RECEIVED
By Alameda County Environmental Health 9:33 am, May 10, 2016

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, First Quarter 2016* 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 angelept@gmail.com.

Sincerely,

Peggy Garcia, Trustee

Ms. Peggy Garcia, Trustee, Grimit Family Trust

cc: Angel LaMarca

STRATUS
ENVIRONMENTAL, INC.

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

April 28, 2016
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
Fourth Quarter 2015 and First Quarter 2016
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 fourth quarter 2015 and first quarter 2016. This report has been prepared in compliance with the Alameda County Environmental Health Department (ACEHD) and the 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.

Scott G. Bittinger, P.G.
Project Manager

Gowri S. Kowtha, P.E.
Principal Engineer

Attachment: Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2015
And First Quarter 2016

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 (Fourth Quarter 2015 and First Quarter 2016):

1. During the fourth quarter 2015, Stratus conducted four 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. DPE was discontinued on November 10, 2015, and the remediation system was removed from the site.

2. The first quarter 2016 groundwater monitoring and sampling event was performed on January 28, 2016.

WORK PROPOSED FOR NEXT PERIOD (Second Quarter 2016):

1. No environmental activities are anticipated during the second quarter 2016.

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:	January 28, 2016
Is Free Product (FP) Present on Site:	Intermittent sheen/FP at well MW-1
Depth to Groundwater:	2.20 to 16.48 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, until shut down on November 10, 2015)
BAAQMD Permit Nos.:	PTO Plant No. 22351
Influent GRO Conc. End of Period (lab):	64 mg/m^3 (11/9/15)
Influent Benzene Conc. End of Period (lab):	<0.20 mg/m^3 (11/9/15)
Influent MTBE Conc. End of Period (lab):	<0.20 mg/m^3 (11/9/15)
Average Flow Rate:	125.1 acfm (between 9/22/15 and 11/10/15)
Average Applied Vacuum:	10.0 inches Hg (between 9/22/15 and 11/10/15)
GRO Destroyed this Period:	35.3 lbs (between 9/1/15 and 11/10/15)
GRO Destroyed to Date:	343.1 lbs (between 11/20/14 and 11/10/15)
Operating Hours this Period:	1,177.0 hrs (between 9/22/15 and 11/10/15)
Percent Time Operational (average):	100% (between 9/22/15 and 11/10/15)
Number of Shutdowns:	0

GROUNDWATER EXTRACTION PORTION OF DPE SYSTEM – PERFORMANCE SUMMARY:

Equipment Inventory:	Two 2,000-lb. activated carbon vessels
Operating Mode:	Continuous (until shut down on November 10, 2015)
EBMUD Sewer Discharge Permit No.:	62203411
GRO Concentration End of Period (lab):	<100 µg/L (system influent) (11/9/15)
Benzene Concentration End of Period (lab):	<0.50 µg/L (system influent) (11/9/15)
MTBE Concentration End of Period (lab):	<0.50 µg/L (system influent) (11/9/15)
Average Groundwater Extraction Rate:	0.03 gpm (average between 9/1/15 and 11/10/15)
GRO extracted this period:	0.03 lbs (between 9/1/15 and 11/10/15)
Groundwater Discharged this Period:	2,670 gallons (between 9/1/15 and 11/10/15)
GRO extracted to Date:	2.64 lbs (between 11/18/14 and 11/10/15)
Groundwater Discharged to Date:	27,210 gallons (between 11/18/14 and 11/10/15)

FINDINGS AND DISCUSSION:

Stratus conducted groundwater monitoring and sampling activities on January 28, 2016. During this event, wells MW-1, MW-2, and MW-4 through MW-8 were gauged and sampled. On January 28, 2016, wells MW-3 and MW-9 could not be accessed due to vehicles parked over the wells. 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), and 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 2.20 to 16.48 feet below the top of the well casing on January 28, 2016. Groundwater levels increased significantly since the time of the third quarter 2015 well gauging event. 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 to have occurred during DPE work; however, the first quarter 2016 well gauging event was conducted well after discontinuation of 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 January 2016 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 (18,000 micrograms per liter [µg/L]) was reported in the sample collected from well MW-1. Benzene was also detected at MW-1 at 130 µg/L, and petroleum sheen was observed from water purged from MW-1. GRO and benzene were also detected in samples collected from wells MW-4 (2,200 µg/L and 140 µg/L, respectively), MW-5 (5,500 µg/L and 15 µg/L, respectively), MW-6 (1,400 µg/L and 52 µg/L, respectively), and MW-7 (6,800 µg/L and 280 µg/L, respectively). Oil and grease was reported in the samples collected from wells MW-1 (380,000 µg/L without silica gel treatment, 250,000 µg/L with silica gel treatment), MW-4 (9,700 µg/L without silica gel treatment, 7,000 µg/L with silica gel treatment), and MW-7 (53,000 µg/L without silica gel treatment, 43,000 µg/L with silica gel treatment). MTBE was only detected in one well sample (MW-4, 1.5 µg/L).

At well MW-7, trichloroethene (TCE), vinyl chloride (VC), cis-1,2-dichloroethene (cis-1,2-DCE), and trans-1,2-dichloroethane (trans-1,2-DCE) were detected at concentrations of 3.1 µg/L, 6.7 µg/L, 93 µg/L, and 4.5 µg/L, respectively. At well MW-8, tetrachlorethane (PCE), TCE, VC, and cis-1,2-DCE were detected at concentrations of 1.8 µg/L, 1.6 µg/L, 1.1 µg/L, and 2.8 µg/L, respectively. At well MW-4, 1,2-dichlorobenzene, VC, and cis-1,2-DCE were detected at concentrations of 14 µg/L, 140 µg/L, and 370 µg/L, respectively. At well MW-1, VC, cis-1,2-DCE, and trans-1,2-DCE were detected at levels of 27 µg/L, 47 µg/L, and 16 µg/L, respectively. At well MW-2, TCE (4.3 µg/L) and cis-1,2-DCE (1.1 µg/L) were detected.

DUAL-PHASE EXTRACTION AND GROUNDWATER TREATMENT REMEDIATION SYSTEM:

System Description

The remediation equipment 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 the 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 the 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 – Fourth Quarter 2015

During the fourth quarter 2015, Stratus visited the site four times (October 6 and 20, and November 9 and 10, 2015) to verify system operation, conduct routine O&M of the system, collect groundwater and soil vapor samples for permit compliance, optimize system operation, gauge system effectiveness, and to complete the remediation event. The system was shut down and demobilized from the project site on November 10, 2015. An operational summary of the system is provided in Tables 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 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 September 22 and November 10, 2015, the remediation system operated for approximately 1,177.0 hours (100% uptime during this period), at an average flow rate of approximately 125.1 acfm at an average applied vacuum of approximately 10.0 inches of mercury ("Hg). 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 October 6 and November 9, 2015. Influent GRO concentrations increased from 32 milligrams per cubic meter (mg/m^3) to 64 mg/m^3, and the influent total xylenes concentration increased from below reporting limits (0.20 mg/m^3) to 0.33 mg/m^3. Benzene, toluene, ethylbenzene, methyl tertiary butyl ether (MTBE), tetrachloroethene (PCE), trichloroethene (TCE), n-propyl-benzene, and 1,2,4-trimethylbenzene were all observed below reporting limits. Stratus estimates that approximately 35.3 pounds of GRO were removed from the subsurface, in the vapor phase, between September 1 and November 10, 2015, and a total of 343.1 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 operated in compliance with the BAAQMD permit.

Approximately 2,670 gallons of groundwater were extracted from the subsurface between September 1 and November 10, 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 0.03 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 October 6 and November 9, 2015. During the fourth quarter 2015 concentrations of petroleum hydrocarbons and VOCs were reported below laboratory detection limits in all of the influent and effluent groundwater samples. Influent concentrations of fuel contaminants in groundwater have been relatively low throughout the groundwater remediation event, 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 have operated in compliance with the East Bay Municipal Utility District's discharge requirements.

DISCUSSION AND RECOMMENDATION:

DPE was conducted at an ideal time, when groundwater levels were low due to drought conditions. As stated earlier, groundwater levels have increased appreciably in recent months, and DPE has been discontinued. Concentrations of petroleum hydrocarbons in groundwater at the site appear to have rebounded after discontinuation of DPE, although the data may be impacted somewhat by the significant differences in groundwater levels observed during the first quarter 2016 when compared to water levels observed over the past year.

In an August 2012 Feasibility Study / Corrective Action Plan prepared for the site, Stratus recommended performing DPE as an initial remedial approach, followed by ozone injection (OI) as a second phase of remediation. If the site's environmental case cannot be closed in its current condition, Stratus recommends that use of OI remedial technology be considered at the site in order to further reduce fuel contaminant concentrations in the subsurface.

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		
	01/28/16	14.30	42.91	sheen	28.61

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
	01/28/16	10.37	42.32	--	31.95

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	07/22/00	9.41	36.94	--	27.53
(shallow)	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
	01/28/16	Unable to Gauge - Car Parked Over Well			

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 (deep)	07/22/00	20.67	36.47	--	15.80
	01/29/01	18.06	36.47	--	18.41
	07/28/01	20.80	36.47	--	15.67
	02/03/02	15.53	36.47	--	20.94
	07/23/02	20.26	36.47	--	16.21
	01/20/03	15.26	36.47	--	21.21
	07/30/03	20.23	36.47	--	16.24
	01/27/04	17.15	36.47	--	19.32
	07/22/04	21.28	36.49	--	15.21
	01/20/05	14.20	36.49	--	22.29
	07/20/05	17.64	36.49	--	18.85
	01/26/06	14.42	36.49	--	22.07
	07/27/06	18.51	36.49	--	17.98
	01/24/07	18.43	36.49	--	18.06
	07/18/07	20.59	36.49	--	15.90
	02/15/08	15.11	36.49	--	21.38
	07/25/08	21.12	36.49	--	15.37
	01/23/09[1]	19.99	36.49	--	16.50
	07/20/09	20.58	36.49	--	15.91
	01/25/10[1]	15.07	36.49	--	21.42
	07/29/10	21.25	36.49	--	15.24
	01/31/11	18.24	36.49	--	18.25
	07/12/11	19.38	36.49	--	17.11
	01/17/12	22.34	42.39	--	20.05
	07/16/12	21.53	42.39	--	20.86
	01/14/13	15.37	42.39	--	27.02
	07/15/13	22.79	42.39	--	19.60
	01/30/14	23.47	42.39	--	18.92
	09/30/14	23.25	42.39	--	19.14
	02/24/15	22.50	42.39	--	19.89
	06/30/15	22.77	42.39	--	19.62
	08/25/15	23.33	42.39	--	19.06
	01/28/16	13.51	42.39	sheen	28.88

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
	01/28/16	16.48	42.69	--	26.21

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

Well Number	Date	Depth to Water (ft bgs)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Groundwater Elevation (corrected*) (ft MSL)
MW-6	07/22/00	11.50	36.42	--	24.92
(shallow)	01/29/01	9.34	36.42	--	27.08
	07/28/01	NA	36.42	--	NA
	02/03/02	9.32	36.42	--	27.10
	07/23/02	11.33	36.42	--	25.09
	01/20/03	8.49	36.42	--	27.93
	07/30/03	11.35	36.42	--	25.07
	01/27/04	9.20	36.42	--	27.22
	07/22/04	11.13	39.44	--	28.31
	01/20/05	7.65	39.44	--	31.79
	07/20/05	10.02	39.44	--	29.42
	01/26/06	8.13	39.44	--	31.31
	07/27/06	10.59	39.44	--	28.85
	01/24/07	10.09	39.44	--	29.35
	07/18/07	11.06	39.44	--	28.38
	02/15/08	8.17	39.44	--	31.27
	07/25/08	11.30	39.44	--	28.14
	01/23/09[1]	9.82	39.44	--	29.62
	07/20/09	11.02	39.44	--	28.42
	01/25/10[1]	6.58	39.44	--	32.86
	07/29/10	10.72	39.44	--	28.72
	01/31/11	8.58	39.44	--	30.86
	07/12/11	9.32	39.44	--	30.12
	01/17/12	11.14	42.34	--	31.20
	07/16/12	10.11	42.34	--	32.23
	01/14/13	8.41	42.34	sheen	33.93
	07/15/13	9.92	42.34	--	32.42
	01/30/14	14.69	42.34	--	27.65
	09/30/14	11.37	42.34	--	30.97
	02/24/15	9.49	42.34	--	32.85
	06/30/15	11.51	42.34	--	30.83
	08/25/15	11.92	42.34	--	30.42
	01/28/16	7.58	42.34	--	34.76

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
	01/28/16	14.64	42.72	sheen	28.08

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	07/22/00	5.47	36.55	--	31.08
(shallow)	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
	01/28/16	2.20	42.42	--	40.22

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
	01/28/16	Unable to Gauge - Car Parked Over Well			

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]	--
	01/28/16	18,000	380,000[5]/250,000[3]	130[4]	94[4]	<5.0	1,460[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	--
	01/28/16	<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	--
	01/28/16	Not Sampled - Car Parked Over Well						

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	--
	01/28/16	2,200	9,700[5]/7,000[3]	140[4]	14[4]	48[4]	177[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-5 (deep)	07/22/00	14,000	12,000[1,2]	290	140	770	630	--
	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	--
	01/28/16	5,500	<5,000[5]	15[4]	13[4]	160[4]	98.7[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-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	--
	01/28/16	1,400	<5,000[5]	52[4]	5.7[4]	89[4]	74.7[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-7	07/22/00	7,400	10,000[1,2]	620	180	240	180	--
(deep)	01/29/01	4,000	7,000[1,2]	410	21	22	21	--
	07/28/01	4,200	<5,000[1,2]	540	120	110	110	--
	02/03/02	6,300	<5,000[1,2]	560	110	190	140	--
	07/23/02	3,400	<5,000[1,2]	440	6.3	87	61	--
	01/20/03	4,500	<5,000[1,2]	380	32	30	36	--
	07/30/03	5,300	<5,000[1,2]	460	34	43	52	--
	01/27/04	3,000	<5,000[1,2]	350	15	13	18	--
	07/22/04	3,600	<5,000[1,2]	440	10	10	25	--
	01/20/05	3,200	19,000[1,2]	320	31	29	34	--
	07/20/05	8,400	<5,000[1,2]	550	230	300	410	--
	01/26/06	3,300	32,000[1,2]	450	31	45	37	--
	07/27/06	3,800	<5,000[1,2]	530	85	38	94	--
	01/25/07	2,500	<5,000[1,2]	320	6.9	3.3	10	--
	07/19/07	2,700	<5,000[1,2]	280	10	5.9	18	--
	02/15/08	2,900	27,000[1,2]	230	15	12	18	--
	07/25/08	3,700	<5,000[1,2]	400	25	26	87	10
	01/23/09	2,500	<5,000[1,2]	230	5.4	2.9	5.6	--
	07/21/09	3,400	<5,000[1,2]	230	75	33	140	--
	01/25/10	3,900	5,200[1,2]	260	15	5.2	24	--
	07/29/10	3,600	<5,000	190	38	13	67.6	--
	01/31/11	5,400	14,000 / <5,000[3]	210	29	13	28.7	--
	07/12/11	5,500	<5,000	150	45	7.9	51.9	--
	01/17/12	3,300	<5,000	150	8.5	2.1	12.3	--
	07/16/12	4,200	<5,000	160	41	31	31.4	--
	01/14/13	3,000	<5,000	180	25	8.2	27.6	--
	07/15/13	3,300	<5,000	150	12	2.5	33.6	--
	01/30/14	3,500	<5,000	180	3.6	<1.5[1]	4.9	--
	09/30/14	5,100	<5,000	200	50	130	216	--
	02/24/15	2,100	<5,000	47	<4.0[4]	<4.0[4]	<4.0[4]	--
	06/30/15	1,900	<5,000[5]	110	4.0	<1.0	<1.0	--
	08/25/15	1,800	<5,000[5]	50	1.7	<1.0	<1.0	--
	01/28/16	6,800	53,000[5]/43,000[3]	280[4]	98[4]	190[4]	178[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-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	--
	01/28/16	<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						
	01/28/16	Not Sampled - Car Parked Over Well						

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

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

Legend/Key:

