950

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: Scott
Address: 3336 Empresa Pkwy
City, State, Zip: Cameron Park
Phone Number: _____ Fax: _____

Alpha Analytical, Inc.

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

Satellite Service Centers:

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

04309

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: _____
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	Chlorobenzene			Remarks
0925	7/13	AQ	STF150711041-01A	Grim IN Sys INF		1		X	X	X	X		X	X	X	X			
0930	"	AQ	-02A	Grim IN EFF		1		X	X	X	X		X	X	X	X			
0917	7/13	AQ	-03A	Grim W INF		6		X	X	X	X	X	X	X	X				
0845	"	"	-04A	Grim W GAC1		6		X	X	X	X	X	X	X	X				
0840	"	"	-05A	Grim W EFF		6		X	X	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: B Hill

	Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
1	B Hill Stantec	7/15/15	1305	Melissa T	7-15-15	1315
2					7/16/15	940
3						

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

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

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 : 08/11/15

Job: Grimit Auto

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

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim A SYS INF**					
Lab ID :	STR15081141-01A	TPH-P (GRO)	32	20 mg/m³	08/11/15 10:35	08/13/15
Date Sampled	08/10/15 10:15					
Client ID :	**Grim W INF**					
Lab ID :	STR15081141-02A	TPH-P (GRO)	7,600	1,000 µg/L	08/13/15	08/13/15
Date Sampled	08/10/15 10:05					
Client ID :	**Grim W GAC1**					
Lab ID :	STR15081141-03A	TPH-P (GRO)	ND	50 µg/L	08/13/15	08/13/15
Date Sampled	08/10/15 07:40					

Gasoline Range Organics (GRO) C4-C13
Note: For sample -01A concentrations of air in a Tedlar Bag are at 23 degrees Celsius and 25.57 inches of mercury.
ND = Not Detected
Reported in micrograms per Liter, per client request.

ACCLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner

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

8/18/15
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: STR15081141-01A
Client I.D. Number: Grim A SYS INF

Sampled: 08/10/15 10:15
Received: 08/11/15
Extracted: 08/11/15 10:35
Analyzed: 08/13/15

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	0.80 mg/m³
2	Vinyl chloride	ND	0.40 mg/m³
3	Chloroethane	ND	0.40 mg/m³
4	Bromomethane	ND	0.80 mg/m³
5	Trichlorofluoromethane	ND	0.40 mg/m³
6	1,1-Dichloroethene	ND	0.40 mg/m³
7	Tertiary Butyl Alcohol (TBA)	ND	10 mg/m³
8	Dichloromethane	ND	0.80 mg/m³
9	trans-1,2-Dichloroethene	ND	0.40 mg/m³
10	Methyl tert-butyl ether (MTBE)	ND	0.20 mg/m³
11	1,1-Dichloroethane	ND	0.40 mg/m³
12	Di-isopropyl Ether (DIPE)	ND	0.40 mg/m³
13	cis-1,2-Dichloroethene	ND	0.40 mg/m³
14	Chloroform	ND	0.40 mg/m³
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	0.40 mg/m³
16	1,2-Dichloroethane	ND	0.40 mg/m³
17	1,1,1-Trichloroethane	ND	0.40 mg/m³
18	Carbon tetrachloride	ND	0.40 mg/m³
19	Benzene	ND	0.20 mg/m³
20	Tertiary Amyl Methyl Ether (TAME)	ND	0.40 mg/m³
21	1,2-Dichloropropane	ND	0.40 mg/m³
22	Trichloroethene	ND	0.40 mg/m³
23	Bromodichloromethane	ND	0.40 mg/m³
24	cis-1,3-Dichloropropene	ND	0.40 mg/m³
25	trans-1,3-Dichloropropene	ND	0.40 mg/m³
26	1,1,2-Trichloroethane	ND	0.40 mg/m³
27	Toluene	ND	0.20 mg/m³
28	Dibromochloromethane	ND	0.40 mg/m³
29	1,2-Dibromoethane (EDB)	ND	0.80 mg/m³
30	Tetrachloroethene	ND	0.40 mg/m³
31	Chlorobenzene	ND	0.40 mg/m³
32	Ethylbenzene	0.26	0.20 mg/m³
33	m,p-Xylene	0.83	0.20 mg/m³
34	Bromoform	ND	0.40 mg/m³
35	o-Xylene	ND	0.20 mg/m³
36	1,1,2,2-Tetrachloroethane	ND	0.40 mg/m³
37	n-Propylbenzene	ND	0.40 mg/m³
38	1,2,4-Trimethylbenzene	ND	0.40 mg/m³
39	1,3-Dichlorobenzene	ND	0.40 mg/m³
40	1,4-Dichlorobenzene	ND	0.40 mg/m³
41	1,2-Dichlorobenzene	ND	0.40 mg/m³

Note: Concentrations of air in Tedlar Bags are at 23 degrees Celsius and 25.57 inches of mercury.

ND = Not Detected

Roger Scholl Randy Gardner

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

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

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8/18/15
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: STR15081141-02A
Client I.D. Number: Grim W INF

Sampled: 08/10/15 10:05
Received: 08/11/15
Extracted: 08/13/15
Analyzed: 08/13/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/L
2	Vinyl chloride	ND	10 µg/L
3	Chloroethane	ND	10 µg/L
4	Bromomethane	ND	40 µg/L
5	Trichlorofluoromethane	ND	10 µg/L
6	1,1-Dichloroethene	ND	10 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	100 µg/L
8	Dichloromethane	ND	40 µg/L
9	trans-1,2-Dichloroethene	ND	10 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/L
11	1,1-Dichloroethane	ND	10 µg/L
12	Di-isopropyl Ether (DIPE)	ND	10 µg/L
13	cis-1,2-Dichloroethene	ND	10 µg/L
14	Chloroform	ND	10 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	10 µg/L
16	1,2-Dichloroethane	ND	10 µg/L
17	1,1,1-Trichloroethane	ND	10 µg/L
18	Carbon tetrachloride	ND	10 µg/L
19	Benzene	ND	5.0 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	10 µg/L
21	1,2-Dichloropropane	ND	10 µg/L
22	Trichloroethene	ND	10 µg/L
23	Bromodichloromethane	ND	10 µg/L
24	cis-1,3-Dichloropropene	ND	10 µg/L
25	trans-1,3-Dichloropropene	ND	10 µg/L
26	1,1,2-Trichloroethane	ND	10 µg/L
27	Toluene	ND	5.0 µg/L
28	Dibromochloromethane	ND	10 µg/L
29	1,2-Dibromoethane (EDB)	ND	20 µg/L
30	Tetrachloroethene	ND	10 µg/L
31	Chlorobenzene	ND	10 µg/L
32	Ethylbenzene	13	5.0 µg/L
33	m,p-Xylene	67	5.0 µg/L
34	Bromoform	ND	10 µg/L
35	o-Xylene	24	5.0 µg/L
36	1,1,2,2-Tetrachloroethane	ND	10 µg/L
37	1,3-Dichlorobenzene	ND	10 µg/L
38	1,4-Dichlorobenzene	ND	10 µg/L
39	1,2-Dichlorobenzene	ND	10 µg/L
40	Naphthalene	ND	40 µg/L

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

ND = Not Detected

Roger Scholl Randy Gardner

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

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8/18/15
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: STR15081141-03A
Client I.D. Number: Grim W GAC1

Sampled: 08/10/15 07:40
Received: 08/11/15
Extracted: 08/13/15
Analyzed: 08/13/15

Volatile Organics by GC/MS
EPA Method 624/8260

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

ND = Not Detected

Roger Scholl Randy Gardner

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

8/18/15
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: STR15081141 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15081141-02A	Grim W INF	Aqueous	2
15081141-03A	Grim W GAC1	Aqueous	2

8/18/15

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-Aug-15*

QC Summary Report

Work Order: 15081141

Method Blank

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

File ID: **15081305.D** Batch ID: **MS09W0813B** Analysis Date: **08/13/2015 10:30**

Sample ID: **MBLK MS09W0813B** Units : µg/L Run ID: **MSD_09_150813A** Prep Date: **08/13/2015 10:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	7.01		10		70	70	130			
Surr: Toluene-d8	11.9		10		119	70	130			
Surr: 4-Bromofluorobenzene	11.4		10		114	70	130			

Laboratory Control Spike

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

File ID: **15081304.D** Batch ID: **MS09W0813B** Analysis Date: **08/13/2015 09:53**

Sample ID: **GLCS MS09W0813B** Units : µg/L Run ID: **MSD_09_150813A** Prep Date: **08/13/2015 09:53**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	420	50	400		105	70	130			
Surr: 1,2-Dichloroethane-d4	6.63		10		66	70	130			S54
Surr: Toluene-d8	11.7		10		117	70	130			
Surr: 4-Bromofluorobenzene	11.4		10		114	70	130			

Sample Matrix Spike

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

File ID: **15081327.D** Batch ID: **MS09W0813B** Analysis Date: **08/13/2015 19:25**

Sample ID: **15081243-01AGS** Units : µg/L Run ID: **MSD_09_150813A** Prep Date: **08/13/2015 19:25**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1170	250	2000	0	58	54	143			
Surr: 1,2-Dichloroethane-d4	40		50		80	70	130			
Surr: Toluene-d8	56.1		50		112	70	130			
Surr: 4-Bromofluorobenzene	53.7		50		107	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15081328.D** Batch ID: **MS09W0813B** Analysis Date: **08/13/2015 19:49**

Sample ID: **15081243-01AGSD** Units : µg/L Run ID: **MSD_09_150813A** Prep Date: **08/13/2015 19:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1120	250	2000	0	56	54	143	1165	3.7(23)	
Surr: 1,2-Dichloroethane-d4	39.8		50		80	70	130			
Surr: Toluene-d8	56.5		50		113	70	130			
Surr: 4-Bromofluorobenzene	55.4		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.

S54 = Surrogate recovery was below laboratory acceptance limits.

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-Aug-15*

QC Summary Report

Work Order: 15081141

Method Blank

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

File ID: **15081307.D** Batch ID: **MS15A0813A** Analysis Date: **08/13/2015 13:16**

Sample ID: **MBLK MS15A0813A** Units : **mg/m³** Run ID: **MSD_15_150813A** Prep Date: **08/13/2015 13:16**

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

Laboratory Control Spike

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

File ID: **15081302.D** Batch ID: **MS15A0813A** Analysis Date: **08/13/2015 10:48**

Sample ID: **LCS MS15A0813A** Units : **mg/m³** Run ID: **MSD_15_150813A** Prep Date: **08/13/2015 10:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	8.97	0.2	10		90	70	130			
Methyl tert-butyl ether (MTBE)	6.82	0.1	10		68	63	137			
Benzene	8.66	0.1	10		87	70	130			
Trichloroethene	8.94	0.2	10		89	68	138			
Toluene	9.25	0.1	10		93	70	130			
Chlorobenzene	9.53	0.2	10		95	70	130			
Ethylbenzene	9.05	0.1	10		91	70	130			
m,p-Xylene	9.19	0.1	10		92	65	139			
o-Xylene	8.92	0.1	10		89	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-Aug-15*

QC Summary Report

Work Order: 15081141

Comments:

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

Alpha Analytical, Inc.

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

Date: *17-Aug-15*

QC Summary Report

Work Order: 15081141

Method Blank

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

File ID: **15081305.D** Batch ID: **MS09W0813A** Analysis Date: **08/13/2015 10:30**

Sample ID: **MBLK MS09W0813A** Units : µg/L Run ID: **MSD_09_150813A** Prep Date: **08/13/2015 10:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
1,2-Dibromoethane (EDB)	ND	2								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND	1								
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	7.01		10		70	70	130			
Surr: Toluene-d8	11.9		10		119	70	130			
Surr: 4-Bromofluorobenzene	11.4		10		114	70	130			

Laboratory Control Spike

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

File ID: **15081302.D** Batch ID: **MS09W0813A** Analysis Date: **08/13/2015 08:39**

Sample ID: **LCS MS09W0813A** Units : µg/L Run ID: **MSD_09_150813A** Prep Date: **08/13/2015 08:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.47	1	10		95	70	130			
Methyl tert-butyl ether (MTBE)	8.46	0.5	10		85	63	137			
Benzene	9.69	0.5	10		97	70	130			
Trichloroethene	8.89	1	10		89	68	138			
Toluene	9.34	0.5	10		93	70	130			
Chlorobenzene	9.71	1	10		97	70	130			
Ethylbenzene	9.04	0.5	10		90	70	130			
m,p-Xylene	8.69	0.5	10		87	65	139			
o-Xylene	9.26	0.5	10		93	70	130			
Surr: 1,2-Dichloroethane-d4	7.49		10		75	70	130			
Surr: Toluene-d8	11.4		10		114	70	130			
Surr: 4-Bromofluorobenzene	10.5		10		105	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-Aug-15

QC Summary Report

Work Order: 15081141

Sample Matrix Spike

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

File ID: **15081326.D** Batch ID: **MS09W0813A** Analysis Date: **08/13/2015 18:37**

Sample ID: **15081243-01AMS** Units : µg/L Run ID: **MSD_09_150813A** Prep Date: **08/13/2015 18:37**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	44.2	2.5	50	0	88	62	133			
Methyl tert-butyl ether (MTBE)	44.1	1.3	50	0	88	56	140			
Benzene	46.4	1.3	50	0	93	67	134			
Trichloroethene	42.5	2.5	50	0	85	68	138			
Toluene	45.3	1.3	50	0	91	38	130			
Chlorobenzene	45	2.5	50	0	90	70	130			
Ethylbenzene	42.3	1.3	50	0	85	70	130			
m,p-Xylene	39.7	1.3	50	0	79	65	139			
o-Xylene	43.1	1.3	50	0	86	69	130			
Surr: 1,2-Dichloroethane-d4	43.2		50		86	70	130			
Surr: Toluene-d8	53.6		50		107	70	130			
Surr: 4-Bromofluorobenzene	52.4		50		105	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15081406.D** Batch ID: **MS09W0813A** Analysis Date: **08/14/2015 12:16**

Sample ID: **15081243-01AMSD** Units : µg/L Run ID: **MSD_09_150813A** Prep Date: **08/14/2015 12:16**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	53.7	2.5	50	0	107	62	133	44.15	19.5(35)	
Methyl tert-butyl ether (MTBE)	47.5	1.3	50	0	95	56	140	44.12	7.4(40)	
Benzene	53	1.3	50	0	106	67	134	46.37	13.4(21)	
Trichloroethene	49.9	2.5	50	0	99.7	68	138	42.51	15.9(20)	
Toluene	52.7	1.3	50	0	105	38	130	45.28	15.1(20)	
Chlorobenzene	50.7	2.5	50	0	101	70	130	44.95	12.0(20)	
Ethylbenzene	48.1	1.3	50	0	96	70	130	42.32	12.8(20)	
m,p-Xylene	46.8	1.3	50	0	94	65	139	39.65	16.6(20)	
o-Xylene	50.3	1.3	50	0	101	69	130	43.06	15.6(20)	
Surr: 1,2-Dichloroethane-d4	41.5		50		83	70	130			
Surr: Toluene-d8	55.2		50		110	70	130			
Surr: 4-Bromofluorobenzene	54.2		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.

Billing Information :

CHAIN-OF-CUSTODY RECORD AMENDED CA

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

WorkOrder : STR15081141
Report Due By : 5:00 PM On : 18-Aug-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 # : 04322 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	11-Aug-15	14-Aug-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_A	TPH/P_W	VOC_A	VOC_W					Sample Remarks
STR15081141-01A	Grim A SYS INF	AR	08/10/15 10:15	1	0	5	GAS-N/C		8260/OXYS/ EDB_S						Tedlar.
STR15081141-02A	Grim W INF	AQ	08/10/15 10:05	6	0	5		GAS-C		8260/OXYS/ EDB/Naph_C s					
STR15081141-03A	Grim W GAC1	AQ	08/10/15 07:40	6	0	5		GAS-C		8260/OXYS/ EDB/Naph_C s					

Comments: Security seals intact. Frozen ice. Chain split due to different TATs. Amended on 8/14/15 to add n-Propylbenzene and 1,2,4-Trimethylbenzene to sample -01A per Debra. JA :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	8/14/15 1045

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 : STR15081141

Report Due By : 5:00 PM On : 18-Aug-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 # : 04322 Job : Grimit Auto

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

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_A	TPH/P_W	VOC_A	VOC_W					Sample Remarks
STR15081141-01A	Grim A SYS INF	AR	08/10/15 10:15	1	0	5	GAS-N/C		8260/OXYS/ EDB_S						Tedlar.
STR15081141-02A	Grim W INF	AQ	08/10/15 10:05	6	0	5		GAS-C		8260/OXYS/ EDB/Naph_C s					
STR15081141-03A	Grim W GAC1	AQ	08/10/15 07:40	6	0	5		GAS-C		8260/OXYS/ EDB/Naph_C s					

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

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO.	Alpha Analytical, Inc.	8/11/15 1015

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

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

Billing Information:

Company: Stantec
Attn: Debra K
Address: 3321 Cumberland Pkwy
City, State, Zip: Cumberland RI
Phone Number: _____ Fax: _____

Alpha Analytical, Inc.