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

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

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	1,2-EDB (µg/L)
MW-1	07/25/08	NA	NA	NA	NA	NA	NA	NA	NA	NA
(deep)	01/23/09	<5.0	61	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<5.0
	07/21/09	<10.0	80	<10.0	<10.0	<10.0	<10,000	<1,000	<10.0	<10.0
	01/25/10	<5.0	<20	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<5.0
	07/29/10	Not Sampled - Free Product present								
	01/31/11	Not Sampled - Free Product present								
	07/12/11	Not Sampled - Free Product present								
	01/17/12	Not Sampled - Free Product present								
	07/16/12	<10	<200	<20	<20	<20	--	--	<20	<40
	01/14/13	<40[1]	<800[1]	<80[1]	<80[1]	<80[1]	--	--	<80[1]	<160[1]
	07/15/13	<20[1]	<400[1]	<40[1]	<40[1]	<40[1]	--	--	<40[1]	<80[1]
	01/30/14	<20[1]	<400[1]	<40[1]	<40[1]	<40[1]	--	--	<40[1]	<80[1]
	09/30/14	<5.0[1]	<100[1]	<10[1]	<10[1]	<10[1]	--	--	<10[1]	<20[1]
	02/24/15	<4.0[1]	<80[1]	<8.0[1]	--	<8.0[1]	--	--	<8.0[1]	<16[1]
	06/30/15	<1.5[1]	<30[1]	<3.0[1]	<3.0[1]	<3.0[1]	--	--	<3.0[1]	<6.0[1]
	08/25/15	<4.0[1]	<80[1]	<8.0[1]	<8.0[1]	<8.0[1]	--	--	<8.0[1]	<16[1]
	01/28/16	<5.0[1]	<100[1]	<10[1]	<10[1]	<10[1]	--	--	<10[1]	<20[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
	01/28/16	<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
	01/28/16	Unable to Sample - Car Parked Over Well								

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]
	01/28/16	1.5[1]	<30[1]	<3.0[1]	<3.0[1]	<3.0[1]	--	--	<3.0[1]	<6.0[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
	01/28/16	<1.0[1]	<20[1]	<2.0[1]	<2.0[1]	<2.0[1]	--	--	4.1	<4.0[1]
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
	01/28/16	<0.50[1]	<10[1]	<1.0[1]	<1.0[1]	<1.0[1]	--	--	<1.0[1]	<2.0[1]

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]
	01/28/16	<1.5[1]	<30[1]	<3.0[1]	<3.0[1]	<3.0[1]	--	--	<3.0[1]	<6.0[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
	01/28/16	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0

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

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	1,2-EDB (µg/L)
MW-9 (shallow)	07/25/08	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	0.75	<0.5
	01/23/09	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	07/21/09	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	01/25/10	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<0.5
	07/29/10	<0.50	<10	<1.0	<1.0	<1.0	<5,000	<5,000	<1.0	<2.0
	01/31/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/12/11	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/17/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/16/12	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/14/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	07/15/13	<0.50	<10	<1.0	<1.0	<1.0	--	--	<1.0	<2.0
	01/30/14	--	--	--	--	--	--	--	--	--
	09/30/14	--	--	--	--	--	--	--	--	--
	02/24/15	<1.0[1]	<20[1]	<2.0[1]	--	<2.0[1]	--	--	<2.0[1]	<4.0[1]
	06/30/15	Unable to Sample - Well Dry								
	08/25/15	Unable to Sample - Well Dry								
	01/28/16	Unable to Sample - Car Parked Over Well								

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]
	01/28/16	<10[2]	<10[2]	<10[2]	47	16	<10[2]	<10[2]	<10[2]	27
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
	01/28/16	<1.0	<1.0	1.0	1.1	<1.0	<1.0	<1.0	4.3	<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
	01/28/16	Unable to Sample - Car Parked Over Well								
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
	01/28/16	<3.0[2]	14	<3.0[2]	370	<3.0[2]	<3.0[2]	<3.0[2]	<3.0[2]	140

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
	01/28/16	<2.0[2]	<2.0[2]	4.1	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]	<2.0[2]
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
	01/28/16	<1.0[2]	<1.0[2]	<1.0[2]	<1.0[2]	<1.0[2]	<1.0[2]	<1.0[2]	<1.0[2]	<1.0[2]

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
	01/28/16	<3.0[2]	<3.0[2]	<3.0[2]	93	4.5	<3.0[2]	<3.0[2]	3.1	6.7
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
	01/28/16	<1.0	<1.0	<1.0	2.8	<1.0	<1.0	1.8	1.6	1.1

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								
	01/28/16	Unable to Sample - Car Parked Over Well								

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
10/6/15 7:00		6,257.0	9.0	0.0873	100	1,500	130.9	1,534	1,210	0.0218	69	3,625	79	13	2.0
10/20/15 10:00		6,595.0	10.0	0.0873	110	1,500	130.9	1,548	1,306	0.0218	66	3,715	81	12	1.0
11/9/15 6:21		7,073.0	11.0	0.0873	90	1,300	113.4	1,572	1,398	0.0218	57	3,539	77	18	1.2
11/10/15 6:00	9	7,096.0	--	--	--	--	--	--	--	--	--	--	--	--	--
Average			11		93	1407	122.8	1,513	1,257		64	2,969	65	46	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 restarted 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 restarted for continuous operation.
9 End of remedial event. System shut down and removed from site.

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	--	--
10/6/15 7:00		--	--	28.30	23.65	--	--
10/20/15 10:00		5.79	15.02	20.70	23.99	0.00	5.70
11/9/15 6:21		--	--	34.40	22.81	--	--
11/10/15 6:00		--	--	--	--	--	--
Average		5.86	14.48	29.63	20.87	4.77	4.20

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
10/06/15		7:08	130.9	123.4	100	9	ASYS INF	STR15100748-01A	**32**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.40
		7:05					A EFF	STR15100744-01A	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.40
11/09/15		6:46	113.4	108.9	90	11	ASYS INF	STR15111025-01A	**64**	<0.20	<0.20	<0.20	**0.33**	<0.20	<0.40	<0.40	<0.40	<0.40
		6:43					A EFF	STR15111024-01A	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.40

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	Effluent Flowrate[2]	Sys. Influent Conc. (mg/m^3)			Effluent Conc. (mg/m^3)			Extraction Rate from Wells (lbs/day)[2]			Emissions Rate to Atmosphere (lbs/day)			Destruction Removal Efficiency (%)	Cumulative GRO Removal (lbs)	
				(scfm)	(scfm)	GRO	Benzene	MTBE	GRO	Benzene	MTBE	GRO	Benzene	MTBE	GRO	Benzene	MTBE	GRO	Period	Total
11/20/14	1	11:30	15,632.1	128.0	208.0	150	<0.20	<0.20	<20	<0.20	<0.20	1.73	<0.002	<0.002	<0.37	<0.004	<0.004	78.3	0.1	0.1
12/18/14	2	10:40	0.0	125.7	205.7	33	0.41	<0.20	<20	<0.20	<0.20	0.37	0.005	<0.002	<0.37	<0.004	<0.004	--	--	0.1
1/5/15		9:07	430.0	123.4	203.4	<20	<0.20	<0.20	<20	<0.20	<0.20	<0.29	<0.003	<0.002	<0.37	<0.004	<0.004	--	5.3	5.3
2/2/15		8:15	1,101.0	124.5	204.5	<20	<0.20	<0.20	<20	<0.20	<0.20	<0.22	<0.002	<0.002	<0.37	<0.004	<0.004	--	6.3	11.6
3/10/15		9:08	1,965.0	104.7	184.7	45	<0.20	<0.20	<20	<0.20	<0.20	0.31	<0.002	<0.002	<0.33	<0.003	<0.003	--	11.0	22.6
4/2/15		6:20	2,514.0	104.7	184.7	730	0.26	<0.036	<7	0.0017	<0.0072	3.65	<0.002	<0.001	<0.12	<0.000	<0.000	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
10/6/15		7:08	6,257.0	123.4	203.4	32	<0.20	<0.20	<20	<0.20	<0.20	0.54	<0.002	<0.002	<0.37	<0.004	<0.004	--	18.9	326.7
11/9/15		6:46	7,073.0	108.9	188.9	64	<0.20	<0.20	<20	<0.20	<0.20	0.47	<0.002	<0.002	<0.34	<0.003	<0.003	--	16.0	342.7
11/10/15		--	7,096.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.5	343.1

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

Notes:

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

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

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

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

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

Date	Notes	Sample Time	Sample Location	Laboratory Sample ID	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Napthalene	PCE	TCE	Vinyl chloride	1,2 DCA	Chloro benzene
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
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
10/06/15		7:30	WINF	STR15100748-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		7:25	WGAC1	STR15100748-03A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
		7:20	WEFF	STR15100744-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
11/09/15		6:40	WINF	STR15111025-02A	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0[4]	<1.0	<1.0	<1.0	<1.0	--
		6:35	WGAC1	STR15111025-03A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	--
		6:30	WEFF	STR15111024-02A	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	--

Legend / Key:

GRO = Gasoline Range Organics C4-C13

MTBE = Methyl tertiary butyl ether

BTEX = Benzene, toluene, ethylbenzene, xylenes

µg/L = micrograms per liter

-- = Not analyzed

PCE = tetrachloroethene

TCE = trichloroethene

1,2 DCA = 1,2 - Dichloroethane

Analytical Methods /Laboratory:

GRO analyzed using EPA Method SW8015B/SW8260B

BTEX and MTBE analyzed using EPA Method SW8260B

Volatile Organics analyzed using EPA Method 624/SW8260

Lead analyzed using EPA Method 200.8

Alpha Analytical, Inc. (ELAP # 2019)

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

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

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

[4] Reporting limits were increased due to sample foaming.

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	0.001
1/5/15		9:25	430.0	219,180	3,150	4,490	0.13	<50	0.0013	0.002
2/2/15		8:35	1,101.0	221,340	2,160	6,650	0.05	<50	0.0009	0.003
3/10/15		9:22	1,965.0	226,420	5,080	11,730	0.10	<50	0.0021	0.005
4/2/15	3	6:20	2,514.0	228,870	2,450	14,180	0.07	92	0.0019	0.007
5/5/15		9:20	3,309.0	232,510	3,640	17,820	0.08	<50	0.0015	0.009
6/2/15		6:35	3,979.0	235,120	2,610	20,430	0.06	<50	0.0011	0.010
7/15/15		9:17	4,654.0	237,260	2,140	22,570	0.05	200,000	1.79	1.80
8/10/15		10:05	4,890.0	238,200	940	23,510	0.07	7,600	0.81	2.61
9/1/15		6:36	5,416.0	239,230	1,030	24,540	0.03	<50	0.03	2.64
10/6/15		7:30	6,257.0	240,470	1,240	25,780	0.02	<50	0.001	2.64
11/9/15		6:40	7,073.0	241,850	1,380	27,160	0.03	<100	0.001	2.64
11/10/15	4	--	7,096.0	241,900	50	27,210	0.04	--	0.00004	2.64

Legend / Key:

GRO = Gasoline Range Organics C4-C13 | TBA = Tertiary Butyl Alcohol

DRO = Diesel Range Organics C13-C22 | µg/L = micrograms per litre | lbs = pounds

MTBE = Methyl tertiary butyl ether | gpm = gallons per minute | -- = 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.

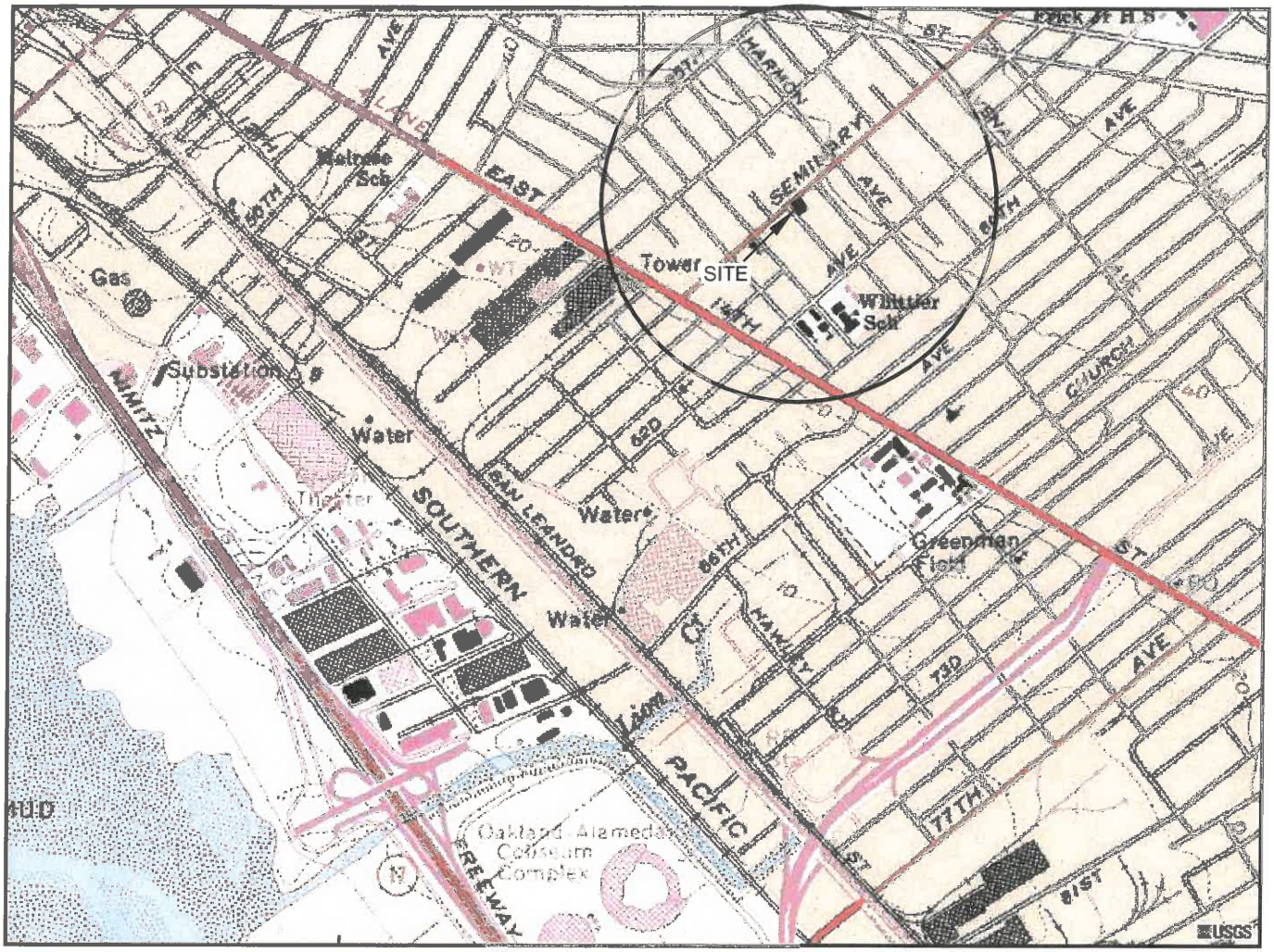
Notes:

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 restarted at zero reading.