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

Satellite Service Centers:

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

04322

Page # 1 of 1

Consultant/ Client Info:

Company: Stantec
Address: _____
City, State, Zip: _____

Job and Purchase Order Info:

Job #
Job Name: Grimm Auto
P.O. #: _____

Report Attention/Project Manager:

Name: Steve
Email Address: _____
Phone #: _____
Cell #: _____

QC Deliverable Info:

EDD Required? Yes / No
EDF Required? Yes / No
Global ID: _____
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	PCE TCE VOC's	Vinylchloride	Chloro benzene	Remarks
1015	8/10 15			Grim A Sys Inf	STD	1		X	X	X	X		X	X	X	
0800	\			Grim A Eff	24	1		X	X	X	X		X	X	X	
1005	8/10 15			Grim W Inf	STD	6		X	X	X	X	X	X	X		
0740	\			Grim W Bet	STD	6		X	X	X	X	X	X	X		
0735	\			Grim W Eff	24	6		X	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: CHLC

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Stantec	8/10/15	1321	Melyssa T	8-10-15	1321
				8/11/15	1000

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

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

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 : 08/11/15

Job: Grimit Auto

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

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim A EFF**					
Lab ID :	STR15081140-01A	TPH-P (GRO)	ND	15 mg/m³	08/11/15 10:10	08/11/15
Date Sampled	08/10/15 08:00					
Client ID :	**Grim W EFF**					
Lab ID :	STR15081140-02A	TPH-P (GRO)	ND	50 µg/L	08/11/15	08/11/15
Date Sampled	08/10/15 07:35					

Gasoline Range Organics (GRO) C4-C13

Note: For sample -01A concentrations of air in a Tedlar Bag are at 22 degrees Celsius and 25.57 inches of mercury.

ND = Not Detected

Reported in micrograms per Liter, per client request.

ACCREDITED DoD ELAP

Roger Scholl Randy Gardner

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

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

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

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

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

8/11/15
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: STR15081140-01A
Client I.D. Number: Grim A EFF

Sampled: 08/10/15 08:00
Received: 08/11/15
Extracted: 08/11/15 10:10
Analyzed: 08/11/15

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	0.60 mg/m³
2	Vinyl chloride	ND	0.30 mg/m³
3	Chloroethane	ND	0.30 mg/m³
4	Bromomethane	ND	0.60 mg/m³
5	Trichlorofluoromethane	ND	0.30 mg/m³
6	1,1-Dichloroethene	ND	0.30 mg/m³
7	Tertiary Butyl Alcohol (TBA)	ND	7.5 mg/m³
8	Dichloromethane	ND	0.60 mg/m³
9	trans-1,2-Dichloroethene	ND	0.30 mg/m³
10	Methyl tert-butyl ether (MTBE)	ND	0.15 mg/m³
11	1,1-Dichloroethane	ND	0.30 mg/m³
12	Di-isopropyl Ether (DIPE)	ND	0.30 mg/m³
13	cis-1,2-Dichloroethene	ND	0.30 mg/m³
14	Chloroform	ND	0.30 mg/m³
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	0.30 mg/m³
16	1,2-Dichloroethane	ND	0.30 mg/m³
17	1,1,1-Trichloroethane	ND	0.30 mg/m³
18	Carbon tetrachloride	ND	0.30 mg/m³
19	Benzene	ND	0.15 mg/m³
20	Tertiary Amyl Methyl Ether (TAME)	ND	0.30 mg/m³
21	1,2-Dichloropropane	ND	0.30 mg/m³
22	Trichloroethene	ND	0.30 mg/m³
23	Bromodichloromethane	ND	0.30 mg/m³
24	cis-1,3-Dichloropropene	ND	0.30 mg/m³
25	trans-1,3-Dichloropropene	ND	0.30 mg/m³
26	1,1,2-Trichloroethane	ND	0.30 mg/m³
27	Toluene	ND	0.15 mg/m³
28	Dibromochloromethane	ND	0.30 mg/m³
29	1,2-Dibromoethane (EDB)	ND	0.60 mg/m³
30	Tetrachloroethene	ND	0.30 mg/m³
31	Chlorobenzene	ND	0.30 mg/m³
32	Ethylbenzene	ND	0.15 mg/m³
33	m,p-Xylene	ND	0.15 mg/m³
34	Bromoform	ND	0.30 mg/m³
35	o-Xylene	ND	0.15 mg/m³
36	1,1,2,2-Tetrachloroethane	ND	0.30 mg/m³
37	n-Propylbenzene	ND	0.30 mg/m³
38	1,2,4-Trimethylbenzene	ND	0.30 mg/m³
39	1,3-Dichlorobenzene	ND	0.30 mg/m³
40	1,4-Dichlorobenzene	ND	0.30 mg/m³
41	1,2-Dichlorobenzene	ND	0.30 mg/m³

Note: Concentrations of air in a Tedlar Bag are at 22 degrees Celsius and 25.57 inches of mercury.
This replaces the report signed 8/11/15 due to a change in the analyte list, per client request.

ND = Not Detected

Roger Scholl Randy Gardner

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

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8/18/15
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: STR15081140-02A
Client I.D. Number: Grim W EFF

Sampled: 08/10/15 07:35
Received: 08/11/15
Extracted: 08/11/15
Analyzed: 08/11/15

Volatile Organics by GC/MS
EPA Method 624/8260

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

ND = Not Detected

Roger Scholl Randy Gardner

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

8/11/15
Report Date

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VOC Sample Preservation Report

Work Order: STR15081140 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15081140-02A	Grim W EFF	Aqueous	2

8/11/15

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-Aug-15*

QC Summary Report

Work Order: 15081140

Method Blank

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

File ID: **15081109.D** Batch ID: **MS15A0811B** Analysis Date: **08/11/2015 15:29**

Sample ID: **MBLK MS15A0811B** Units : **mg/m³** Run ID: **MSD_15_150811A** Prep Date: **08/11/2015 15:29**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	10								
Surr: 1,2-Dichloroethane-d4	1.97		2		99	70	130			
Surr: Toluene-d8	2.07		2		104	70	130			
Surr: 4-Bromofluorobenzene	1.8		2		90	70	130			

Laboratory Control Spike

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

File ID: **15081105.D** Batch ID: **MS15A0811B** Analysis Date: **08/11/2015 13:43**

Sample ID: **GLCS MS15A0811B** Units : **mg/m³** Run ID: **MSD_15_150811A** Prep Date: **08/11/2015 13:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	389	10	400		97	70	130			
Surr: 1,2-Dichloroethane-d4	9.36		10		94	70	130			
Surr: Toluene-d8	10.4		10		104	70	130			
Surr: 4-Bromofluorobenzene	9.34		10		93	70	130			

Comments:

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

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Date: 17-Aug-15

QC Summary Report

Work Order: 15081140

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **15081104.D** Batch ID: **MS09W0811B** Analysis Date: **08/11/2015 12:21**
Sample ID: **MBLK MS09W0811B** Units : **µg/L** Run ID: **MSD_09_150811A** Prep Date: **08/11/2015 12:21**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	11.6		10		116	70	130			
Surr: Toluene-d8	10.5		10		105	70	130			
Surr: 4-Bromofluorobenzene	10.8		10		108	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **15081106.D** Batch ID: **MS09W0811B** Analysis Date: **08/11/2015 13:17**
Sample ID: **GLCS MS09W0811B** Units : **µg/L** Run ID: **MSD_09_150811A** Prep Date: **08/11/2015 13:17**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	371	50	400		93	70	130			
Surr: 1,2-Dichloroethane-d4	11.4		10		114	70	130			
Surr: Toluene-d8	9.99		10		99.9	70	130			
Surr: 4-Bromofluorobenzene	11.1		10		111	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **15081118.D** Batch ID: **MS09W0811B** Analysis Date: **08/11/2015 18:41**
Sample ID: **15081140-02AGS** Units : **µg/L** Run ID: **MSD_09_150811A** Prep Date: **08/11/2015 18:41**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1740	250	2000	0	87	54	143			
Surr: 1,2-Dichloroethane-d4	42		50		84	70	130			
Surr: Toluene-d8	56.4		50		113	70	130			
Surr: 4-Bromofluorobenzene	52		50		104	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**
File ID: **15081119.D** Batch ID: **MS09W0811B** Analysis Date: **08/11/2015 19:06**
Sample ID: **15081140-02AGSD** Units : **µg/L** Run ID: **MSD_09_150811A** Prep Date: **08/11/2015 19:06**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2100	250	2000	0	105	54	143	1742	18.7(23)	
Surr: 1,2-Dichloroethane-d4	39.4		50		79	70	130			
Surr: Toluene-d8	56.8		50		114	70	130			
Surr: 4-Bromofluorobenzene	53.4		50		107	70	130			

Comments:

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Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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Date: *17-Aug-15*

QC Summary Report

Work Order: 15081140

Method Blank

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

File ID: **15081109.D** Batch ID: **MS15A0811A** Analysis Date: **08/11/2015 15:29**

Sample ID: **MBLK MS15A0811A** Units : **mg/m³** Run ID: **MSD_15_150811A** Prep Date: **08/11/2015 15:29**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	0.4								
Vinyl chloride	ND	0.2								
Chloroethane	ND	0.2								
Bromomethane	ND	0.4								
Trichlorofluoromethane	ND	0.2								
1,1-Dichloroethene	ND	0.2								
Tertiary Butyl Alcohol (TBA)	ND	5								
Dichloromethane	ND	0.4								
trans-1,2-Dichloroethene	ND	0.2								
Methyl tert-butyl ether (MTBE)	ND	0.1								
1,1-Dichloroethane	ND	0.2								
Di-isopropyl Ether (DIPE)	ND	0.2								
cis-1,2-Dichloroethene	ND	0.2								
Chloroform	ND	0.2								
Ethyl Tertiary Butyl Ether (ETBE)	ND	0.2								
1,2-Dichloroethane	ND	0.2								
1,1,1-Trichloroethane	ND	0.2								
Carbon tetrachloride	ND	0.2								
Benzene	ND	0.1								
Tertiary Amyl Methyl Ether (TAME)	ND	0.2								
1,2-Dichloropropane	ND	0.2								
Trichloroethene	ND	0.2								
Bromodichloromethane	ND	0.2								
cis-1,3-Dichloropropene	ND	0.2								
trans-1,3-Dichloropropene	ND	0.2								
1,1,2-Trichloroethane	ND	0.2								
Toluene	ND	0.1								
Dibromochloromethane	ND	0.2								
1,2-Dibromoethane (EDB)	ND	0.4								
Tetrachloroethene	ND	0.2								
Chlorobenzene	ND	0.2								
Ethylbenzene	ND	0.1								
m,p-Xylene	ND	0.1								
Bromoform	ND	0.2								
o-Xylene	ND	0.1								
1,1,2,2-Tetrachloroethane	ND	0.2								
n-Propylbenzene	ND	0.2								
1,2,4-Trimethylbenzene	ND	0.2								
1,3-Dichlorobenzene	ND	0.2								
1,4-Dichlorobenzene	ND	0.2								
1,2-Dichlorobenzene	ND	0.2								
Surr: 1,2-Dichloroethane-d4	1.97		2		99	70	130			
Surr: Toluene-d8	2.07		2		104	70	130			
Surr: 4-Bromofluorobenzene	1.8		2		90	70	130			

Laboratory Control Spike

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

File ID: **15081103.D** Batch ID: **MS15A0811A** Analysis Date: **08/11/2015 12:43**

Sample ID: **LCS MS15A0811A** Units : **mg/m³** Run ID: **MSD_15_150811A** Prep Date: **08/11/2015 12:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	8.7	0.2	10		87	70	130			
Methyl tert-butyl ether (MTBE)	9.2	0.1	10		92	63	137			
Benzene	8.73	0.1	10		87	70	130			
Trichloroethene	9.44	0.2	10		94	68	138			
Toluene	9.43	0.1	10		94	70	130			
Chlorobenzene	10.3	0.2	10		103	70	130			
Ethylbenzene	8.82	0.1	10		88	70	130			
m,p-Xylene	9.64	0.1	10		96	65	139			
o-Xylene	9.61	0.1	10		96	70	130			
Surr: 1,2-Dichloroethane-d4	10.1		10		101	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	8.81		10		88	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-Aug-15*

QC Summary Report

Work Order: 15081140

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.

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

Date: *17-Aug-15*

QC Summary Report

Work Order: 15081140

Method Blank

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

File ID: **15081104.D** Batch ID: **MS09W0811A** Analysis Date: **08/11/2015 12:21**

Sample ID: **MBLK MS09W0811A** Units : **µg/L** Run ID: **MSD_09_150811A** Prep Date: **08/11/2015 12:21**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
1,2-Dibromoethane (EDB)	ND	2								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND	1								
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	11.6		10		116	70	130			
Surr: Toluene-d8	10.5		10		105	70	130			
Surr: 4-Bromofluorobenzene	10.8		10		108	70	130			

Laboratory Control Spike

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

File ID: **15081105.D** Batch ID: **MS09W0811A** Analysis Date: **08/11/2015 12:52**

Sample ID: **LCS MS09W0811A** Units : **µg/L** Run ID: **MSD_09_150811A** Prep Date: **08/11/2015 12:52**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	8.82	1	10		88	70	130			
Methyl tert-butyl ether (MTBE)	8.22	0.5	10		82	63	137			
Benzene	9.24	0.5	10		92	70	130			
Trichloroethene	8.5	1	10		85	68	138			
Toluene	9.38	0.5	10		94	70	130			
Chlorobenzene	9.15	1	10		92	70	130			
Ethylbenzene	8.8	0.5	10		88	70	130			
m,p-Xylene	8.35	0.5	10		84	65	139			
o-Xylene	8.93	0.5	10		89	70	130			
Surr: 1,2-Dichloroethane-d4	11.2		10		112	70	130			
Surr: Toluene-d8	9.88		10		99	70	130			
Surr: 4-Bromofluorobenzene	11.2		10		112	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-Aug-15*

QC Summary Report

Work Order: 15081140

Sample Matrix Spike

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

File ID: **15081211.D** Batch ID: **MS09W0811A** Analysis Date: **08/12/2015 15:38**

Sample ID: **15081140-02AMS** Units : **µg/L** Run ID: **MSD_09_150811A** Prep Date: **08/12/2015 15:38**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	43.9	2.5	50	0	88	62	133			
Methyl tert-butyl ether (MTBE)	39.1	1.3	50	0	78	56	140			
Benzene	44.9	1.3	50	0	90	67	134			
Trichloroethene	42.8	2.5	50	0	86	68	138			
Toluene	43.3	1.3	50	0	87	38	130			
Chlorobenzene	46.3	2.5	50	0	93	70	130			
Ethylbenzene	43.1	1.3	50	0	86	70	130			
m,p-Xylene	41.6	1.3	50	0	83	65	139			
o-Xylene	45	1.3	50	0	90	69	130			
Surr: 1,2-Dichloroethane-d4	36.6		50		73	70	130			
Surr: Toluene-d8	56.6		50		113	70	130			
Surr: 4-Bromofluorobenzene	52.3		50		105	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15081117.D** Batch ID: **MS09W0811A** Analysis Date: **08/11/2015 18:16**

Sample ID: **15081140-02AMSD** Units : **µg/L** Run ID: **MSD_09_150811A** Prep Date: **08/11/2015 18:16**

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	43.92	13.9(35)	
Methyl tert-butyl ether (MTBE)	54.3	1.3	50	0	109	56	140	39.13	32.5(40)	
Benzene	54.2	1.3	50	0	108	67	134	44.9	18.8(21)	
Trichloroethene	48.2	2.5	50	0	96	68	138	42.79	11.9(20)	
Toluene	52.6	1.3	50	0	105	38	130	43.3	19.4(20)	
Chlorobenzene	54.4	2.5	50	0	109	70	130	46.33	16.1(20)	
Ethylbenzene	49.6	1.3	50	0	99	70	130	43.05	14.2(20)	
m,p-Xylene	47	1.3	50	0	94	65	139	41.64	12.1(20)	
o-Xylene	52.2	1.3	50	0	104	69	130	45.01	14.7(20)	
Surr: 1,2-Dichloroethane-d4	41.2		50		82	70	130			
Surr: Toluene-d8	55.2		50		110	70	130			
Surr: 4-Bromofluorobenzene	51.9		50		104	70	130			

Comments:

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

AMENDED CA RUSH

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

WorkOrder : STR15081140

Report Due By : 5:00 PM On : 11-Aug-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 # : 04322 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	11-Aug-15	14-Aug-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_A	TPH/P_W	VOC_A	VOC_W					Sample Remarks
STR15081140-01A	Grim A EFF	AR	08/10/15 08:00	1	0	0	GAS-N/C		8260/OXYS/ EDB_S						Tedlar.
STR15081140-02A	Grim W EFF	AQ	08/10/15 07:35	6	0	0		GAS-C		8260/OXYS/ EDB/Naph_C s					

Comments: ASAP TAT. Security seals intact. Frozen ice. Chain split due to different TATs. Amended on 8/14/15 to add n-Propylbenzene and 1,2,4-Trimethylbenzene to sample -01A per Debra. JA :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	8/14/15 1045

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 : STR15081140
Report Due By : 5:00 PM On : 11-Aug-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 # : 04322 Job : Grimit Auto

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

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_A	TPH/P_W	VOC_A	VOC_W					Sample Remarks
STR15081140-01A	Grim A EFF	AR	08/10/15 08:00	1	0	0	GAS-N/C		8260/OXYS/ EDB_S						Tedlar.
STR15081140-02A	Grim W EFF	AQ	08/10/15 07:35	6	0	0		GAS-C		8260/OXYS/ EDB/Naph_C s					

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

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO.	**Alpha Analytical, Inc.**	8/11/15 0950

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: ______ Fax: ______

Alpha Analytical, Inc.