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

4 System shut down, end of remedial event, all equipment demobilized from project site.



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

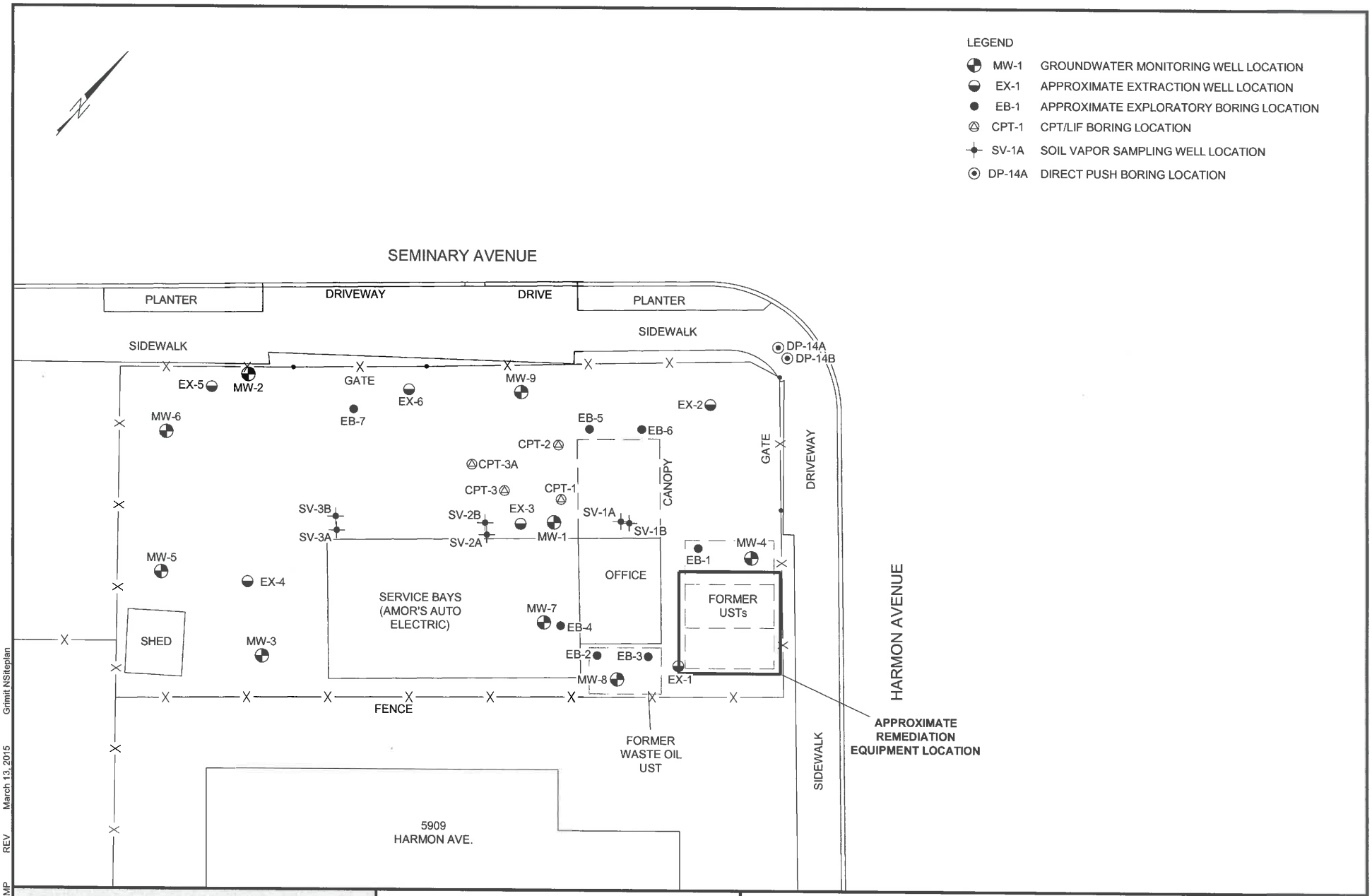
N

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

LEGEND

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

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

STRATUS ENVIRONMENTAL, INC.

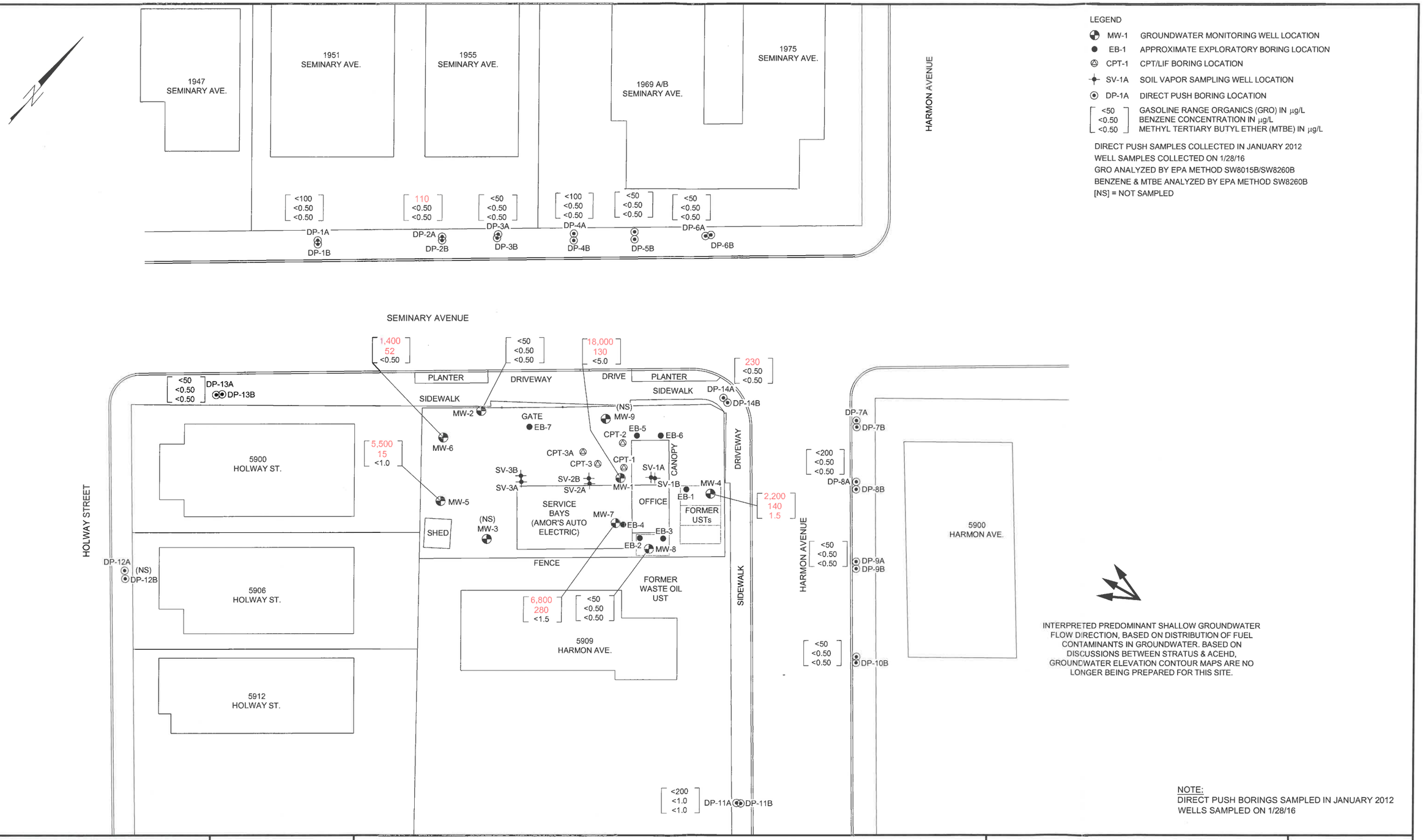
PATH NAME: Grimit Auto
DRAFTER INITIALS: JED
DATE LAST REVISED: July 27, 2015
FILENAME: Grimit Site Vicinity Map

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 1/28/16
GRO ANALYZED BY EPA METHOD SW8015B/SW8260B
BENZENE & MTBE ANALYZED BY EPA METHOD SW8260B
[NS] = NOT SAMPLED

INTERPRETED PREDOMINANT SHALLOW GROUNDWATER FLOW DIRECTION, BASED ON DISTRIBUTION OF FUEL CONTAMINANTS IN GROUNDWATER. BASED ON DISCUSSIONS BETWEEN STRATUS & ACEHD, GROUNDWATER ELEVATION CONTOUR MAPS ARE NO LONGER BEING PREPARED FOR THIS SITE.

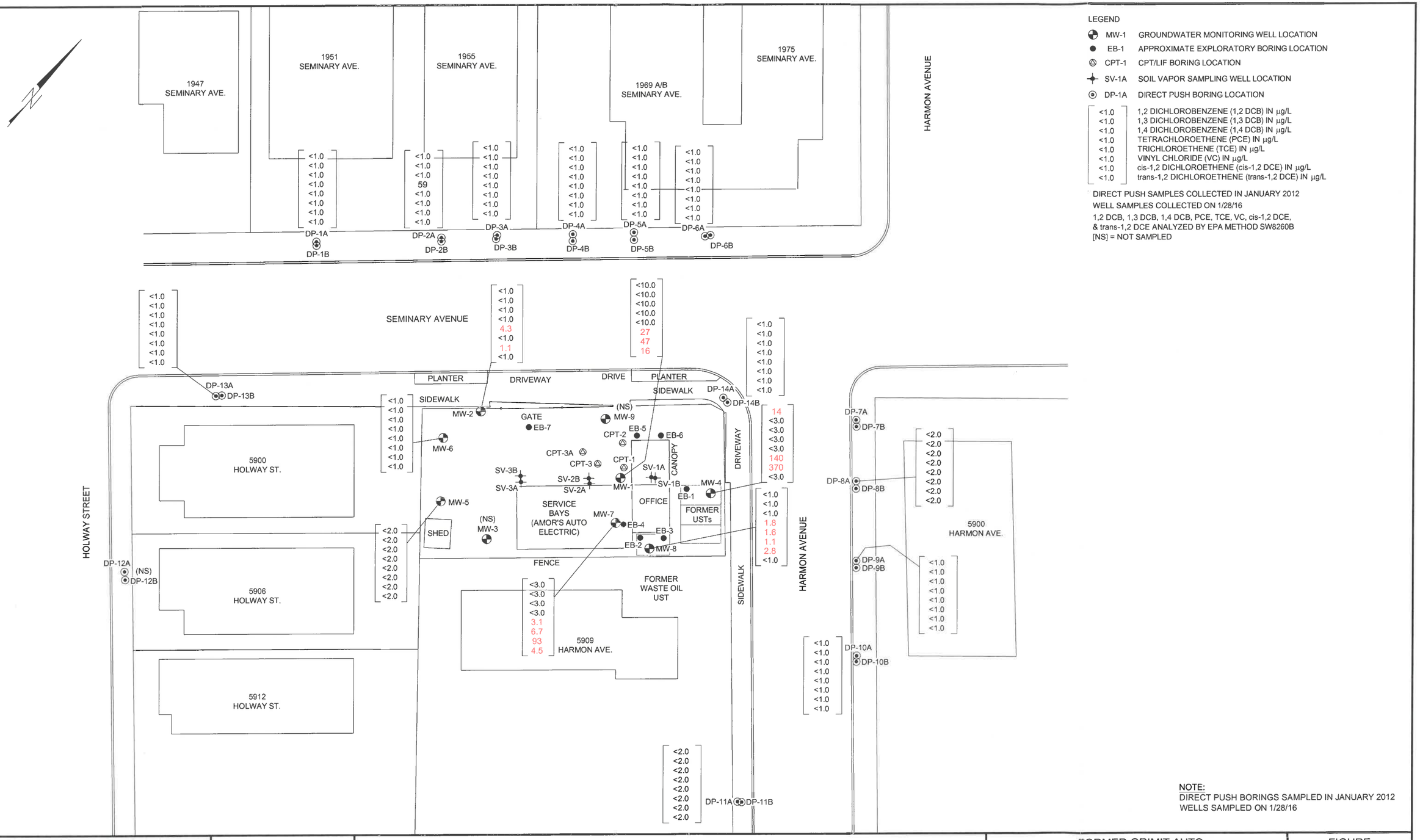
NOTE:
DIRECT PUSH BORINGS SAMPLED IN JANUARY 2012
WELLS SAMPLED ON 1/28/16

STRATUS ENVIRONMENTAL, INC.

PATH NAME: Grimit Auto\Quarterly
DRAFTER INITIALS: DMG
DATE LAST REVISED: February 25, 2016
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 1/28/16
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

NOTE:
DIRECT PUSH BORINGS SAMPLED IN JANUARY 2012
WELLS SAMPLED ON 1/28/16

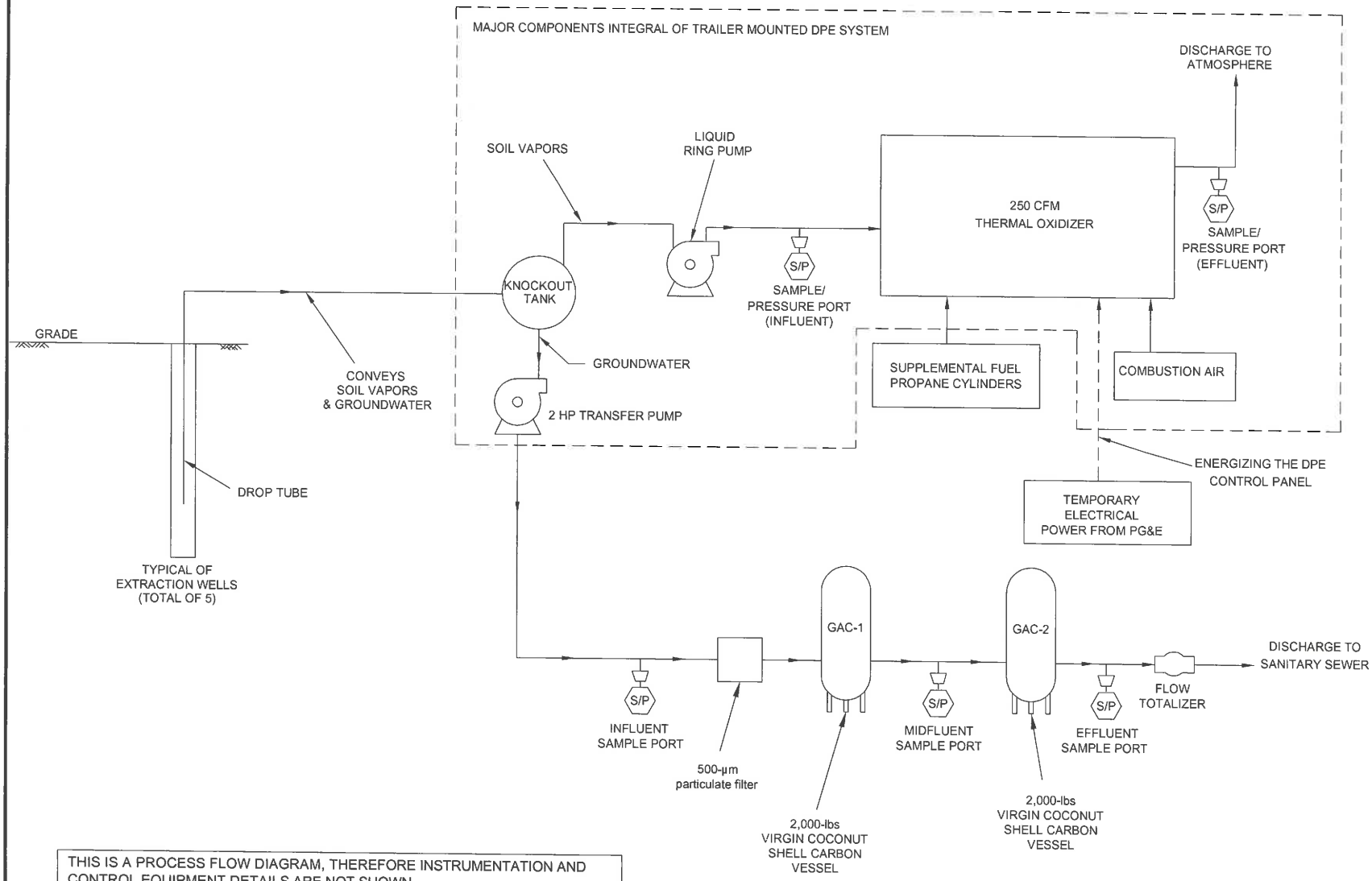
STRATUS ENVIRONMENTAL, INC.

PATH NAME: Grimit Auto\Quarterly
DRAFTER INITIALS: DMG
DATE LAST REVISED: February 25, 2016
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 CHH

Site Number Brandt Auto
Project Number
Project PM Scott
DATE 1-28-16

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	0825		14.30	34.60	20.30	2	.5	10	10		x			16.85	1	1113	—
mw 2	0823		10.37	35.10	24.73	2	.5	12	12		x			23.98	2	1047	1.43
mw 3	CAN			20.40		2	.5								3		
mw 4	0829		13.51	34.60	21.09	2	.5	10	10		x			23.42	4	1118	0.88
mw 5	0830		16.48	34.92	18.44	2	.5	9	9		x			21.68	5	1038	1.26
mw 6	0831		7.58	19.25	10.67	2	.5	5	5		x			9.31	6	1054	3.24
mw 7	0826		14.64	31.88	17.24	2	.5	8	8		x			17.32	7	1102	1.28
mw 8	0827		2.20	19.12	16.92	2	.5	8	8		x			2-25	8	1029	
mw 9	CAN			20.09		2	.5								9		

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 1-12-16
Conductivity
DO

ORIGINAL

STRATUS ENVIRONMENTAL, INC.