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

Satellite Service Centers:

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

04322

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:
Data Validation Packages: III or IV

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

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	GRO	BTEX	MTBE	1,2 DCA Napthalene	VOCs PCE TCE	Vinylchloride	Chlorobenzene				Remarks
1015	8/10/15			Grim A Sys INF	STD	1		X	X	X	X		X	X	X				
0800	〃		STR15081140-01A	Grim A EFF	24	1		X	X	X	X		X	X	X				
1005	8/10/15			Grim W INF	STD	6		X	X	X	X	X	X	X					
0740	〃			Grim W Btwl	STD	6		X	X	X	X	X	X	X					
0735	〃		STR15081140-02A	Grim W EFF	24	6		X	X	X	X	X	X	X					

ADDITIONAL INSTRUCTIONS:

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

Sampled By: [signature]

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] Stratus	8/10/15	1321	Melyssa T	8-10-15	1321
			[signature]	8/11/15	940

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

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

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 : 09/02/15

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 :	STR15090250-01A	TPH-P (GRO)	ND	50 µg/L	09/04/15	09/04/15
Date Sampled	09/01/15 06:36					
Client ID :	**Grim W GAC1**					
Lab ID :	STR15090250-02A	TPH-P (GRO)	ND	50 µg/L	09/04/15	09/04/15
Date Sampled	09/01/15 06:33					
Client ID :	**Grim A SYS INF**					
Lab ID :	STR15090250-03A	TPH-P (GRO)	65	20 mg/m³	09/02/15 16:05	09/08/15
Date Sampled	09/01/15 06:51					

Gasoline Range Organics (GRO) C4-C13

Note: For sample -03A concentrations of air in a Tedlar Bag are at 28 degrees Celsius and 25.47 inches of mercury.

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

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner

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

9/10/15
Report Date

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

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

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

Alpha Analytical Number: STR15090250-01A
Client I.D. Number: Grim W INF

Sampled: 09/01/15 06:36
Received: 09/02/15
Extracted: 09/04/15
Analyzed: 09/04/15

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit		Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L	26	1,1,2-Trichloroethane	ND	1.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L	27	Toluene	ND	0.50 µg/L
3	Chloroethane	ND	1.0 µg/L	28	Dibromochloromethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L	29	1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L	30	Tetrachloroethene	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L	31	Chlorobenzene	ND	1.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	32	Ethylbenzene	ND	0.50 µg/L
8	Dichloromethane	ND	2.0 µg/L	33	m,p-Xylene	1.3	0.50 µg/L
9	trans-1,2-Dichloroethene	ND	1.0 µg/L	34	Bromoform	ND	1.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	35	o-Xylene	0.51	0.50 µg/L
11	1,1-Dichloroethane	ND	1.0 µg/L	36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	37	1,3-Dichlorobenzene	ND	1.0 µg/L
13	cis-1,2-Dichloroethene	ND	1.0 µg/L	38	1,4-Dichlorobenzene	ND	1.0 µg/L
14	Chloroform	ND	1.0 µg/L	39	1,2-Dichlorobenzene	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	40	Naphthalene	ND	2.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L				
17	1,1,1-Trichloroethane	ND	1.0 µg/L				
18	Carbon tetrachloride	ND	1.0 µg/L				
19	Benzene	ND	0.50 µg/L				
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L				
21	1,2-Dichloropropane	ND	1.0 µg/L				
22	Trichloroethene	ND	1.0 µg/L				
23	Bromodichloromethane	ND	1.0 µg/L				
24	cis-1,3-Dichloropropene	ND	1.0 µg/L				
25	trans-1,3-Dichloropropene	ND	1.0 µg/L				

ND = Not Detected

Roger Scholl Randy Gardner

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

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

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9/10/15
Report Date

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

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

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

Alpha Analytical Number: STR15090250-02A
Client I.D. Number: Grim W GAC1

Sampled: 09/01/15 06:33
Received: 09/02/15
Extracted: 09/04/15
Analyzed: 09/04/15

Volatile Organics by GC/MS
EPA Method 624/8260

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

ND = Not Detected

Roger Scholl Randy Gardner

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

9/10/15
Report Date

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

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

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

Alpha Analytical Number: STR15090250-03A
Client I.D. Number: Grim A SYS INF

Sampled: 09/01/15 06:51
Received: 09/02/15
Extracted: 09/02/15 16:05
Analyzed: 09/08/15

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	0.80 mg/m³
2	Vinyl chloride	ND	0.40 mg/m³
3	Chloroethane	ND	0.40 mg/m³
4	Bromomethane	ND	0.80 mg/m³
5	Trichlorofluoromethane	ND	0.40 mg/m³
6	1,1-Dichloroethene	ND	0.40 mg/m³
7	Tertiary Butyl Alcohol (TBA)	ND	10 mg/m³
8	Dichloromethane	ND	0.80 mg/m³
9	trans-1,2-Dichloroethene	ND	0.40 mg/m³
10	Methyl tert-butyl ether (MTBE)	ND	0.20 mg/m³
11	1,1-Dichloroethane	ND	0.40 mg/m³
12	Di-isopropyl Ether (DIPE)	ND	0.40 mg/m³
13	cis-1,2-Dichloroethene	ND	0.40 mg/m³
14	Chloroform	ND	0.40 mg/m³
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	0.40 mg/m³
16	1,1,1-Trichloroethane	ND	0.40 mg/m³
17	Carbon tetrachloride	ND	0.40 mg/m³
18	Benzene	ND	0.20 mg/m³
19	Tertiary Amyl Methyl Ether (TAME)	ND	0.40 mg/m³
20	1,2-Dichloropropane	ND	0.40 mg/m³
21	Trichloroethene	ND	0.40 mg/m³
22	Bromodichloromethane	ND	0.40 mg/m³
23	cis-1,3-Dichloropropene	ND	0.40 mg/m³
24	trans-1,3-Dichloropropene	ND	0.40 mg/m³
25	1,1,2-Trichloroethane	ND	0.40 mg/m³
26	Toluene	ND	0.20 mg/m³
27	Dibromochloromethane	ND	0.40 mg/m³
28	1,2-Dibromoethane (EDB)	ND	0.80 mg/m³
29	Tetrachloroethene	ND	0.40 mg/m³
30	Chlorobenzene	ND	0.40 mg/m³
31	Ethylbenzene	ND	0.20 mg/m³
32	m,p-Xylene	0.33	0.20 mg/m³
33	Bromoform	ND	0.40 mg/m³
34	o-Xylene	ND	0.20 mg/m³
35	1,1,2,2-Tetrachloroethane	ND	0.40 mg/m³
36	n-Propylbenzene	ND	0.40 mg/m³
37	1,2,4-Trimethylbenzene	ND	0.40 mg/m³
38	1,3-Dichlorobenzene	ND	0.40 mg/m³
39	1,4-Dichlorobenzene	ND	0.40 mg/m³
40	1,2-Dichlorobenzene	ND	0.40 mg/m³

Note: Concentrations of air in a Tedlar Bag are at 28 degrees Celsius and 25.47 inches of mercury.

ND = Not Detected

Roger Scholl Randy Gardner

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

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

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

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

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

ACCLASS ACCREDITED DoD ELAP

9/10/15
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: STR15090250 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15090250-01A	Grim W INF	Aqueous	2
15090250-02A	Grim W GAC1	Aqueous	2

9/10/15

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: *09-Sep-15*

QC Summary Report

Work Order: 15090250

Method Blank

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

File ID: **15090805.D** Batch ID: **MS08A0908B** Analysis Date: **09/08/2015 12:42**

Sample ID: **MBLK MS08A0908B** Units : **mg/m³** Run ID: **MSD_08_150908A** Prep Date: **09/08/2015 12:42**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	10								
Surr: 1,2-Dichloroethane-d4	1.94		2		97	70	130			
Surr: Toluene-d8	2.24		2		112	70	130			
Surr: 4-Bromofluorobenzene	1.63		2		82	70	130			

Laboratory Control Spike

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

File ID: **15090803.D** Batch ID: **MS08A0908B** Analysis Date: **09/08/2015 11:40**

Sample ID: **GLCS MS08A0908B** Units : **mg/m³** Run ID: **MSD_08_150908A** Prep Date: **09/08/2015 11:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	454	10	400		114	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10		97	70	130			
Surr: Toluene-d8	9.29		10		93	70	130			
Surr: 4-Bromofluorobenzene	10.6		10		106	70	130			

Comments:

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

Alpha Analytical, Inc.

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Date: 09-Sep-15

QC Summary Report

Work Order: 15090250

Method Blank

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

File ID: 15090404.D Batch ID: MS08W0904B Analysis Date: 09/04/2015 11:46

Sample ID: MBLK MS08W0904B Units : µg/L Run ID: MSD_08_150904A Prep Date: 09/04/2015 11:46

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10.8		10		108	70	130			
Surr: Toluene-d8	10.6		10		106	70	130			
Surr: 4-Bromofluorobenzene	8.77		10		88	70	130			

Laboratory Control Spike

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

File ID: 15090403.D Batch ID: MS08W0904B Analysis Date: 09/04/2015 11:14

Sample ID: GLCS MS08W0904B Units : µg/L Run ID: MSD_08_150904A Prep Date: 09/04/2015 11:14

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	387	50	400		97	70	130			
Surr: 1,2-Dichloroethane-d4	10		10		100	70	130			
Surr: Toluene-d8	9.53		10		95	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: 15090429.D Batch ID: MS08W0904B Analysis Date: 09/04/2015 21:34

Sample ID: 15090248-01AGS Units : µg/L Run ID: MSD_08_150904A Prep Date: 09/04/2015 21:34

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2210	250	2000	0	110	54	143			
Surr: 1,2-Dichloroethane-d4	53.6		50		107	70	130			
Surr: Toluene-d8	48		50		96	70	130			
Surr: 4-Bromofluorobenzene	50		50		100	70	130			

Sample Matrix Spike Duplicate

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

File ID: 15090430.D Batch ID: MS08W0904B Analysis Date: 09/04/2015 21:58

Sample ID: 15090248-01AGSD Units : µg/L Run ID: MSD_08_150904A Prep Date: 09/04/2015 21:58

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2140	250	2000	0	107	54	143	2209	3.0(23)	
Surr: 1,2-Dichloroethane-d4	53.3		50		107	70	130			
Surr: Toluene-d8	48.4		50		97	70	130			
Surr: 4-Bromofluorobenzene	51.7		50		103	70	130			

Comments:

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

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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

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

Date: 09-Sep-15

QC Summary Report

Work Order: 15090250

Method Blank

Type MBLK Test Code: EPA Method SW8260B

File ID: 15090805.D Batch ID: MS08A0908A Analysis Date: 09/08/2015 12:42

Sample ID: MBLK MS08A0908A Units : mg/m³ Run ID: MSD_08_150908A Prep Date: 09/08/2015 12:42

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	0.4								
Vinyl chloride	ND	0.2								
Chloroethane	ND	0.2								
Bromomethane	ND	0.4								
Trichlorofluoromethane	ND	0.2								
1,1-Dichloroethene	ND	0.2								
Tertiary Butyl Alcohol (TBA)	ND	5								
Dichloromethane	ND	0.4								
trans-1,2-Dichloroethene	ND	0.2								
Methyl tert-butyl ether (MTBE)	ND	0.1								
1,1-Dichloroethane	ND	0.2								
Di-isopropyl Ether (DIPE)	ND	0.2								
cis-1,2-Dichloroethene	ND	0.2								
Chloroform	ND	0.2								
Ethyl Tertiary Butyl Ether (ETBE)	ND	0.2								
1,1,1-Trichloroethane	ND	0.2								
Carbon tetrachloride	ND	0.2								
Benzene	ND	0.1								
Tertiary Amyl Methyl Ether (TAME)	ND	0.2								
1,2-Dichloropropane	ND	0.2								
Trichloroethene	ND	0.2								
Bromodichloromethane	ND	0.2								
cis-1,3-Dichloropropene	ND	0.2								
trans-1,3-Dichloropropene	ND	0.2								
1,1,2-Trichloroethane	ND	0.2								
Toluene	ND	0.1								
Dibromochloromethane	ND	0.2								
1,2-Dibromoethane (EDB)	ND	0.4								
Tetrachloroethene	ND	0.2								
Chlorobenzene	ND	0.2								
Ethylbenzene	ND	0.1								
m,p-Xylene	ND	0.1								
Bromoform	ND	0.2								
o-Xylene	ND	0.1								
1,1,2,2-Tetrachloroethane	ND	0.2								
n-Propylbenzene	ND	0.2								
1,2,4-Trimethylbenzene	ND	0.2								
1,3-Dichlorobenzene	ND	0.2								
1,4-Dichlorobenzene	ND	0.2								
1,2-Dichlorobenzene	ND	0.2								
Surr: 1,2-Dichloroethane-d4	1.94		2		97	70	130			
Surr: Toluene-d8	2.24		2		112	70	130			
Surr: 4-Bromofluorobenzene	1.63		2		82	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method SW8260B

File ID: 15090802.D Batch ID: MS08A0908A Analysis Date: 09/08/2015 11:09

Sample ID: LCS MS08A0908A Units : mg/m³ Run ID: MSD_08_150908A Prep Date: 09/08/2015 11:09

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.58	0.2	10		96	70	130			
Methyl tert-butyl ether (MTBE)	12.3	0.1	10		123	63	137			
Benzene	10.7	0.1	10		107	70	130			
Trichloroethene	10.1	0.2	10		101	68	138			
Toluene	10.8	0.1	10		108	70	130			
Chlorobenzene	10.7	0.2	10		107	70	130			
Ethylbenzene	10.6	0.1	10		106	70	130			
m,p-Xylene	10.6	0.1	10		106	65	139			
o-Xylene	10.3	0.1	10		103	70	130			
Surr: 1,2-Dichloroethane-d4	10.3		10		103	70	130			
Surr: Toluene-d8	9.67		10		97	70	130			
Surr: 4-Bromofluorobenzene	9.53		10		95	70	130			

Alpha Analytical, Inc.

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

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

Date: *09-Sep-15*

QC Summary Report

Work Order: 15090250

Comments:

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

Alpha Analytical, Inc.

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

Date: 09-Sep-15

QC Summary Report

Work Order: 15090250

Method Blank

Type MBLK Test Code: EPA Method 624/8260

File ID: 15090404.D Batch ID: MS08W0904A Analysis Date: 09/04/2015 11:46

Sample ID: MBLK MS08W0904A Units : µg/L Run ID: MSD_08_150904A Prep Date: 09/04/2015 11:46

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
1,2-Dibromoethane (EDB)	ND	2								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND	1								
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	10.8		10		108	70	130			
Surr: Toluene-d8	10.6		10		106	70	130			
Surr: 4-Bromofluorobenzene	8.77		10		88	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method 624/8260

File ID: 15090402.D Batch ID: MS08W0904A Analysis Date: 09/04/2015 10:47

Sample ID: LCS MS08W0904A Units : µg/L Run ID: MSD_08_150904A Prep Date: 09/04/2015 10:47

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.2	1	10		102	70	130			
Methyl tert-butyl ether (MTBE)	11.8	0.5	10		118	63	137			
Benzene	10.5	0.5	10		105	70	130			
Trichloroethene	9.48	1	10		95	68	138			
Toluene	10.1	0.5	10		101	70	130			
Chlorobenzene	10.1	1	10		101	70	130			
Ethylbenzene	9.81	0.5	10		98	70	130			
m,p-Xylene	9.75	0.5	10		98	65	139			
o-Xylene	9.76	0.5	10		98	70	130			
Surr: 1,2-Dichloroethane-d4	10.7		10		107	70	130			
Surr: Toluene-d8	9.38		10		94	70	130			
Surr: 4-Bromofluorobenzene	9.59		10		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: *09-Sep-15*

QC Summary Report

Work Order: 15090250

Sample Matrix Spike Type **MS** Test Code: **EPA Method 624/8260**

File ID: **15090427.D** Batch ID: **MS08W0904A** Analysis Date: **09/04/2015 20:48**

Sample ID: **15090248-01AMS** Units : **µg/L** Run ID: **MSD_08_150904A** Prep Date: **09/04/2015 20:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	47.8	2.5	50	0	96	62	133			
Methyl tert-butyl ether (MTBE)	73.9	1.3	50	9.7	128	56	140			
Benzene	52.1	1.3	50	0	104	67	134			
Trichloroethene	47.4	2.5	50	0	95	68	138			
Toluene	54.2	1.3	50	0	108	38	130			
Chlorobenzene	53.6	2.5	50	0	107	70	130			
Ethylbenzene	52.6	1.3	50	0	105	70	130			
m,p-Xylene	51.4	1.3	50	0	103	65	139			
o-Xylene	50.6	1.3	50	0	101	69	130			
Surr: 1,2-Dichloroethane-d4	54.9		50		110	70	130			
Surr: Toluene-d8	47.4		50		95	70	130			
Surr: 4-Bromofluorobenzene	46.3		50		93	70	130			

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method 624/8260**

File ID: **15090428.D** Batch ID: **MS08W0904A** Analysis Date: **09/04/2015 21:12**

Sample ID: **15090248-01AMSD** Units : **µg/L** Run ID: **MSD_08_150904A** Prep Date: **09/04/2015 21:12**

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	47.76	1.3(35)	
Methyl tert-butyl ether (MTBE)	76.4	1.3	50	9.7	133	56	140	73.91	3.3(40)	
Benzene	53.6	1.3	50	0	107	67	134	52.11	2.9(21)	
Trichloroethene	47.5	2.5	50	0	95	68	138	47.35	0.2(20)	
Toluene	54.3	1.3	50	0	109	38	130	54.23	0.2(20)	
Chlorobenzene	54.1	2.5	50	0	108	70	130	53.55	1.0(20)	
Ethylbenzene	51.5	1.3	50	0	103	70	130	52.61	2.1(20)	
m,p-Xylene	50.9	1.3	50	0	102	65	139	51.37	0.9(20)	
o-Xylene	50.2	1.3	50	0	100	69	130	50.61	0.8(20)	
Surr: 1,2-Dichloroethane-d4	56.3		50		113	70	130			
Surr: Toluene-d8	47.3		50		95	70	130			
Surr: 4-Bromofluorobenzene	45.4		50		91	70	130			

Comments:

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

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

CA

WorkOrder : STR15090250

Report Due By : 5:00 PM On : 10-Sep-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 # : 04632 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	02-Sep-15	02-Sep-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_A	TPH/P_W	VOC_A	VOC_W					Sample Remarks
STR15090250-01A	Grim W INF	AQ	09/01/15 06:36	6	0	5		GAS-C		8260/OXYS/EDB/Naph_C s					
STR15090250-02A	Grim W GAC1	AQ	09/01/15 06:33	6	0	5		GAS-C		8260/OXYS/EDB/Naph_C s					
STR15090250-03A	Grim A SYS INF	AR	09/01/15 06:51	1	0	5	GAS-N/C		8260/OXYS/EDB_S						Tedlar.