Site Address Semoran Blvd
City Orlando
Sampled By:
Signature

Site Number Brownfield Area
Project Number
Project PM Scott
DATE 12/8/16

Well ID MW 5				9
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 0837	16.4	6.63	132.4	2
time 0844	17.0	6.78	134.0	4.5
time 0850	17.3	6.64	133.4	9
time				
purge stop time 1.20			ORP -7.8	

Well ID MW 2				12
Purge start time			Odor (Y) N	
	Temp C	pH	cond	gallons
time 0857	17.6	6.65	133.6	2
time 0902	18.2	6.65	135.8	6
time 0908	18.7	6.70	136.9	12
time				
purge stop time 1.43			ORP -7.8	

Well ID MW 6				5
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 0912	16.9	6.52	139.7	0
time 0917	17.7	6.52	137.7	2.5
time				5
time				
purge stop time 3.24			ORP 2.4	

Well ID MW 1				10
Purge start time			Odor Y N	
	Temp C	pH	cond	gallons
time	Henry Shelly			
time	MS Reading			
time				
time				
purge stop time			ORP	

Well ID MW 7 Shelly				8
Purge start time			Odor (Y) N	
	Temp C	pH	cond	gallons
time 0934	17.4	6.60	143.6	2
time 0940	17.8	6.74	146.0	4
time 0946	17.9	6.79	143.9	6
time				
purge stop time 1.24			ORP -3.9	

Well ID MW 4 Shelly				10
Purge start time			Odor (Y) N	
	Temp C	pH	cond	gallons
time 0951	18.4	6.61	126.4	2
time 0957	18.4	6.62	131.0	5
time 1005	19.0	6.67	131.4	10
time				
purge stop time 0.98			ORP -5.7	

Well ID MW 8				8
Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 1010	14.8	6.82	126.4	2
time 1014	14.8	6.82	119.4	4
time 1019	14.7	6.80	117.2	6
time				
purge stop time 1.54			ORP -17.1	

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

Billing Information:

Company: [illegible]
Attn:
Address: [illegible]
City, State, Zip: [illegible]
Phone Number: Fax:

Alpha Analytical, Inc. Environmental Lab

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

64538

Page # 1 of 1

Consultant/ Client Info:
Company: [illegible]
Address:
City, State, Zip:

Job and Purchase Order Info:
Job #
Job Name: [illegible]
P.O. #:

Report Attention/Project Manager:
Name: [illegible]
Email Address:
Phone #:
Cell #:

QC Deliverable Info:
EDD Required? Yes / No EDF Required? Yes / No
Global ID: T0600100667
Data Validation Packages: III or IV

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

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	GRO	BTEX	5 Oxys	1,2-DCA	EDB	Oil & Grease	HVOCs				Remarks
1111	12/28	AQ		MW-1	STD	8		X	X	X	X	X	X	X	X				
1047				MW-2		8													
1118				MW-4		8													
1038				MW-5		8													
1054				MW-6		8													
1102				MW-7		8													
1025	12/28	AQ		MW-8	STD	8		X	X	X	X	X	X	X	X				

ADDITIONAL INSTRUCTIONS: oil + Grease silica gel clean up

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: [illegible]

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[illegible]	122816	1438	[illegible]	012816	1438

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

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

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

ORIGINAL

Date:	10615	Technician:	CHILL
Onsite Time:	0710	Project Engineer:	Debbie
Offsite Time:	0805	Weather Conditions:	Clear
		Ambient Temperature:	53

System Information

System Status Upon Arrival:	Operational	☒	Non-Operational	☐
System Status Upon Departure:	Operational	☒	Non-Operational	☐
Electric Meter Reading:	71864			
Hour Meter Reading:	6257	Chart Recorder Paper Replaced	☒ Yes ☐ No	
Propane Usage:	70%			
		Inf pH	8.26	
Totalizer Reading on DPE Unit:	240470	Eff pH	7.79	
		Dilution Air Pipe Diameter	2	
Combustion Chamber Operating Temperature:	1534	Dilution Air Flow/Temp	3625 / 69°F	

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Air Velocity, FPM		1500		
Pipe Diameter, inches				
Air Flow Rate, cfm (<250)				
Applied Vacuum, "Hg/"WC	9" Hg			
Temperature, deg F		100	1210	
PID Readings, ppmv		13	2.0	

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	23.65'	-28.3
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	10/19 0708	I WINF	10/19 0730
E AEFF	0705	I WGAC1	0725
		I WEFF	0720

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

ORIGINAL

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

Date:	10 20 15	Technician:	CH/LC
Onsite Time:	1000	Project Engineer:	Debbie
Offsite Time:	1030	Weather Conditions:	Clear
		Ambient Temperature:	65

System Information

System Status Upon Arrival:	Operational	☒	Non-Operational	☐
System Status Upon Departure:	Operational	☐	Non-Operational	☐
Electric Meter Reading:	76065			
Hour Meter Reading:	6595	Chart Recorder Replaced	Paper	☐ Yes ☒ No
Propane Usage:	650 lb			
		Inf pH		
Totalizer Reading on DPE Unit:	240970	Eff pH		
		Dilution Air Pipe Diameter		2
Combustion Chamber Operating Temperature:	1548	Dilution Air Flow/Temp		3715 / 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	10"Hg			
Temperature, deg F		110	1306	
PID Readings, ppmv		12	1.0	

Other Readings/Measurements

Well ID	Stinger Depth	% Open	PID	Vacuum @ Wellhead	Well ID	Depth to Water	Induced Vacuum
EX-1		100			MW-1		
EX-2		100			MW-2	15.02	-5.79
EX-3		100			MW-3		
EX-4					MW-4	23.99	-20.7
EX-5					MW-5		
EX-6		100			MW-6		
MW1		100			MW-7		
					MW-8	5.70	0
					MW-9		

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

ORIGINAL

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

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

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

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

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

ORIGINAL

Date: 11915
Onsite Time: 0821
Offsite Time: 0730

Technician: CHILL
Project Engineer: Dubtan
Weather Conditions: Rain
Ambient Temperature: 48

System Information

System Status Upon Arrival: Operational [X] Non-Operational [ ]
System Status Upon Departure: Operational [X] Non-Operational [ ]
Electric Meter Reading: 820495
Hour Meter Reading: 7073
Chart Recorder Paper Replaced: [ ] Yes [X] No
Propane Usage: 30%
Totalizer Reading on DPE Unit: 241850
Inf pH 8.19
Eff pH 7.63
Dilution Air Pipe Diameter 2
Combustion Chamber Operating Temperature: 1572
Dilution Air Flow/Temp 3539 FPM 57°

Field Measurements

Parameter	Influent (Total)	System-Influent	Effluent	Comments
Air Velocity, FPM		1300		
Pipe Diameter, inches		4		
Air Flow Rate, cfm (<250)				
Applied Vacuum, "Hg/"WC	11"/46			
Temperature, deg F		90	1348	
PID Readings, ppmv		18	1.2	

Other Readings/Measurements H2O

Well ID	Stinger Depth	% Open	PID	Vacuum @ Wellhead	Well ID	Depth to Water	Induced Vacuum
EX-1		100			MW-1		
EX-2		100			MW-2		
EX-3		100			MW-3		
EX-4					MW-4	22.81	34.4
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	11915 0646	I WINF	X915 0640
E AEFF	1 0643	I WGAC1	1 0635
		I WEFF	1 0630

Carbon Sample 0700

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

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

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

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

ORIGINAL

Date: 1) 11 13
Onsite Time: 0800
Offsite Time:

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

System Information

System Status Upon Arrival: Operational ☒ Non-Operational ☐
System Status Upon Departure: Operational ☐ Non-Operational ☒ Removed system
Electric Meter Reading:
Hour Meter Reading: 7096
Chart Recorder Paper Replaced ☐ Yes ☐ No
Propane Usage:
Inf pH
Totalizer Reading on DPE Unit: 241900
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		

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 : 10/07/15

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 :	STR15100748-01A	TPH-P (GRO)	32	20 mg/m³	10/07/15 15:55	10/12/15
Date Sampled	10/06/15 07:08					
Client ID :	**Grim W INF**					
Lab ID :	STR15100748-02A	TPH-P (GRO)	ND	50 µg/L	10/13/15	10/13/15
Date Sampled	10/06/15 07:30					
Client ID :	**Grim W GAC1**					
Lab ID :	STR15100748-03A	TPH-P (GRO)	ND	50 µg/L	10/13/15	10/13/15
Date Sampled	10/06/15 07:25					

Gasoline Range Organics (GRO) C4-C13
Note: For sample -01A concentrations of air in a Tedlar Bag are at 25 degrees Celsius and 25.75 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.

10/14/15
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: STR15100748-01A
Client I.D. Number: Grim A SYS INF

Sampled: 10/06/15 07:08
Received: 10/07/15
Extracted: 10/07/15 15:55
Analyzed: 10/12/15

Volatile Organics by GC/MS
EPA Method SW8260B

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

Note: Concentrations of air in a Tedlar Bag are at 25 degrees Celsius and 25.75 inches of mercury.

ND = Not Detected

ACCLASS ACCREDITED DoD ELAP

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.

10/14/15
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: STR15100748-02A
Client I.D. Number: Grim W INF

Sampled: 10/06/15 07:30
Received: 10/07/15
Extracted: 10/13/15
Analyzed: 10/13/15

Volatile Organics by GC/MS
EPA Method 624/8260

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

ND = Not Detected

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.

10/14/15
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: STR15100748-03A
Client I.D. Number: Grim W GAC1

Sampled: 10/06/15 07:25
Received: 10/07/15
Extracted: 10/13/15
Analyzed: 10/13/15

Volatile Organics by GC/MS
EPA Method 624/8260

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

ND = Not Detected

Roger Scholl Randy Gardner

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

10/14/15
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: *14-Oct-15*

QC Summary Report

Work Order: 15100748

Method Blank

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

File ID: **15101206.D** Batch ID: **MS08A1012B** Analysis Date: **10/12/2015 12:36**

Sample ID: **MBLK MS08A1012B** Units : **mg/m³** Run ID: **MSD_08_151012A** Prep Date: **10/12/2015 12:36**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	10								
Surr: 1,2-Dichloroethane-d4	1.52		2		76	70	130			
Surr: Toluene-d8	2.37		2		119	70	130			
Surr: 4-Bromofluorobenzene	2.14		2		107	70	130			

Laboratory Control Spike

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

File ID: **15101203.D** Batch ID: **MS08A1012B** Analysis Date: **10/12/2015 11:07**

Sample ID: **GLCS MS08A1012B** Units : **mg/m³** Run ID: **MSD_08_151012A** Prep Date: **10/12/2015 11:07**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	423	10	400		106	70	130			
Surr: 1,2-Dichloroethane-d4	8.71		10		87	70	130			
Surr: Toluene-d8	9.55		10		96	70	130			
Surr: 4-Bromofluorobenzene	12.7		10		127	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: 14-Oct-15

QC Summary Report

Work Order: 15100748

Method Blank

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

File ID: **15101304.D** Batch ID: **MS08W1013B** Analysis Date: **10/13/2015 10:00**

Sample ID: **MBLK MS08W1013B** Units : **µg/L** Run ID: **MSD_08_151013A** Prep Date: **10/13/2015 10:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10.1		10		101	70	130			
Surr: Toluene-d8	10.3		10		103	70	130			
Surr: 4-Bromofluorobenzene	9.69		10		97	70	130			

Laboratory Control Spike

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

File ID: **15101303.D** Batch ID: **MS08W1013B** Analysis Date: **10/13/2015 09:36**

Sample ID: **GLCS MS08W1013B** Units : **µg/L** Run ID: **MSD_08_151013A** Prep Date: **10/13/2015 09:36**

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	9.4		10		94	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	11.6		10		116	70	130			

Sample Matrix Spike

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

File ID: **15101329.D** Batch ID: **MS08W1013B** Analysis Date: **10/13/2015 20:03**

Sample ID: **15100748-02AGS** Units : **µg/L** Run ID: **MSD_08_151013A** Prep Date: **10/13/2015 20:03**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2080	250	2000	0	104	54	143			
Surr: 1,2-Dichloroethane-d4	48.6		50		97	70	130			
Surr: Toluene-d8	50		50		99.9	70	130			
Surr: 4-Bromofluorobenzene	56.9		50		114	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15101330.D** Batch ID: **MS08W1013B** Analysis Date: **10/13/2015 20:26**

Sample ID: **15100748-02AGSD** Units : **µg/L** Run ID: **MSD_08_151013A** Prep Date: **10/13/2015 20:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2250	250	2000	0	113	54	143	2084	7.7(23)	
Surr: 1,2-Dichloroethane-d4	50.7		50		101	70	130			
Surr: Toluene-d8	49.3		50		99	70	130			
Surr: 4-Bromofluorobenzene	57.8		50		116	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: 14-Oct-15

QC Summary Report

Work Order: 15100748

Method Blank

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

File ID: **15101206.D** Batch ID: **MS08A1012A** Analysis Date: **10/12/2015 12:36**

Sample ID: **MBLK MS08A1012A** Units : **mg/m³** Run ID: **MSD_08_151012A** Prep Date: **10/12/2015 12:36**

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	1.52		2		76	70	130			
Surr: Toluene-d8	2.37		2		119	70	130			
Surr: 4-Bromofluorobenzene	2.14		2		107	70	130			

Laboratory Control Spike

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

File ID: **15101202.D** Batch ID: **MS08A1012A** Analysis Date: **10/12/2015 10:38**

Sample ID: **LCS MS08A1012A** Units : **mg/m³** Run ID: **MSD_08_151012A** Prep Date: **10/12/2015 10:38**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.4	0.2	10		104	70	130			
Methyl tert-butyl ether (MTBE)	13.7	0.1	10		137	63	137			
Benzene	10.3	0.1	10		103	70	130			
Trichloroethene	10.9	0.2	10		109	68	138			
Toluene	10.6	0.1	10		106	70	130			
Chlorobenzene	10.4	0.2	10		104	70	130			
Ethylbenzene	9.94	0.1	10		99	70	130			
m,p-Xylene	10	0.1	10		100	65	139			
o-Xylene	9.97	0.1	10		99.7	70	130			
Surr: 1,2-Dichloroethane-d4	9.13		10		91	70	130			
Surr: Toluene-d8	9.56		10		96	70	130			
Surr: 4-Bromofluorobenzene	11.9		10		119	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: *14-Oct-15*

QC Summary Report

Work Order: 15100748

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: 14-Oct-15

QC Summary Report

Work Order: 15100748

Method Blank

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

File ID: **15101304.D** Batch ID: **MS08W1013A** Analysis Date: **10/13/2015 10:00**

Sample ID: **MBLK MS08W1013A** Units : µg/L Run ID: **MSD_08_151013A** Prep Date: **10/13/2015 10:00**

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	10.1		10		101	70	130			
Surr: Toluene-d8	10.3		10		103	70	130			
Surr: 4-Bromofluorobenzene	9.69		10		97	70	130			

Laboratory Control Spike

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

File ID: **15101302.D** Batch ID: **MS08W1013A** Analysis Date: **10/13/2015 09:13**

Sample ID: **LCS MS08W1013A** Units : µg/L Run ID: **MSD_08_151013A** Prep Date: **10/13/2015 09:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	8.29	1	10		83	70	130			
Methyl tert-butyl ether (MTBE)	13.7	0.5	10		137	63	137			
Benzene	9.81	0.5	10		98	70	130			
Trichloroethene	10.3	1	10		103	68	138			
Toluene	9.88	0.5	10		99	70	130			
Chlorobenzene	9.97	1	10		99.7	70	130			
Ethylbenzene	9.2	0.5	10		92	70	130			
m,p-Xylene	9.43	0.5	10		94	65	139			
o-Xylene	9.37	0.5	10		94	70	130			
Surr: 1,2-Dichloroethane-d4	9.41		10		94	70	130			
Surr: Toluene-d8	9.46		10		95	70	130			
Surr: 4-Bromofluorobenzene	11.9		10		119	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: *14-Oct-15*

QC Summary Report

Work Order: 15100748

Sample Matrix Spike

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

File ID: **15101327.D** Batch ID: **MS08W1013A** Analysis Date: **10/13/2015 19:15**

Sample ID: **15100748-02AMS** Units : **µg/L** Run ID: **MSD_08_151013A** Prep Date: **10/13/2015 19:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	55.9	2.5	50	0	112	62	133			
Methyl tert-butyl ether (MTBE)	80.1	1.3	50	0	160	56	140			M1
Benzene	57	1.3	50	0	114	67	134			
Trichloroethene	57	2.5	50	0	114	68	138			
Toluene	53.9	1.3	50	0	108	38	130			
Chlorobenzene	53.6	2.5	50	0	107	70	130			
Ethylbenzene	49.8	1.3	50	0	99.6	70	130			
m,p-Xylene	50.2	1.3	50	0	100	65	139			
o-Xylene	50.4	1.3	50	0	101	69	130			
Surr: 1,2-Dichloroethane-d4	50.8		50		102	70	130			
Surr: Toluene-d8	44.1		50		88	70	130			
Surr: 4-Bromofluorobenzene	57.4		50		115	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15101328.D** Batch ID: **MS08W1013A** Analysis Date: **10/13/2015 19:39**

Sample ID: **15100748-02AMSD** Units : **µg/L** Run ID: **MSD_08_151013A** Prep Date: **10/13/2015 19:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	53.5	2.5	50	0	107	62	133	55.94	4.5(35)	
Methyl tert-butyl ether (MTBE)	78.9	1.3	50	0	158	56	140	80.05	1.5(40)	M1
Benzene	55.1	1.3	50	0	110	67	134	56.98	3.5(21)	
Trichloroethene	55.8	2.5	50	0	112	68	138	57.04	2.3(20)	
Toluene	53.2	1.3	50	0	106	38	130	53.88	1.3(20)	
Chlorobenzene	52.7	2.5	50	0	105	70	130	53.57	1.7(20)	
Ethylbenzene	48.7	1.3	50	0	97	70	130	49.79	2.3(20)	
m,p-Xylene	49.4	1.3	50	0	99	65	139	50.24	1.7(20)	
o-Xylene	49.5	1.3	50	0	99	69	130	50.43	1.8(20)	
Surr: 1,2-Dichloroethane-d4	49.8		50		99.7	70	130			
Surr: Toluene-d8	44.5		50		89	70	130			
Surr: 4-Bromofluorobenzene	57		50		114	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.

M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.

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 : STR15100748

Report Due By : 5:00 PM On : 15-Oct-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 # : 01913 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
4 °C	07-Oct-15	07-Oct-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
STR15100748-01A	Grim A SYS INF	AR	10/06/15 07:08	1	0	6	GAS-N/C		8260/OXYS/ EDB_S						Tedlar.
STR15100748-02A	Grim W INF	AQ	10/06/15 07:30	6	0	6		GAS-C		8260/OXYS/ EDB/Naph_C s					
STR15100748-03A	Grim W GAC1	AQ	10/06/15 07:25	6	0	6		GAS-C		8260/OXYS/ EDB/Naph_C s					

Comments: No 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.	10/7/15 1210

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:

Address:

City, State, Zip:

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

01913

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	PCE TCE VOCs	Vinyl chloride	Chlorobenzene	n-Propyl benzene	1,2,4 Trimethyl Benzene	Remarks
0708	10/14/15	AR		Grim A Sys Inf	STD	1		X	X	X	X		X	X	X	X	X	
0705	10/14/15	AR		Grim A Eff	24	1		X	↓	↓	X		X	↓	↓	X	X	
0730	10/14/15	AQ		Grim W Inf	STD	6		X	X	X	X	X	X	X				
0725	↓	AQ		Grim W Gac 1	STD	6		X	X	X	X	X	X	X				
0720	10/14/15	AQ		Grim W Eff	24	6		X	X	X	X	X	X	X				

ADDITIONAL INSTRUCTIONS: Fed Ex

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

Sampled By: CHILL

Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Chill Stockes				10/17/15	1230
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:

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

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

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 : 10/07/15

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 :	STR15100744-01A	TPH-P (GRO)	ND	20 mg/m³	10/07/15 15:30	10/08/15
Date Sampled	10/06/15 07:05					
Client ID :	**Grim W EFF**					
Lab ID :	STR15100744-02A	TPH-P (GRO)	ND	50 µg/L	10/08/15	10/08/15
Date Sampled	10/06/15 07:20					

Gasoline Range Organics (GRO) C4-C13
Note: For sample -01A concentrations of air in a Tedlar Bag are at 25 degrees Celsius and 25.75 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.

10/9/15
Report Date

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

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

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

Alpha Analytical Number: STR15100744-01A
Client I.D. Number: Grim A EFF

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

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	ND	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 Tedlar Bags are at 25 degrees Celsius and 25.75 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.

ACLASS ACCREDITED DoD ELAP

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.

10/9/15
Report Date

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

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

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

Alpha Analytical Number: STR15100744-02A
Client I.D. Number: Grim W EFF

Sampled: 10/06/15 07:20
Received: 10/07/15
Extracted: 10/08/15
Analyzed: 10/08/15

Volatile Organics by GC/MS
EPA Method 624/8260

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

ND = Not Detected

Roger Scholl Randy Gardner

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

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.

10/9/15
Report Date

Alpha Analytical, Inc.

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

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

VOC Sample Preservation Report

Work Order: STR15100744 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15100744-02A	Grim W EFF	Aqueous	2

10/9/15

Report Date

Alpha Analytical, Inc.

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

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

Date: *13-Oct-15*

QC Summary Report

Work Order: 15100744

Method Blank

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

File ID: **15100807.D** Batch ID: **MS08A1008B** Analysis Date: **10/08/2015 13:13**

Sample ID: **MBLK MS08A1008B** Units : **mg/m³** Run ID: **MSD_08_151008A** Prep Date: **10/08/2015 13:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	10								
Surr: 1,2-Dichloroethane-d4	2.08		2		104	70	130			
Surr: Toluene-d8	2.04		2		102	70	130			
Surr: 4-Bromofluorobenzene	1.89		2		95	70	130			

Laboratory Control Spike

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

File ID: **15100805.D** Batch ID: **MS08A1008B** Analysis Date: **10/08/2015 12:17**

Sample ID: **GLCS MS08A1008B** Units : **mg/m³** Run ID: **MSD_08_151008A** Prep Date: **10/08/2015 12:17**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	431	10	400		108	70	130			
Surr: 1,2-Dichloroethane-d4	8.06		10		81	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	12.5		10		125	70	130			

Comments:

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

Alpha Analytical, Inc.

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

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

Date: *13-Oct-15*

QC Summary Report

Work Order: 15100744

Method Blank

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

File ID: **15100804.D** Batch ID: **MS15W1008B** Analysis Date: **10/08/2015 11:36**

Sample ID: **MBLK MS15W1008B** Units : **µg/L** Run ID: **MSD_15_151008A** Prep Date: **10/08/2015 11:36**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10.5		10		105	70	130			
Surr: Toluene-d8	9.24		10		92	70	130			
Surr: 4-Bromofluorobenzene	10.6		10		106	70	130			

Laboratory Control Spike

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

File ID: **15100803.D** Batch ID: **MS15W1008B** Analysis Date: **10/08/2015 11:04**

Sample ID: **GLCS MS15W1008B** Units : **µg/L** Run ID: **MSD_15_151008A** Prep Date: **10/08/2015 11:04**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	378	50	400		94	70	130			
Surr: 1,2-Dichloroethane-d4	11.3		10		113	70	130			
Surr: Toluene-d8	9		10		90	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: **15100941.D** Batch ID: **MS15W1008B** Analysis Date: **10/10/2015 01:12**

Sample ID: **15100240-03AGS** Units : **µg/L** Run ID: **MSD_15_151008A** Prep Date: **10/10/2015 01:12**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1250	250	2000	0	63	54	143			
Surr: 1,2-Dichloroethane-d4	55.8		50		112	70	130			
Surr: Toluene-d8	49.1		50		98	70	130			
Surr: 4-Bromofluorobenzene	50.8		50		102	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15100942.D** Batch ID: **MS15W1008B** Analysis Date: **10/10/2015 01:36**

Sample ID: **15100240-03AGSD** Units : **µg/L** Run ID: **MSD_15_151008A** Prep Date: **10/10/2015 01:36**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1140	250	2000	0	57	54	143	1250	9.6(23)	
Surr: 1,2-Dichloroethane-d4	56.2		50		112	70	130			
Surr: Toluene-d8	48.9		50		98	70	130			
Surr: 4-Bromofluorobenzene	49.3		50		99	70	130			

Comments:

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

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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

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

Date: *13-Oct-15*

QC Summary Report

Work Order: 15100744

Method Blank

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

File ID: **15100807.D** Batch ID: **MS08A1008A** Analysis Date: **10/08/2015 13:13**

Sample ID: **MBLK MS08A1008A** Units : **mg/m³** Run ID: **MSD_08_151008A** Prep Date: **10/08/2015 13:13**

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	2.08		2		104	70	130			
Surr: Toluene-d8	2.04		2		102	70	130			
Surr: 4-Bromofluorobenzene	1.89		2		95	70	130			

Laboratory Control Spike

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

File ID: **15100804.D** Batch ID: **MS08A1008A** Analysis Date: **10/08/2015 11:51**

Sample ID: **LCS MS08A1008A** Units : **mg/m³** Run ID: **MSD_08_151008A** Prep Date: **10/08/2015 11:51**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	8.65	0.2	10		87	70	130			
Methyl tert-butyl ether (MTBE)	11.7	0.1	10		117	63	137			
Benzene	9.17	0.1	10		92	70	130			
Trichloroethene	9.87	0.2	10		99	68	138			
Toluene	9.81	0.1	10		98	70	130			
Chlorobenzene	9.48	0.2	10		95	70	130			
Ethylbenzene	9.1	0.1	10		91	70	130			
m,p-Xylene	9.29	0.1	10		93	65	139			
o-Xylene	9.12	0.1	10		91	70	130			
Surr: 1,2-Dichloroethane-d4	8.63		10		86	70	130			
Surr: Toluene-d8	9.94		10		99	70	130			
Surr: 4-Bromofluorobenzene	12.2		10		122	70	130			

Alpha Analytical, Inc.

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

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

Date: *13-Oct-15*

QC Summary Report

Work Order: 15100744

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: *13-Oct-15*

QC Summary Report

Work Order: 15100744

Method Blank

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

File ID: **15100804.D** Batch ID: **MS15W1008A** Analysis Date: **10/08/2015 11:36**

Sample ID: **MBLK MS15W1008A** Units : **µg/L** Run ID: **MSD_15_151008A** Prep Date: **10/08/2015 11:36**

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	10.5		10		105	70	130			
Surr: Toluene-d8	9.24		10		92	70	130			
Surr: 4-Bromofluorobenzene	10.6		10		106	70	130			

Laboratory Control Spike

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

File ID: **15100802.D** Batch ID: **MS15W1008A** Analysis Date: **10/08/2015 10:40**

Sample ID: **LCS MS15W1008A** Units : **µg/L** Run ID: **MSD_15_151008A** Prep Date: **10/08/2015 10:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.86	1	10		99	70	130			
Methyl tert-butyl ether (MTBE)	12.5	0.5	10		125	63	137			
Benzene	10.3	0.5	10		103	70	130			
Trichloroethene	9.9	1	10		99	68	138			
Toluene	9.02	0.5	10		90	70	130			
Chlorobenzene	9.04	1	10		90	70	130			
Ethylbenzene	8.69	0.5	10		87	70	130			
m,p-Xylene	8.69	0.5	10		87	65	139			
o-Xylene	8.68	0.5	10		87	70	130			
Surr: 1,2-Dichloroethane-d4	10.5		10		105	70	130			
Surr: Toluene-d8	8.96		10		90	70	130			
Surr: 4-Bromofluorobenzene	9.83		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: *13-Oct-15*

QC Summary Report

Work Order: 15100744

Sample Matrix Spike

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

File ID: **15100939.D** Batch ID: **MS15W1008A** Analysis Date: **10/10/2015 00:23**

Sample ID: **15100240-03AMS** Units : **µg/L** Run ID: **MSD_15_151008A** Prep Date: **10/10/2015 00:23**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	46.6	2.5	50	0	93	62	133			
Methyl tert-butyl ether (MTBE)	66.7	1.3	50	0.52	132	56	140			
Benzene	47.8	1.3	50	0	96	67	134			
Trichloroethene	42.4	2.5	50	0	85	68	138			
Toluene	45.4	1.3	50	0	91	38	130			
Chlorobenzene	45.9	2.5	50	0	92	70	130			
Ethylbenzene	41.5	1.3	50	0	83	70	130			
m,p-Xylene	40.9	1.3	50	0	82	65	139			
o-Xylene	42.7	1.3	50	0	85	69	130			
Surr: 1,2-Dichloroethane-d4	53.2		50		106	70	130			
Surr: Toluene-d8	48.7		50		97	70	130			
Surr: 4-Bromofluorobenzene	48.6		50		97	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15100940.D** Batch ID: **MS15W1008A** Analysis Date: **10/10/2015 00:47**

Sample ID: **15100240-03AMSD** Units : **µg/L** Run ID: **MSD_15_151008A** Prep Date: **10/10/2015 00:47**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	43.4	2.5	50	0	87	62	133	46.56	7.0(35)	
Methyl tert-butyl ether (MTBE)	60.8	1.3	50	0.52	121	56	140	66.72	9.3(40)	
Benzene	44.3	1.3	50	0	89	67	134	47.78	7.5(21)	
Trichloroethene	39.4	2.5	50	0	79	68	138	42.44	7.4(20)	
Toluene	42.6	1.3	50	0	85	38	130	45.39	6.3(20)	
Chlorobenzene	43	2.5	50	0	86	70	130	45.87	6.6(20)	
Ethylbenzene	38.9	1.3	50	0	78	70	130	41.45	6.5(20)	
m,p-Xylene	38.7	1.3	50	0	77	65	139	40.89	5.6(20)	
o-Xylene	40.2	1.3	50	0	80	69	130	42.65	6.0(20)	
Surr: 1,2-Dichloroethane-d4	51.3		50		103	70	130			
Surr: Toluene-d8	49		50		98	70	130			
Surr: 4-Bromofluorobenzene	50.7		50		101	70	130			

Comments:

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

RUSH
CA

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

WorkOrder : STR15100744

Report Due By : 5:00 PM On : 08-Oct-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 # : 01913 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
4 °C	07-Oct-15	07-Oct-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
STR15100744-01A	Grim A EFF	AR	10/06/15 07:05	1	0	1	GAS-N/C		8260/OXYS/ EDB_S						Tedlar.
STR15100744-02A	Grim W EFF	AQ	10/06/15 07:20	6	0	1		GAS-C		8260/OXYS/ EDB/Naph_C s					

Comments: 24hr TAT. No security seals intact. Frozen ice. Chain split due to different TATs. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA AWARADI	Alpha Analytical, Inc.	10/7/15 1110

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:

Address:

City, State, Zip:

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

01913

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	PCE TCE VOCs	Vinyl chloride	Chlorobenzene	N-Propyl benzene	1,2,4 Trimethyl Benzene	Remarks
0708	10/5	AR		Grim A SysInf	STD	1		X	X	X	X		X X	X	X	X	X	
0705	10/5	AR	SIR15100744-01A	Grim A Effl	24	1		X	X	X	X		X	X	X	X	X	
0730	10/5	AQ		Grim W Inf	STD	6		X	X	X	X	X	X	X	X			
0725	"	AQ		Grim W Bag 1	STD	6		X	X	X	X	X	X	X	X			
0720	10/5	AQ	-02A	Grim W Effl	24	6		X	X	X	X	X	X	X	X			

ADDITIONAL INSTRUCTIONS: Fed Ex

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

Sampled By: CHILL

Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Chill Stantec				10/7/15	1020
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:

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

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

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 : 11/10/15

Job: Grimit Auto

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

		Parameter	Concentration		Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim A Sys INF**						
Lab ID :	STR15111025-01A	TPH-P (GRO)	64		20 mg/m³	11/10/15 16:50	11/17/15
Date Sampled	11/09/15 06:46	Vinyl chloride	ND		0.40 mg/m³	11/10/15 16:50	11/17/15
		Methyl tert-butyl ether (MTBE)	ND		0.20 mg/m³	11/10/15 16:50	11/17/15
		Benzene	ND		0.20 mg/m³	11/10/15 16:50	11/17/15
		Trichloroethene	ND		0.40 mg/m³	11/10/15 16:50	11/17/15
		Toluene	ND		0.20 mg/m³	11/10/15 16:50	11/17/15
		Tetrachloroethene	ND		0.40 mg/m³	11/10/15 16:50	11/17/15
		Chlorobenzene	ND		0.40 mg/m³	11/10/15 16:50	11/17/15
		Ethylbenzene	ND		0.20 mg/m³	11/10/15 16:50	11/17/15
		m,p-Xylene	0.33		0.20 mg/m³	11/10/15 16:50	11/17/15
		o-Xylene	ND		0.20 mg/m³	11/10/15 16:50	11/17/15
		n-Propylbenzene	ND		0.40 mg/m³	11/10/15 16:50	11/17/15
		1,2,4-Trimethylbenzene	ND		0.40 mg/m³	11/10/15 16:50	11/17/15
Client ID :	**Grim W INF**						
Lab ID :	STR15111025-02A	TPH-P (GRO)	ND		100 µg/L	11/17/15	11/17/15
Date Sampled	11/09/15 06:40	Vinyl chloride	ND		1.0 µg/L	11/17/15	11/17/15
		Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	11/17/15	11/17/15
		1,2-Dichloroethane	ND		1.0 µg/L	11/17/15	11/17/15
		Benzene	ND		0.50 µg/L	11/17/15	11/17/15
		Trichloroethene	ND		1.0 µg/L	11/17/15	11/17/15
		Toluene	ND		0.50 µg/L	11/17/15	11/17/15
		Tetrachloroethene	ND		1.0 µg/L	11/17/15	11/17/15
		Ethylbenzene	ND		0.50 µg/L	11/17/15	11/17/15
		m,p-Xylene	ND		0.50 µg/L	11/17/15	11/17/15
		o-Xylene	ND		0.50 µg/L	11/17/15	11/17/15
		Naphthalene	ND	O	4.0 µg/L	11/17/15	11/17/15
Client ID :	**Grim W GAC 1**						
Lab ID :	STR15111025-03A	TPH-P (GRO)	ND		50 µg/L	11/17/15	11/17/15
Date Sampled	11/09/15 06:35	Vinyl chloride	ND		1.0 µg/L	11/17/15	11/17/15
		Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	11/17/15	11/17/15
		1,2-Dichloroethane	ND		1.0 µg/L	11/17/15	11/17/15
		Benzene	ND		0.50 µg/L	11/17/15	11/17/15
		Trichloroethene	ND		1.0 µg/L	11/17/15	11/17/15
		Toluene	ND		0.50 µg/L	11/17/15	11/17/15
		Tetrachloroethene	ND		1.0 µg/L	11/17/15	11/17/15
		Ethylbenzene	ND		0.50 µg/L	11/17/15	11/17/15
		m,p-Xylene	ND		0.50 µg/L	11/17/15	11/17/15
		o-Xylene	ND		0.50 µg/L	11/17/15	11/17/15
		Naphthalene	ND		2.0 µg/L	11/17/15	11/17/15

Alpha Analytical, Inc.