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

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	9/2/15 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

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

04632

Page # 1 of 1

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

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

Job and Purchase Order Info:
Job #
Job Name: Grimit Auto
P.O. #:

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

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

Samples Collected from which State? (circle one) AR (CA circled) 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	Chlorobenzene	N propyl benzene	124 trimethyl benzene		Remarks
0636	9/1/15	AQ	STR15090250 -01A	Grim W INF	STD	6		X	X	X	X	X	X	X					
0633	)	)	-02A	Grim W GAC 1	STD	6		X	X	X	X	X	X	X					
0631	)	AQ		Grim W EFF	24	6		X	X	X	X	X	X	X					
0652	9/1/15	AR	-03A	Grim A Sys INF	STD	1		X	X	X	X		X	X	X	X	X		
0648	)	AR		Grim A EFF	24	1		X	X	X	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: Chris C

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Chris Stratus	9/1/15	~~9/1/15~~ 1210	Melyssa T	9-1-15	1210
			[signature]	9/2/15	1240

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

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

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 : 09/02/15

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 :	STR15090241-01A	TPH-P (GRO)	ND	50 µg/L	09/02/15	09/02/15
Date Sampled	09/01/15 06:31					
Client ID :	**Grim A EFF**					
Lab ID :	STR15090241-02A	TPH-P (GRO)	ND	15 mg/m³	09/02/15 10:25	09/02/15
Date Sampled	09/01/15 06:48					

Gasoline Range Organics (GRO) C4-C13
Note: For sample -02A concentrations of air in a Tedlar Bag are at 24 degrees Celsius and 30.00 inches of mercury.
ND = Not Detected
Reported in micrograms per Liter, per client request.

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner

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

9/2/15
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: STR15090241-01A
Client I.D. Number: Grim W EFF

Sampled: 09/01/15 06:31
Received: 09/02/15
Extracted: 09/02/15
Analyzed: 09/02/15

Volatile Organics by GC/MS
EPA Method 624/8260

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

ND = Not Detected

Roger Scholl Randy Gardner

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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: STR15090241-02A
Client I.D. Number: Grim A EFF

Sampled: 09/01/15 06:48
Received: 09/02/15
Extracted: 09/02/15 10:25
Analyzed: 09/02/15

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit		Compound	Concentration	Reporting Limit
1	Chloromethane	ND	0.60 mg/m³	26	Toluene	ND	0.15 mg/m³
2	Vinyl chloride	ND	0.30 mg/m³	27	Dibromochloromethane	ND	0.30 mg/m³
3	Chloroethane	ND	0.30 mg/m³	28	1,2-Dibromoethane (EDB)	ND	0.60 mg/m³
4	Bromomethane	ND	0.60 mg/m³	29	Tetrachloroethene	ND	0.30 mg/m³
5	Trichlorofluoromethane	ND	0.30 mg/m³	30	Chlorobenzene	ND	0.30 mg/m³
6	1,1-Dichloroethene	ND	0.30 mg/m³	31	Ethylbenzene	ND	0.15 mg/m³
7	Tertiary Butyl Alcohol (TBA)	ND	7.5 mg/m³	32	m,p-Xylene	ND	0.15 mg/m³
8	Dichloromethane	ND	0.60 mg/m³	33	Bromoform	ND	0.30 mg/m³
9	trans-1,2-Dichloroethene	ND	0.30 mg/m³	34	o-Xylene	ND	0.15 mg/m³
10	Methyl tert-butyl ether (MTBE)	ND	0.15 mg/m³	35	1,1,2,2-Tetrachloroethane	ND	0.30 mg/m³
11	1,1-Dichloroethane	ND	0.30 mg/m³	36	n-Propylbenzene	ND	0.30 mg/m³
12	Di-isopropyl Ether (DIPE)	ND	0.30 mg/m³	37	1,2,4-Trimethylbenzene	ND	0.30 mg/m³
13	cis-1,2-Dichloroethene	ND	0.30 mg/m³	38	1,3-Dichlorobenzene	ND	0.30 mg/m³
14	Chloroform	ND	0.30 mg/m³	39	1,4-Dichlorobenzene	ND	0.30 mg/m³
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	0.30 mg/m³	40	1,2-Dichlorobenzene	ND	0.30 mg/m³
16	1,1,1-Trichloroethane	ND	0.30 mg/m³				
17	Carbon tetrachloride	ND	0.30 mg/m³				
18	Benzene	ND	0.15 mg/m³				
19	Tertiary Amyl Methyl Ether (TAME)	ND	0.30 mg/m³				
20	1,2-Dichloropropane	ND	0.30 mg/m³				
21	Trichloroethene	ND	0.30 mg/m³				
22	Bromodichloromethane	ND	0.30 mg/m³				
23	cis-1,3-Dichloropropene	ND	0.30 mg/m³				
24	trans-1,3-Dichloropropene	ND	0.30 mg/m³				
25	1,1,2-Trichloroethane	ND	0.30 mg/m³				

Note: Concentrations of air in a Tedlar Bag are at 24 degrees Celsius and 30.00 inches of mercury.

ND = Not Detected

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VOC Sample Preservation Report

Work Order: STR15090241 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15090241-01A	Grim W EFF	Aqueous	2

9/2/15

Report Date

Alpha Analytical, Inc.

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

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

Date: *04-Sep-15*

QC Summary Report

Work Order: 15090241

Method Blank

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

File ID: **15090205.D** Batch ID: **MS15A0902B** Analysis Date: **09/02/2015 11:54**

Sample ID: **MBLK MS15A0902B** Units : **mg/m³** Run ID: **MSD_15_150902A** Prep Date: **09/02/2015 11:54**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	10								
Surr: 1,2-Dichloroethane-d4	1.78		2		89	70	130			
Surr: Toluene-d8	2.08		2		104	70	130			
Surr: 4-Bromofluorobenzene	2.02		2		101	70	130			

Laboratory Control Spike

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

File ID: **15090203.D** Batch ID: **MS15A0902B** Analysis Date: **09/02/2015 10:50**

Sample ID: **GLCS MS15A0902B** Units : **mg/m³** Run ID: **MSD_15_150902A** Prep Date: **09/02/2015 10:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	427	10	400		107	70	130			
Surr: 1,2-Dichloroethane-d4	8.8		10		88	70	130			
Surr: Toluene-d8	10.5		10		105	70	130			
Surr: 4-Bromofluorobenzene	10		10		100	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.

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Date: *04-Sep-15*

QC Summary Report

Work Order: 15090241

Method Blank

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

File ID: **15090204.D** Batch ID: **MS09W0902B** Analysis Date: **09/02/2015 12:34**

Sample ID: **MBLK MS09W0902B** Units : **µg/L** Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 12:34**

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	9.68		10		97	70	130			

Laboratory Control Spike

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

File ID: **15090203.D** Batch ID: **MS09W0902B** Analysis Date: **09/02/2015 12:09**

Sample ID: **GLCS MS09W0902B** Units : **µg/L** Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 12:09**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	421	50	400		105	70	130			
Surr: 1,2-Dichloroethane-d4	10.3		10		103	70	130			
Surr: Toluene-d8	9.97		10		99.7	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: **15090216.D** Batch ID: **MS09W0902B** Analysis Date: **09/02/2015 17:26**

Sample ID: **15090240-01AGS** Units : **µg/L** Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 17:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2130	250	2000	0	107	54	143			
Surr: 1,2-Dichloroethane-d4	51.4		50		103	70	130			
Surr: Toluene-d8	49.8		50		99.6	70	130			
Surr: 4-Bromofluorobenzene	50		50		100	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15090217.D** Batch ID: **MS09W0902B** Analysis Date: **09/02/2015 17:50**

Sample ID: **15090240-01AGSD** Units : **µg/L** Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 17:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2250	250	2000	0	113	54	143	2132	5.6(23)	
Surr: 1,2-Dichloroethane-d4	51.3		50		103	70	130			
Surr: Toluene-d8	50.4		50		101	70	130			
Surr: 4-Bromofluorobenzene	48.6		50		97	70	130			

Comments:

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Reported in micrograms per Liter, per client request.