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

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

Gasoline Range Organics (GRO) C4-C13

Note: For sample -01A concentrations of air in a Tedlar Bag are at 22 degrees Celsius and 25.72 inches of mercury.

O = Reporting Limits were increased due to sample foaming.

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.

11/18/15

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: STR15111025 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15111025-02A	Grim W INF	Aqueous	2
15111025-03A	Grim W GAC 1	Aqueous	2

11/18/15

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: *19-Nov-15*

QC Summary Report

Work Order: 15111025

Method Blank

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

File ID: **15111716.D** Batch ID: **MS09A1117B** Analysis Date: **11/17/2015 15:43**

Sample ID: **MBLK MS09A1117B** Units : **mg/m³** Run ID: **MSD_09_151117A** Prep Date: **11/17/2015 15:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	10								
Surr: 1,2-Dichloroethane-d4	1.93		2		97	70	130			
Surr: Toluene-d8	2.09		2		105	70	130			
Surr: 4-Bromofluorobenzene	1.73		2		87	70	130			

Laboratory Control Spike

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

File ID: **15111703.D** Batch ID: **MS09A1117B** Analysis Date: **11/17/2015 10:20**

Sample ID: **GLCS MS09A1117B** Units : **mg/m³** Run ID: **MSD_09_151117A** Prep Date: **11/17/2015 10:20**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	374	10	400		93	70	130			
Surr: 1,2-Dichloroethane-d4	9.28		10		93	70	130			
Surr: Toluene-d8	10.5		10		105	70	130			
Surr: 4-Bromofluorobenzene	9.73		10		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.

Alpha Analytical, Inc.

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

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

Date: *19-Nov-15*

QC Summary Report

Work Order: 15111025

Method Blank

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

File ID: **15111704.D** Batch ID: **MS09W1117B** Analysis Date: **11/17/2015 10:47**

Sample ID: **MBLK MS09W1117B** Units : **µg/L** Run ID: **MSD_09_151117B** Prep Date: **11/17/2015 10:47**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	8.94		10		89	70	130			
Surr: Toluene-d8	10.5		10		105	70	130			
Surr: 4-Bromofluorobenzene	9.41		10		94	70	130			

Laboratory Control Spike

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

File ID: **15111703.D** Batch ID: **MS09W1117B** Analysis Date: **11/17/2015 10:20**

Sample ID: **GLCS MS09W1117B** Units : **µg/L** Run ID: **MSD_09_151117B** Prep Date: **11/17/2015 10:20**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	374	50	400		93	70	130			
Surr: 1,2-Dichloroethane-d4	9.28		10		93	70	130			
Surr: Toluene-d8	10.5		10		105	70	130			
Surr: 4-Bromofluorobenzene	9.73		10		97	70	130			

Sample Matrix Spike

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

File ID: **15111729.D** Batch ID: **MS09W1117B** Analysis Date: **11/17/2015 21:02**

Sample ID: **15111025-03AGS** Units : **µg/L** Run ID: **MSD_09_151117B** Prep Date: **11/17/2015 21:02**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1600	250	2000	0	80	54	143			
Surr: 1,2-Dichloroethane-d4	50.6		50		101	70	130			
Surr: Toluene-d8	51		50		102	70	130			
Surr: 4-Bromofluorobenzene	45.6		50		91	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15111730.D** Batch ID: **MS09W1117B** Analysis Date: **11/17/2015 21:26**

Sample ID: **15111025-03AGSD** Units : **µg/L** Run ID: **MSD_09_151117B** Prep Date: **11/17/2015 21:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1790	250	2000	0	90	54	143	1602	11.2(23)	
Surr: 1,2-Dichloroethane-d4	50.1		50		100	70	130			
Surr: Toluene-d8	51.3		50		103	70	130			
Surr: 4-Bromofluorobenzene	45.3		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.

Alpha Analytical, Inc.

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

Date: *19-Nov-15*

QC Summary Report

Work Order: 15111025

Method Blank

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

File ID: **15111716.D** Batch ID: **MS09A1117A** Analysis Date: **11/17/2015 15:43**

Sample ID: **MBLK MS09A1117A** Units : **mg/m³** Run ID: **MSD_09_151117A** Prep Date: **11/17/2015 15:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Vinyl chloride	ND	0.2								
Methyl tert-butyl ether (MTBE)	ND	0.1								
Benzene	ND	0.1								
Trichloroethene	ND	0.2								
Toluene	ND	0.1								
Tetrachloroethene	ND	0.2								
Chlorobenzene	ND	0.2								
Ethylbenzene	ND	0.1								
m,p-Xylene	ND	0.1								
o-Xylene	ND	0.1								
n-Propylbenzene	ND	0.2								
1,2,4-Trimethylbenzene	ND	0.2								
Surr: 1,2-Dichloroethane-d4	1.93		2		97	70	130			
Surr: Toluene-d8	2.09		2		105	70	130			
Surr: 4-Bromofluorobenzene	1.73		2		87	70	130			

Laboratory Control Spike

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

File ID: **15111702.D** Batch ID: **MS09A1117A** Analysis Date: **11/17/2015 09:56**

Sample ID: **LCS MS09A1117A** Units : **mg/m³** Run ID: **MSD_09_151117A** Prep Date: **11/17/2015 09:56**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	7.94	0.1	10		79	63	137			
Benzene	9.22	0.1	10		92	70	130			
Trichloroethene	11.1	0.2	10		111	68	138			
Toluene	9.31	0.1	10		93	70	130			
Chlorobenzene	10.9	0.2	10		109	70	130			
Ethylbenzene	10.8	0.1	10		108	70	130			
m,p-Xylene	11.2	0.1	10		112	65	139			
o-Xylene	10.9	0.1	10		109	70	130			
Surr: 1,2-Dichloroethane-d4	9		10		90	70	130			
Surr: Toluene-d8	11		10		110	70	130			
Surr: 4-Bromofluorobenzene	9.65		10		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.

Alpha Analytical, Inc.

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

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

Date: 19-Nov-15

QC Summary Report

Work Order: 15111025

Method Blank

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

File ID: **15111704.D** Batch ID: **MS09W1117A** Analysis Date: **11/17/2015 10:47**

Sample ID: **MBLK MS09W1117A** Units : µg/L Run ID: **MSD_09_151117B** Prep Date: **11/17/2015 10:47**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Vinyl chloride	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,2-Dichloroethane	ND	1								
Benzene	ND	0.5								
Trichloroethene	ND	1								
Toluene	ND	0.5								
Tetrachloroethene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	8.94		10		89	70	130			
Surr: Toluene-d8	10.5		10		105	70	130			
Surr: 4-Bromofluorobenzene	9.41		10		94	70	130			

Laboratory Control Spike

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

File ID: **15111702.D** Batch ID: **MS09W1117A** Analysis Date: **11/17/2015 09:56**

Sample ID: **LCS MS09W1117A** Units : µg/L Run ID: **MSD_09_151117B** Prep Date: **11/17/2015 09:56**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	7.94	0.5	10		79	63	137			
Benzene	9.22	0.5	10		92	70	130			
Trichloroethene	11.1	1	10		111	68	138			
Toluene	9.31	0.5	10		93	70	130			
Ethylbenzene	10.8	0.5	10		108	70	130			
m,p-Xylene	11.2	0.5	10		112	65	139			
o-Xylene	10.9	0.5	10		109	70	130			
Surr: 1,2-Dichloroethane-d4	9		10		90	70	130			
Surr: Toluene-d8	11		10		110	70	130			
Surr: 4-Bromofluorobenzene	9.65		10		97	70	130			

Sample Matrix Spike

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

File ID: **15111727.D** Batch ID: **MS09W1117A** Analysis Date: **11/17/2015 20:13**

Sample ID: **15111025-03AMS** Units : µg/L Run ID: **MSD_09_151117B** Prep Date: **11/17/2015 20:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	46	1.3	50	0	92	56	140			
Benzene	46	1.3	50	0	92	67	134			
Trichloroethene	49.8	2.5	50	0	99.7	68	138			
Toluene	47.5	1.3	50	0	95	38	130			
Ethylbenzene	53	1.3	50	0	106	70	130			
m,p-Xylene	54	1.3	50	0	108	65	139			
o-Xylene	53.7	1.3	50	0	107	69	130			
Surr: 1,2-Dichloroethane-d4	52.4		50		105	70	130			
Surr: Toluene-d8	52.2		50		104	70	130			
Surr: 4-Bromofluorobenzene	45.5		50		91	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15111728.D** Batch ID: **MS09W1117A** Analysis Date: **11/17/2015 20:38**

Sample ID: **15111025-03AMSD** Units : µg/L Run ID: **MSD_09_151117B** Prep Date: **11/17/2015 20:38**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	43.6	1.3	50	0	87	56	140	45.95	5.3(40)	
Benzene	42.6	1.3	50	0	85	67	134	45.99	7.7(21)	
Trichloroethene	45	2.5	50	0	90	68	138	49.84	10.1(20)	
Toluene	42.9	1.3	50	0	86	38	130	47.48	10.1(20)	
Ethylbenzene	47.7	1.3	50	0	95	70	130	53.03	10.6(20)	
m,p-Xylene	48.6	1.3	50	0	97	65	139	54.03	10.6(20)	
o-Xylene	48.9	1.3	50	0	98	69	130	53.71	9.4(20)	
Surr: 1,2-Dichloroethane-d4	51.8		50		104	70	130			
Surr: Toluene-d8	51.1		50		102	70	130			
Surr: 4-Bromofluorobenzene	45.7		50		91	70	130			

Alpha Analytical, Inc.

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

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

Date: *19-Nov-15*

QC Summary Report

Work Order: 15111025

Comments:

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

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

WorkOrder : STR15111025

Report Due By : 5:00 PM On : 17-Nov-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 # : 01917 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
3 °C	10-Nov-15	10-Nov-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
STR15111025-01A	Grim A Sys INF	AR	11/09/15 06:46	1	0	5	GAS-N/C		Special List						
STR15111025-02A	Grim W INF	AQ	11/09/15 06:40	6	0	5		GAS-C		Special List_C					
STR15111025-03A	Grim W GAC 1	AQ	11/09/15 06:35	6	0	5		GAS-C		Special List_C					

Comments: Security seals intact. Frozen ice. Chain split into two separate work orders due to different TATs. :

	Signature	Print Name	Company	Date/Time
Logged in by:	K Murray	K Murray	Alpha Analytical, Inc.	11/10/15 1025

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

Billing Information:
Company: Stantec
Attn:
Address:
City, State, Zip:
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

01917

Page # 1 of 1

Company/Client Info: Stantec
Company:
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? II 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 TCL	Vinyl chloride	1,2-Dichlorobenzene	EDB	1,2,4-Trimethyl Benzene	Lead	Remarks
0616	11/9	AQ	STANTEC025-01	Grim A 9ft INF	STD	1		X	X	X	X			X	X	X	X	X		
0643	11/9	AQ		Grim A EFF	24	1		X	X	X	X			X	X	X	X	X		
0640	11/9	AQ	02	Grim W INF	STD	6		X	X	X	X	X	X	X	X					
0635		AQ	03	Grim W ONE	STD	6		X	X	X	X	X	X	X	X					
0630	11/9	AQ		Grim W EFF	24	6		X	X	X	X	X	X	X	X					
0700	11/9	OT		Carbon	24	1		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: CHL

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Stantec	110915	1200	E.Fruciano Alpha	110915	1200
			Kelmeny	11/10/15	1025

* 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 : 11/10/15

Job: Grimit Auto

Metals by ICPMS
EPA Method SW6020 / SW6020A

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **Carbon**				
Lab ID : STR15111024-03A Lead (Pb)	ND	1,000 µg/Kg	11/10/15 10:50	11/11/15 21:07
Date Sampled 11/09/15 07:00				

Sample results were calculated on a wet weight basis.
ND = Not Detected
Reported in micrograms per Kilogram, 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.

11/12/15
Report Date

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 11/10/15

Job: Grimit Auto

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

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Grim A EFF**					
Lab ID :	STR15111024-01A	TPH-P (GRO)	ND	20 mg/m³	11/10/15 10:44	11/10/15
Date Sampled	11/09/15 06:43	Vinyl chloride	ND	0.40 mg/m³	11/10/15 10:44	11/10/15
		Methyl tert-butyl ether (MTBE)	ND	0.20 mg/m³	11/10/15 10:44	11/10/15
		Benzene	ND	0.20 mg/m³	11/10/15 10:44	11/10/15
		Trichloroethene	ND	0.40 mg/m³	11/10/15 10:44	11/10/15
		Toluene	ND	0.20 mg/m³	11/10/15 10:44	11/10/15
		Tetrachloroethene	ND	0.40 mg/m³	11/10/15 10:44	11/10/15
		Chlorobenzene	ND	0.40 mg/m³	11/10/15 10:44	11/10/15
		Ethylbenzene	ND	0.20 mg/m³	11/10/15 10:44	11/10/15
		m,p-Xylene	ND	0.20 mg/m³	11/10/15 10:44	11/10/15
		o-Xylene	ND	0.20 mg/m³	11/10/15 10:44	11/10/15
		n-Propylbenzene	ND	0.40 mg/m³	11/10/15 10:44	11/10/15
		1,2,4-Trimethylbenzene	ND	0.40 mg/m³	11/10/15 10:44	11/10/15
Client ID :	**Grim W EFF**					
Lab ID :	STR15111024-02A	TPH-P (GRO)	ND	50 µg/L	11/10/15	11/10/15
Date Sampled	11/09/15 06:30	Vinyl chloride	ND	1.0 µg/L	11/10/15	11/10/15
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	11/10/15	11/10/15
		1,2-Dichloroethane	ND	1.0 µg/L	11/10/15	11/10/15
		Benzene	ND	0.50 µg/L	11/10/15	11/10/15
		Trichloroethene	ND	1.0 µg/L	11/10/15	11/10/15
		Toluene	ND	0.50 µg/L	11/10/15	11/10/15
		Tetrachloroethene	ND	1.0 µg/L	11/10/15	11/10/15
		Ethylbenzene	ND	0.50 µg/L	11/10/15	11/10/15
		m,p-Xylene	ND	0.50 µg/L	11/10/15	11/10/15
		o-Xylene	ND	0.50 µg/L	11/10/15	11/10/15
		Naphthalene	ND	2.0 µg/L	11/10/15	11/10/15
Client ID :	**Carbon**					
Lab ID :	STR15111024-03A	TPH-P (GRO)	ND	1,000 µg/Kg	11/10/15	11/10/15
Date Sampled	11/09/15 07:00	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	11/10/15	11/10/15
		Benzene	ND	5.0 µg/Kg	11/10/15	11/10/15
		Toluene	ND	5.0 µg/Kg	11/10/15	11/10/15
		Ethylbenzene	ND	5.0 µg/Kg	11/10/15	11/10/15
		m,p-Xylene	ND	5.0 µg/Kg	11/10/15	11/10/15
		o-Xylene	ND	5.0 µg/Kg	11/10/15	11/10/15

Alpha Analytical, Inc.