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Date: *04-Sep-15*

QC Summary Report

Work Order: 15090241

Method Blank

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

File ID: **15090205.D** Batch ID: **MS15A0902A** Analysis Date: **09/02/2015 11:54**

Sample ID: **MBLK MS15A0902A** Units : **mg/m³** Run ID: **MSD_15_150902A** Prep Date: **09/02/2015 11:54**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	0.4								
Vinyl chloride	ND	0.2								
Chloroethane	ND	0.2								
Bromomethane	ND	0.4								
Trichlorofluoromethane	ND	0.2								
1,1-Dichloroethene	ND	0.2								
Tertiary Butyl Alcohol (TBA)	ND	5								
Dichloromethane	ND	0.4								
trans-1,2-Dichloroethene	ND	0.2								
Methyl tert-butyl ether (MTBE)	ND	0.1								
1,1-Dichloroethane	ND	0.2								
Di-isopropyl Ether (DIPE)	ND	0.2								
cis-1,2-Dichloroethene	ND	0.2								
Chloroform	ND	0.2								
Ethyl Tertiary Butyl Ether (ETBE)	ND	0.2								
1,1,1-Trichloroethane	ND	0.2								
Carbon tetrachloride	ND	0.2								
Benzene	ND	0.1								
Tertiary Amyl Methyl Ether (TAME)	ND	0.2								
1,2-Dichloropropane	ND	0.2								
Trichloroethene	ND	0.2								
Bromodichloromethane	ND	0.2								
cis-1,3-Dichloropropene	ND	0.2								
trans-1,3-Dichloropropene	ND	0.2								
1,1,2-Trichloroethane	ND	0.2								
Toluene	ND	0.1								
Dibromochloromethane	ND	0.2								
1,2-Dibromoethane (EDB)	ND	0.4								
Tetrachloroethene	ND	0.2								
Chlorobenzene	ND	0.2								
Ethylbenzene	ND	0.1								
m,p-Xylene	ND	0.1								
Bromoform	ND	0.2								
o-Xylene	ND	0.1								
1,1,2,2-Tetrachloroethane	ND	0.2								
n-Propylbenzene	ND	0.2								
1,2,4-Trimethylbenzene	ND	0.2								
1,3-Dichlorobenzene	ND	0.2								
1,4-Dichlorobenzene	ND	0.2								
1,2-Dichlorobenzene	ND	0.2								
Surr: 1,2-Dichloroethane-d4	1.78		2		89	70	130			
Surr: Toluene-d8	2.08		2		104	70	130			
Surr: 4-Bromofluorobenzene	2.02		2		101	70	130			

Laboratory Control Spike

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

File ID: **15090202.D** Batch ID: **MS15A0902A** Analysis Date: **09/02/2015 10:25**

Sample ID: **LCS MS15A0902A** Units : **mg/m³** Run ID: **MSD_15_150902A** Prep Date: **09/02/2015 10:25**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.25	0.2	10		93	70	130			
Methyl tert-butyl ether (MTBE)	8.74	0.1	10		87	63	137			
Benzene	8.97	0.1	10		90	70	130			
Trichloroethene	9.28	0.2	10		93	68	138			
Toluene	10	0.1	10		100	70	130			
Chlorobenzene	9.65	0.2	10		97	70	130			
Ethylbenzene	9.36	0.1	10		94	70	130			
m,p-Xylene	9.8	0.1	10		98	65	139			
o-Xylene	9.44	0.1	10		94	70	130			
Surr: 1,2-Dichloroethane-d4	8.94		10		89	70	130			
Surr: Toluene-d8	10.4		10		104	70	130			
Surr: 4-Bromofluorobenzene	9.98		10		99.8	70	130			

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Date: *04-Sep-15*

QC Summary Report

Work Order: 15090241

Comments:

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Date: 04-Sep-15

QC Summary Report

Work Order: 15090241

Method Blank

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

File ID: **15090204.D** Batch ID: **MS09W0902A** Analysis Date: **09/02/2015 12:34**

Sample ID: **MBLK MS09W0902A** Units : **µg/L** Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 12:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
1,2-Dibromoethane (EDB)	ND	2								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND	1								
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	10.2		10		102	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	9.68		10		97	70	130			

Laboratory Control Spike

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

File ID: **15090202.D** Batch ID: **MS09W0902A** Analysis Date: **09/02/2015 11:44**

Sample ID: **LCS MS09W0902A** Units : **µg/L** Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 11:44**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.4	1	10		104	70	130			
Methyl tert-butyl ether (MTBE)	9.06	0.5	10		91	63	137			
Benzene	10	0.5	10		100	70	130			
Trichloroethene	9.95	1	10		100	68	138			
Toluene	9.7	0.5	10		97	70	130			
Chlorobenzene	9.78	1	10		98	70	130			
Ethylbenzene	8.74	0.5	10		87	70	130			
m,p-Xylene	9.21	0.5	10		92	65	139			
o-Xylene	9.93	0.5	10		99	70	130			
Surr: 1,2-Dichloroethane-d4	10		10		100	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	9.84		10		98	70	130			

Alpha Analytical, Inc.

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

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

Date: *04-Sep-15*

QC Summary Report

Work Order: 15090241

Sample Matrix Spike Type **MS** Test Code: **EPA Method 624/8260**

File ID: **15090214.D** Batch ID: **MS09W0902A** Analysis Date: **09/02/2015 16:37**

Sample ID: **15090240-01AMS** Units : **µg/L** Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 16:37**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	50.6	2.5	50	0	101	62	133			
Methyl tert-butyl ether (MTBE)	48.8	1.3	50	0	98	56	140			
Benzene	51.1	1.3	50	0	102	67	134			
Trichloroethene	48.7	2.5	50	0	97	68	138			
Toluene	47.9	1.3	50	0	96	38	130			
Chlorobenzene	48	2.5	50	0	96	70	130			
Ethylbenzene	41.8	1.3	50	0	84	70	130			
m,p-Xylene	43.2	1.3	50	0	86	65	139			
o-Xylene	48.6	1.3	50	0	97	69	130			
Surr: 1,2-Dichloroethane-d4	52		50		104	70	130			
Surr: Toluene-d8	49.1		50		98	70	130			
Surr: 4-Bromofluorobenzene	49.6		50		99	70	130			

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method 624/8260**

File ID: **15090215.D** Batch ID: **MS09W0902A** Analysis Date: **09/02/2015 17:01**

Sample ID: **15090240-01AMSD** Units : **µg/L** Run ID: **MSD_09_150902A** Prep Date: **09/02/2015 17:01**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	58	2.5	50	0	116	62	133	50.63	13.6(35)	
Methyl tert-butyl ether (MTBE)	54	1.3	50	0	108	56	140	48.79	10.1(40)	
Benzene	57.1	1.3	50	0	114	67	134	51.11	11.0(21)	
Trichloroethene	54.4	2.5	50	0	109	68	138	48.7	11.1(20)	
Toluene	53.1	1.3	50	0	106	38	130	47.86	10.4(20)	
Chlorobenzene	53.8	2.5	50	0	108	70	130	48.03	11.2(20)	
Ethylbenzene	47.2	1.3	50	0	94	70	130	41.81	12.1(20)	
m,p-Xylene	49.2	1.3	50	0	98	65	139	43.23	13.0(20)	
o-Xylene	54.5	1.3	50	0	109	69	130	48.62	11.4(20)	
Surr: 1,2-Dichloroethane-d4	51		50		102	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.

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 : STR15090241

Report Due By : 5:00 PM On : 02-Sep-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 # : 04632 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	02-Sep-15	02-Sep-15

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_A	TPH/P_W	VOC_A	VOC_W					Sample Remarks
STR15090241-01A	Grim W EFF	AQ	09/01/15 06:31	6	0	0		GAS-C		8260/OXYS/ EDB/Naph_C s					
STR15090241-02A	Grim A EFF	AR	09/01/15 06:48	1	0	0	GAS-N/C		8260/OXYS/ EDB_S						Tedlar.

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

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO.	Alpha Analytical, Inc.	9/2/15 1015

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

Billing Information:

Company: Stinkers
Attn:
Address: 3330 Cameron Pk Dr
City, State, Zip: Cameron Pk
Phone Number: Fax:

Alpha Analytical, Inc.
Alpha Analytical, Inc. Environmental Lab

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

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 — Phone: 916-366-9089
Southern 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

04632

Page # 1 of 1

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

Job and Purchase Order Info:
Job #
Job Name: Grimit Auto
P.O. #:

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

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

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

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	GRO	BTEX	MTBE	1,2 DCA Napthalene	PCE TCE VOCs	Vinylchloride	Chlorobenzene	Npropyl benzene	124 trimethyl benzene		Remarks
0636	9/15	AQ	[redacted]	Grim W INF	STD	6		X	X	X	X	X	X	X					
0633	)	)	[redacted]	Grim W GAC 1	STD	6		X	X	X	X	X	X	X					
0631	)	AQ	[redacted]	Grim W EFF	24	6		X	X	X	X	X	X	X					
			[redacted]																
0657	9/15	AR	[redacted]	Grim A Sys INF	STD	1		X	X	X	X		X	X	X	X	X		
0648	)	AR	[redacted]	Grim A EFF	24	1		X	X	X	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: Chris C

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] Stinkers	9/1/15	1210	Melyssa T	9-1-15	1210
			[signature]	9/2/15	1000

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

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