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

Gasoline Range Organics (GRO) C4-C13

Note: For sample -01A concentrations of air in a Tedlar Bag are at 22 degrees Celsius and 25.66 inches of mercury.

Reported in micrograms per Kilogram and micrograms per Liter, per client request.

Sample results were calculated on a wet weight basis.

ND = Not Detected

ACCREDITED DoD ELAP

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.

11/11/15
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: *23-Nov-15*

QC Summary Report

Work Order: 15111024

Method Blank

Type **MBLK** Test Code: **EPA Method SW6020 / SW6020A**

File ID: **1** Batch ID: **35534** Analysis Date: **11/11/2015 21:04**

Sample ID: **MB-35534** Units : **µg/Kg** Run ID: **MANUAL_151111B** Prep Date: **11/10/2015 10:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Lead (Pb)	ND	1000								

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW6020 / SW6020A**

File ID: **3** Batch ID: **35534** Analysis Date: **11/11/2015 21:09**

Sample ID: **LCS-35534** Units : **µg/Kg** Run ID: **MANUAL_151111B** Prep Date: **11/10/2015 10:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Lead (Pb)	24500	1000	25000		98	80	120			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW6020 / SW6020A**

File ID: **4** Batch ID: **35534** Analysis Date: **11/11/2015 21:12**

Sample ID: **15111024-03AMS** Units : **µg/Kg** Run ID: **MANUAL_151111B** Prep Date: **11/10/2015 10:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Lead (Pb)	24100	1000	25000	0	96	75	125			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW6020 / SW6020A**

File ID: **5** Batch ID: **35534** Analysis Date: **11/11/2015 21:14**

Sample ID: **15111024-03AMSD** Units : **µg/Kg** Run ID: **MANUAL_151111B** Prep Date: **11/10/2015 10:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Lead (Pb)	24200	1000	25000	0	97	75	125	24090	0.6(20)	

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 Kilogram, 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: *23-Nov-15*

QC Summary Report

Work Order: 15111024

Method Blank

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

File ID: **15111010.D** Batch ID: **MS08A1110B** Analysis Date: **11/10/2015 13:10**

Sample ID: **MBLK MS08A1110B** Units : **mg/m³** Run ID: **MSD_08_151110A** Prep Date: **11/10/2015 13:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	10								
Surr: 1,2-Dichloroethane-d4	2.39		2		120	70	130			
Surr: Toluene-d8	2		2		100	70	130			
Surr: 4-Bromofluorobenzene	1.59		2		80	70	130			

Laboratory Control Spike

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

File ID: **15111005.D** Batch ID: **MS08A1110B** Analysis Date: **11/10/2015 11:01**

Sample ID: **GLCS MS08A1110B** Units : **mg/m³** Run ID: **MSD_08_151110A** Prep Date: **11/10/2015 11:01**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	385	10	400		96	70	130			
Surr: 1,2-Dichloroethane-d4	11.2		10		112	70	130			
Surr: Toluene-d8	9.83		10		98	70	130			
Surr: 4-Bromofluorobenzene	9.15		10		92	70	130			

Comments:

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

Alpha Analytical, Inc.

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

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

Date: *23-Nov-15*

QC Summary Report

Work Order: 15111024

Method Blank

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

File ID: **15111708.D** Batch ID: **MS09S5521B** Analysis Date: **11/17/2015 12:28**

Sample ID: **MBLK MS09S5521B** Units : **µg/Kg** Run ID: **MSD_09_151109B** Prep Date: **11/17/2015 12:28**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	1000								
Surr: 1,2-Dichloroethane-d4	188		200		94	70	130			
Surr: Toluene-d8	209		200		105	70	130			
Surr: 4-Bromofluorobenzene	177		200		88	70	130			

Laboratory Control Spike

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

File ID: **15111711.D** Batch ID: **MS09S5521B** Analysis Date: **11/17/2015 13:40**

Sample ID: **GLCS MS09S5521B** Units : **µg/Kg** Run ID: **MSD_09_151109B** Prep Date: **11/17/2015 13:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	17200	2000	16000		108	63	149			
Surr: 1,2-Dichloroethane-d4	381		400		95	70	130			
Surr: Toluene-d8	410		400		103	70	130			
Surr: 4-Bromofluorobenzene	366		400		91	70	130			

Laboratory Control Spike Duplicate

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

File ID: **15111712.D** Batch ID: **MS09S5521B** Analysis Date: **11/17/2015 14:04**

Sample ID: **GLCSD MS09S5521B** Units : **µg/Kg** Run ID: **MSD_09_151109B** Prep Date: **11/17/2015 14:04**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	17700	2000	16000		111	63	149	17230	2.9(40)	
Surr: 1,2-Dichloroethane-d4	389		400		97	70	130			
Surr: Toluene-d8	422		400		105	70	130			
Surr: 4-Bromofluorobenzene	362		400		90	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 Kilogram, 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: *23-Nov-15*

QC Summary Report

Work Order: 15111024

Method Blank

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

File ID: **15111007.D** Batch ID: **MS08W1110B** Analysis Date: **11/10/2015 11:54**

Sample ID: **MBLK MS08W1110B** Units : µg/L Run ID: **MSD_08_151110B** Prep Date: **11/10/2015 11:54**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	11.2		10		112	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	8.69		10		87	70	130			

Laboratory Control Spike

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

File ID: **15111005.D** Batch ID: **MS08W1110B** Analysis Date: **11/10/2015 11:01**

Sample ID: **GLCS MS08W1110B** Units : µg/L Run ID: **MSD_08_151110B** Prep Date: **11/10/2015 11:01**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	385	50	400		96	70	130			
Surr: 1,2-Dichloroethane-d4	11.2		10		112	70	130			
Surr: Toluene-d8	9.83		10		98	70	130			
Surr: 4-Bromofluorobenzene	9.15		10		92	70	130			

Sample Matrix Spike

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

File ID: **15111026.D** Batch ID: **MS08W1110B** Analysis Date: **11/10/2015 20:59**

Sample ID: **15111024-02AGS** Units : µg/L Run ID: **MSD_08_151110B** Prep Date: **11/10/2015 20:59**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1800	250	2000	0	90	54	143			
Surr: 1,2-Dichloroethane-d4	44.4		50		89	70	130			
Surr: Toluene-d8	52.3		50		105	70	130			
Surr: 4-Bromofluorobenzene	50.2		50		100	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15111106.D** Batch ID: **MS08W1110B** Analysis Date: **11/11/2015 16:01**

Sample ID: **15111024-02AGSD** Units : µg/L Run ID: **MSD_08_151110B** Prep Date: **11/11/2015 16:01**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2190	250	2000	0	110	54	143	1795	20.0(23)	
Surr: 1,2-Dichloroethane-d4	42.2		50		84	70	130			
Surr: Toluene-d8	54.2		50		108	70	130			
Surr: 4-Bromofluorobenzene	49.7		50		99	70	130			

Comments:

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

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: *23-Nov-15*

QC Summary Report

Work Order: 15111024

Method Blank

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

File ID: **15111010.D** Batch ID: **MS08A1110A** Analysis Date: **11/10/2015 13:10**

Sample ID: **MBLK MS08A1110A** Units : **mg/m³** Run ID: **MSD_08_151110A** Prep Date: **11/10/2015 13:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Vinyl chloride	ND	0.2								
Methyl tert-butyl ether (MTBE)	ND	0.1								
Benzene	ND	0.1								
Trichloroethene	ND	0.2								
Toluene	ND	0.1								
Tetrachloroethene	ND	0.2								
Chlorobenzene	ND	0.2								
Ethylbenzene	ND	0.1								
m,p-Xylene	ND	0.1								
o-Xylene	ND	0.1								
n-Propylbenzene	ND	0.2								
1,2,4-Trimethylbenzene	ND	0.2								
Surr: 1,2-Dichloroethane-d4	2.39		2		120	70	130			
Surr: Toluene-d8	2		2		100	70	130			
Surr: 4-Bromofluorobenzene	1.59		2		80	70	130			

Laboratory Control Spike

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

File ID: **15111004.D** Batch ID: **MS08A1110A** Analysis Date: **11/10/2015 10:34**

Sample ID: **LCS MS08A1110A** Units : **mg/m³** Run ID: **MSD_08_151110A** Prep Date: **11/10/2015 10:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	11.6	0.1	10		116	63	137			
Benzene	11.2	0.1	10		112	70	130			
Trichloroethene	9.7	0.2	10		97	68	138			
Toluene	10.7	0.1	10		107	70	130			
Chlorobenzene	10.9	0.2	10		109	70	130			
Ethylbenzene	10.9	0.1	10		109	70	130			
m,p-Xylene	11	0.1	10		110	65	139			
o-Xylene	11.2	0.1	10		112	70	130			
Surr: 1,2-Dichloroethane-d4	10.9		10		109	70	130			
Surr: Toluene-d8	9.5		10		95	70	130			
Surr: 4-Bromofluorobenzene	9.82		10		98	70	130			

Comments:

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

Alpha Analytical, Inc.

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

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

Date: *23-Nov-15*

QC Summary Report

Work Order: 15111024

Method Blank

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

File ID: **15111708.D** Batch ID: **MS09S5521A** Analysis Date: **11/17/2015 12:28**

Sample ID: **MBLK MS09S5521A** Units : **µg/Kg** Run ID: **MSD_09_151109B** Prep Date: **11/17/2015 12:28**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	5								
Benzene	ND	5								
Toluene	ND	5								
Ethylbenzene	ND	5								
m,p-Xylene	ND	5								
o-Xylene	ND	5								
Surr: 1,2-Dichloroethane-d4	188		200		94	70	130			
Surr: Toluene-d8	209		200		105	70	130			
Surr: 4-Bromofluorobenzene	177		200		88	70	130			

Laboratory Control Spike

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

File ID: **15111709.D** Batch ID: **MS09S5521A** Analysis Date: **11/17/2015 12:52**

Sample ID: **LCS MS09S5521A** Units : **µg/Kg** Run ID: **MSD_09_151109B** Prep Date: **11/17/2015 12:52**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	336	10	400		84	65	145			
Benzene	373	10	400		93	70	137			
Toluene	385	10	400		96	70	139			
Ethylbenzene	439	10	400		110	70	137			
m,p-Xylene	457	10	400		114	70	145			
o-Xylene	442	10	400		111	70	145			
Surr: 1,2-Dichloroethane-d4	378		400		94	70	130			
Surr: Toluene-d8	422		400		105	70	130			
Surr: 4-Bromofluorobenzene	367		400		92	70	130			

Laboratory Control Spike Duplicate

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

File ID: **15111710.D** Batch ID: **MS09S5521A** Analysis Date: **11/17/2015 13:16**

Sample ID: **LCSD MS09S5521A** Units : **µg/Kg** Run ID: **MSD_09_151109B** Prep Date: **11/17/2015 13:16**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	344	10	400		86	65	145	336	2.4(32)	
Benzene	388	10	400		97	70	137	373.2	3.9(30)	
Toluene	398	10	400		99	70	139	385.2	3.3(28)	
Ethylbenzene	459	10	400		115	70	137	439.3	4.3(37)	
m,p-Xylene	476	10	400		119	70	145	456.8	4.1(34)	
o-Xylene	464	10	400		116	70	145	442	4.8(40)	
Surr: 1,2-Dichloroethane-d4	375		400		94	70	130			
Surr: Toluene-d8	426		400		106	70	130			
Surr: 4-Bromofluorobenzene	375		400		94	70	130			

Comments:

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

Alpha Analytical, Inc.

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

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

Date: *23-Nov-15*

QC Summary Report

Work Order: 15111024

Method Blank

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

File ID: **15111007.D** Batch ID: **MS08W1110A** Analysis Date: **11/10/2015 11:54**

Sample ID: **MBLK MS08W1110A** Units : **µg/L** Run ID: **MSD_08_151110B** Prep Date: **11/10/2015 11:54**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Vinyl chloride	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,2-Dichloroethane	ND	1								
Benzene	ND	0.5								
Trichloroethene	ND	1								
Toluene	ND	0.5								
Tetrachloroethene	ND	1								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	11.2		10		112	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	8.69		10		87	70	130			

Laboratory Control Spike

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

File ID: **15111004.D** Batch ID: **MS08W1110A** Analysis Date: **11/10/2015 10:34**

Sample ID: **LCS MS08W1110A** Units : **µg/L** Run ID: **MSD_08_151110B** Prep Date: **11/10/2015 10:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	11.6	0.5	10		116	63	137			
Benzene	11.2	0.5	10		112	70	130			
Trichloroethene	9.7	1	10		97	68	138			
Toluene	10.7	0.5	10		107	70	130			
Ethylbenzene	10.9	0.5	10		109	70	130			
m,p-Xylene	11	0.5	10		110	65	139			
o-Xylene	11.2	0.5	10		112	70	130			
Surr: 1,2-Dichloroethane-d4	10.9		10		109	70	130			
Surr: Toluene-d8	9.5		10		95	70	130			
Surr: 4-Bromofluorobenzene	9.82		10		98	70	130			

Sample Matrix Spike

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

File ID: **15111024.D** Batch ID: **MS08W1110A** Analysis Date: **11/10/2015 20:12**

Sample ID: **15111024-02AMS** Units : **µg/L** Run ID: **MSD_08_151110B** Prep Date: **11/10/2015 20:12**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	43.8	1.3	50	0	88	56	140			
Benzene	54.3	1.3	50	0	109	67	134			
Trichloroethene	49.7	2.5	50	0	99	68	138			
Toluene	57	1.3	50	0	114	38	130			
Ethylbenzene	58.6	1.3	50	0	117	70	130			
m,p-Xylene	57.5	1.3	50	0	115	65	139			
o-Xylene	55	1.3	50	0	110	69	130			
Surr: 1,2-Dichloroethane-d4	47.7		50		95	70	130			
Surr: Toluene-d8	49		50		98	70	130			
Surr: 4-Bromofluorobenzene	50.2		50		100	70	130			

Sample Matrix Spike Duplicate

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

File ID: **15111025.D** Batch ID: **MS08W1110A** Analysis Date: **11/10/2015 20:36**

Sample ID: **15111024-02AMSD** Units : **µg/L** Run ID: **MSD_08_151110B** Prep Date: **11/10/2015 20:36**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	41.3	1.3	50	0	83	56	140	43.75	5.7(40)	
Benzene	52.2	1.3	50	0	104	67	134	54.27	3.9(21)	
Trichloroethene	47.1	2.5	50	0	94	68	138	49.71	5.3(20)	
Toluene	53.8	1.3	50	0	108	38	130	57	5.9(20)	
Ethylbenzene	55.6	1.3	50	0	111	70	130	58.55	5.2(20)	
m,p-Xylene	53.8	1.3	50	0	108	65	139	57.52	6.7(20)	
o-Xylene	52	1.3	50	0	104	69	130	55.03	5.8(20)	
Surr: 1,2-Dichloroethane-d4	47.3		50		95	70	130			
Surr: Toluene-d8	50.1		50		100	70	130			
Surr: 4-Bromofluorobenzene	49		50		98	70	130			

Alpha Analytical, Inc.

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

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

Date: *23-Nov-15*

QC Summary Report

Work Order: 15111024

Comments:

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA RUSH

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

WorkOrder : STR15111024

Report Due By : 5:00 PM On : 10-Nov-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 # : 01917 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
3 °C	10-Nov-15	10-Nov-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 METALS_SO	TPH/P_A	TPH/P_S	TPH/P_W	VOC_A	VOC_S	VOC_W		Sample Remarks
STR15111024-01A	Grim A EFF	AR	11/09/15 06:43	1	0	0		GAS-N/C			Special List				Tedlar
STR15111024-02A	Grim W EFF	AQ	11/09/15 06:30	6	0	0				GAS-C			Special List_C		
STR15111024-03A	Carbon	OT	11/09/15 07:00	1	0	0	Pb		GAS-C			BTEX/M_C			

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

	Signature	Print Name	Company	Date/Time
Logged in by:	K Murray	K Murray	Alpha Analytical, Inc.	11/10/15 1040

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

Billing Information:

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

01917

Page # 1 of 1

Copy/Mail/Client Info:

Company: Stantec
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Grimit Auto
P.O.#:

Report Attention/Project Manager:

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

QC Deliverable Info:

EDD Required? Yes / No
EDF Required? Yes / No
Global ID: T0600100667
Data Validation Packages? II or 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	EDB / 1,2 DCE	VOCs Full List	Vinyl chloride	Chlorobenzene	n-Propyl benzene	1,3,5 Trimethyl Benzene	Lead	Remarks
0616	11/9/15	AQ	-	Grim A SVS Inf	STD	1		X	X	X	X			X	X	X	X	X		
0643	11/9/15	AQ	STRIS111024-01	Grim A Eff	24	1		X	X	X	X			X	X	X	X	X		
0640	11/9/15	AQ	-	Grim W Inf	STD	10		X	X	X	X	X	X	X						
0635		AQ	-	Grim W Gnel	STD	6		X	X	X	X	X	X	X						
0630	11/9/15	AQ	02	Grim W Eff	24	6		X	X	X	X	X	X	X						
			-																	
0700	11/9/15	OT	03	Carbon	24	1		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: CHH

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
CHH Stantec	110915	1200	E. Fruciano Alpha	110915	1200
			KMurray	11/10/15	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 : 01/29/16

Job: Grimit Auto

Oil and Grease, HEM
EPA Method 1664A

	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **MW-1**					
Lab ID : STR16012924-01A	Oil & Grease, HEM	380,000	5,000 µg/L	02/02/16	02/02/16
Date Sampled 01/28/16 11:11					
Client ID: **MW-2**					
Lab ID : STR16012924-02A	Oil & Grease, HEM	ND	5,000 µg/L	02/02/16	02/02/16
Date Sampled 01/28/16 10:47					
Client ID: **MW-4**					
Lab ID : STR16012924-03A	Oil & Grease, HEM	9,700	5,000 µg/L	02/02/16	02/02/16
Date Sampled 01/28/16 11:18					
Client ID: **MW-5**					
Lab ID : STR16012924-04A	Oil & Grease, HEM	ND	5,000 µg/L	02/02/16	02/02/16
Date Sampled 01/28/16 10:38					
Client ID: **MW-6**					
Lab ID : STR16012924-05A	Oil & Grease, HEM	ND	5,000 µg/L	02/02/16	02/02/16
Date Sampled 01/28/16 10:54					
Client ID: **MW-7**					
Lab ID : STR16012924-06A	Oil & Grease, HEM	53,000	5,000 µg/L	02/02/16	02/02/16
Date Sampled 01/28/16 11:02					
Client ID: **MW-8**					
Lab ID : STR16012924-07A	Oil & Grease, HEM	ND	5,000 µg/L	02/02/16	02/02/16
Date Sampled 01/28/16 10:25					

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

2/5/16
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 : 01/29/16

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 : STR16012924-01A Oil & Grease, SGT-HEM	250,000	5,000 µg/L	02/02/16	02/02/16
Date Sampled 01/28/16 11:11				
Client ID: **MW-4**				
Lab ID : STR16012924-03A Oil & Grease, SGT-HEM	7,000	5,000 µg/L	02/02/16	02/02/16
Date Sampled 01/28/16 11:18				
Client ID: **MW-7**				
Lab ID : STR16012924-06A Oil & Grease, SGT-HEM	43,000	5,000 µg/L	02/02/16	02/02/16
Date Sampled 01/28/16 11:02				

SGT-HEM = Silica Gel Treated Hexane Extractable Material

Reported in micrograms per Liter, per client request.

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.

2/5/16
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 : 01/29/16

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 :	STR16012924-01A	TPH-P (GRO)	18,000	1,000 µg/L	02/01/16	02/01/16
Date Sampled	01/28/16 11:11					
Client ID :	**MW-2**					
Lab ID :	STR16012924-02A	TPH-P (GRO)	ND	50 µg/L	02/01/16	02/01/16
Date Sampled	01/28/16 10:47					
Client ID :	**MW-4**					
Lab ID :	STR16012924-03A	TPH-P (GRO)	2,200	300 µg/L	02/01/16	02/01/16
Date Sampled	01/28/16 11:18					
Client ID :	**MW-5**					
Lab ID :	STR16012924-04A	TPH-P (GRO)	5,500	200 µg/L	02/02/16	02/02/16
Date Sampled	01/28/16 10:38					
Client ID :	**MW-6**					
Lab ID :	STR16012924-05A	TPH-P (GRO)	1,400	100 µg/L	02/02/16	02/02/16
Date Sampled	01/28/16 10:54					
Client ID :	**MW-7**					
Lab ID :	STR16012924-06A	TPH-P (GRO)	6,800	300 µg/L	02/01/16	02/01/16
Date Sampled	01/28/16 11:02					
Client ID :	**MW-8**					
Lab ID :	STR16012924-07A	TPH-P (GRO)	ND	50 µg/L	02/01/16	02/01/16
Date Sampled	01/28/16 10:25					

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

ACLASS ACCREDITED DoD ELAP

Roger Scholl Randy Gardner

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

NELAP ACCREDITED LABORATORY

2/5/16
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: STR16012924-01A
Client I.D. Number: MW-1

Sampled: 01/28/16 11:11
Received: 01/29/16
Extracted: 02/01/16
Analyzed: 02/01/16

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/L
2	Vinyl chloride	27	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	16	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	47	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	130	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	94	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	ND	5.0 µg/L
33	m,p-Xylene	970	5.0 µg/L
34	Bromoform	ND	10 µg/L
35	o-Xylene	490	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

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

ND = Not Detected

Roger Scholl Randy Gardner

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

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

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

2/5/16
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: STR16012924-02A
Client I.D. Number: MW-2

Sampled: 01/28/16 10:47
Received: 01/29/16
Extracted: 02/01/16
Analyzed: 02/01/16

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	1.1	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	1.0	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	4.3	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 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.

2/5/16
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: STR16012924-03A
Client I.D. Number: MW-4

Sampled: 01/28/16 11:18
Received: 01/29/16
Extracted: 02/01/16
Analyzed: 02/01/16

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	12 µg/L
2	Vinyl chloride	140	3.0 µg/L
3	Chloroethane	ND	3.0 µg/L
4	Bromomethane	ND	12 µg/L
5	Trichlorofluoromethane	ND	3.0 µg/L
6	1,1-Dichloroethene	ND	3.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	30 µg/L
8	Dichloromethane	ND	12 µg/L
9	trans-1,2-Dichloroethene	ND	3.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	1.5 µg/L
11	1,1-Dichloroethane	ND	3.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	3.0 µg/L
13	cis-1,2-Dichloroethene	370	3.0 µg/L
14	Chloroform	ND	3.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	3.0 µg/L
16	1,2-Dichloroethane	ND	3.0 µg/L
17	1,1,1-Trichloroethane	ND	3.0 µg/L
18	Carbon tetrachloride	ND	3.0 µg/L
19	Benzene	140	1.5 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	3.0 µg/L
21	1,2-Dichloropropane	ND	3.0 µg/L
22	Trichloroethene	ND	3.0 µg/L
23	Bromodichloromethane	ND	3.0 µg/L
24	cis-1,3-Dichloropropene	ND	3.0 µg/L
25	trans-1,3-Dichloropropene	ND	3.0 µg/L
26	1,1,2-Trichloroethane	ND	3.0 µg/L
27	Toluene	14	1.5 µg/L
28	Dibromochloromethane	ND	3.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	6.0 µg/L
30	Tetrachloroethene	ND	3.0 µg/L
31	Chlorobenzene	ND	3.0 µg/L
32	Ethylbenzene	48	1.5 µg/L
33	m,p-Xylene	150	1.5 µg/L
34	Bromoform	ND	3.0 µg/L
35	o-Xylene	27	1.5 µg/L
36	1,1,2,2-Tetrachloroethane	ND	3.0 µg/L
37	1,3-Dichlorobenzene	ND	3.0 µg/L
38	1,4-Dichlorobenzene	ND	3.0 µg/L
39	1,2-Dichlorobenzene	14	3.0 µg/L

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

ND = Not Detected

Roger Scholl Randy Gardner

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

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

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

2/5/16
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: STR16012924-04A
Client I.D. Number: MW-5

Sampled: 01/28/16 10:38
Received: 01/29/16
Extracted: 02/02/16
Analyzed: 02/02/16

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	8.0 µg/L
2	Vinyl chloride	ND	2.0 µg/L
3	Chloroethane	ND	2.0 µg/L
4	Bromomethane	ND	8.0 µg/L
5	Trichlorofluoromethane	ND	2.0 µg/L
6	1,1-Dichloroethene	ND	2.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	20 µg/L
8	Dichloromethane	ND	8.0 µg/L
9	trans-1,2-Dichloroethene	ND	2.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	1.0 µg/L
11	1,1-Dichloroethane	ND	2.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	2.0 µg/L
13	cis-1,2-Dichloroethene	ND	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	4.1	2.0 µg/L
17	1,1,1-Trichloroethane	ND	2.0 µg/L
18	Carbon tetrachloride	ND	2.0 µg/L
19	Benzene	15	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	ND	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	13	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	160	1.0 µg/L
33	m,p-Xylene	90	1.0 µg/L
34	Bromoform	ND	2.0 µg/L
35	o-Xylene	8.7	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

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

2/5/16
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: STR16012924-05A
Client I.D. Number: MW-6

Sampled: 01/28/16 10:54
Received: 01/29/16
Extracted: 02/02/16
Analyzed: 02/02/16

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	4.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	4.0 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	4.0 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	52	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	5.7	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	89	0.50 µg/L
33	m,p-Xylene	70	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	4.7	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

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

ND = Not Detected

Roger Scholl Randy Gardner

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

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

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

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

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

2/5/16
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: STR16012924-06A
Client I.D. Number: MW-7

Sampled: 01/28/16 11:02
Received: 01/29/16
Extracted: 02/01/16
Analyzed: 02/01/16

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	12 µg/L
2	Vinyl chloride	6.7	3.0 µg/L
3	Chloroethane	ND	3.0 µg/L
4	Bromomethane	ND	12 µg/L
5	Trichlorofluoromethane	ND	3.0 µg/L
6	1,1-Dichloroethene	ND	3.0 µg/L
7	Tertiary Butyl Alcohol (TBA)	ND	30 µg/L
8	Dichloromethane	ND	12 µg/L
9	trans-1,2-Dichloroethene	4.5	3.0 µg/L
10	Methyl tert-butyl ether (MTBE)	ND	1.5 µg/L
11	1,1-Dichloroethane	ND	3.0 µg/L
12	Di-isopropyl Ether (DIPE)	ND	3.0 µg/L
13	cis-1,2-Dichloroethene	93	3.0 µg/L
14	Chloroform	ND	3.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	3.0 µg/L
16	1,2-Dichloroethane	ND	3.0 µg/L
17	1,1,1-Trichloroethane	ND	3.0 µg/L
18	Carbon tetrachloride	ND	3.0 µg/L
19	Benzene	280	1.5 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	3.0 µg/L
21	1,2-Dichloropropane	ND	3.0 µg/L
22	Trichloroethene	3.1	3.0 µg/L
23	Bromodichloromethane	ND	3.0 µg/L
24	cis-1,3-Dichloropropene	ND	3.0 µg/L
25	trans-1,3-Dichloropropene	ND	3.0 µg/L
26	1,1,2-Trichloroethane	ND	3.0 µg/L
27	Toluene	98	1.5 µg/L
28	Dibromochloromethane	ND	3.0 µg/L
29	1,2-Dibromoethane (EDB)	ND	6.0 µg/L
30	Tetrachloroethene	ND	3.0 µg/L
31	Chlorobenzene	ND	3.0 µg/L
32	Ethylbenzene	190	1.5 µg/L
33	m,p-Xylene	150	1.5 µg/L
34	Bromoform	ND	3.0 µg/L
35	o-Xylene	28	1.5 µg/L
36	1,1,2,2-Tetrachloroethane	ND	3.0 µg/L
37	1,3-Dichlorobenzene	ND	3.0 µg/L
38	1,4-Dichlorobenzene	ND	3.0 µg/L
39	1,2-Dichlorobenzene	ND	3.0 µg/L

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

ND = Not Detected

Roger Scholl — Randy Gardner

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

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

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

2/5/16
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: STR16012924-07A
Client I.D. Number: MW-8

Sampled: 01/28/16 10:25
Received: 01/29/16
Extracted: 02/01/16
Analyzed: 02/01/16

Volatile Organics by GC/MS
EPA Method 624/8260

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	1.1	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	2.8	1.0 µg/L
14	Chloroform	ND	1.0 µg/L
15	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L
16	1,2-Dichloroethane	ND	1.0 µg/L
17	1,1,1-Trichloroethane	ND	1.0 µg/L
18	Carbon tetrachloride	ND	1.0 µg/L
19	Benzene	ND	0.50 µg/L
20	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L
21	1,2-Dichloropropane	ND	1.0 µg/L
22	Trichloroethene	1.6	1.0 µg/L
23	Bromodichloromethane	ND	1.0 µg/L
24	cis-1,3-Dichloropropene	ND	1.0 µg/L
25	trans-1,3-Dichloropropene	ND	1.0 µg/L
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	1.8	1.0 µg/L
31	Chlorobenzene	ND	1.0 µg/L
32	Ethylbenzene	ND	0.50 µg/L
33	m,p-Xylene	ND	0.50 µg/L
34	Bromoform	ND	1.0 µg/L
35	o-Xylene	ND	0.50 µg/L
36	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
37	1,3-Dichlorobenzene	ND	1.0 µg/L
38	1,4-Dichlorobenzene	ND	1.0 µg/L
39	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

Roger Scholl Randy Gardner

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

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

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

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

2/5/16
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: STR16012924 **Job:** Grimit Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
16012924-01A	MW-1	Aqueous	7
16012924-02A	MW-2	Aqueous	7
16012924-03A	MW-4	Aqueous	7
16012924-04A	MW-5	Aqueous	7
16012924-05A	MW-6	Aqueous	2
16012924-06A	MW-7	Aqueous	2
16012924-07A	MW-8	Aqueous	6

2/5/16

Report Date

Alpha Analytical, Inc.

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

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

Date: *05-Feb-16*

QC Summary Report

Work Order: 16012924

Method Blank

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

File ID: Batch ID: **W0202OG** Analysis Date: **02/02/2016 00:00**

Sample ID: **MBLK-W0202OG** Units : µg/L Run ID: **WETLAB_160202A** Prep Date: **02/02/2016 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: **W0202OG** Analysis Date: **02/02/2016 00:00**

Sample ID: **LCS-W0202OG** Units : µg/L Run ID: **WETLAB_160202A** Prep Date: **02/02/2016 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, HEM	39600	5000	40000		99	78	114			

Sample Matrix Spike

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

File ID: Batch ID: **W0202OG** Analysis Date: **02/02/2016 00:00**

Sample ID: **16012924-02AMS** Units : µg/L Run ID: **WETLAB_160202A** Prep Date: **02/02/2016 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, HEM	40600	5000	40000	0	102	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

Alpha Analytical, Inc.

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

Date: *05-Feb-16*

QC Summary Report

Work Order: 16012924

Method Blank

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

File ID: Batch ID: **W0202SG** Analysis Date: **02/02/2016 00:00**

Sample ID: **MBLK-W0202SG** Units : µg/L Run ID: **WETLAB_160202B** Prep Date: **02/02/2016 00:00**

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

Laboratory Control Spike

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

File ID: Batch ID: **W0202SG** Analysis Date: **02/02/2016 00:00**

Sample ID: **LCS-W0202SG** Units : µg/L Run ID: **WETLAB_160202B** Prep Date: **02/02/2016 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, SGT-HEM	17500	5000	20000		88	64	132			

Sample Matrix Spike

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

File ID: Batch ID: **W0202SG** Analysis Date: **02/02/2016 00:00**

Sample ID: **16012924-02AMS** Units : µg/L Run ID: **WETLAB_160202B** Prep Date: **02/02/2016 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Oil & Grease, SGT-HEM	19000	5000	20000	0	95	64	132			

Comments:

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

SGT-HEM = Silica Gel Treated Hexane Extractable Material

Alpha Analytical, Inc.

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

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

Date: 05-Feb-16

QC Summary Report

Work Order: 16012924

Method Blank

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

File ID: **16020109.D** Batch ID: **MS09W0201B** Analysis Date: **02/01/2016 13:16**

Sample ID: **MBLK MS09W0201B** Units : **µg/L** Run ID: **MSD_09_160201A** Prep Date: **02/01/2016 13:16**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.12		10		91	70	130			
Surr: Toluene-d8	9.84		10		98	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: **16020108.D** Batch ID: **MS09W0201B** Analysis Date: **02/01/2016 12:45**

Sample ID: **GLCS MS09W0201B** Units : **µg/L** Run ID: **MSD_09_160201A** Prep Date: **02/01/2016 12:45**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	340	50	400		85	70	130			
Surr: 1,2-Dichloroethane-d4	9.96		10		99.6	70	130			
Surr: Toluene-d8	9.72		10		97	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: **16020121.D** Batch ID: **MS09W0201B** Analysis Date: **02/01/2016 18:16**

Sample ID: **16012924-07AGS** Units : **µg/L** Run ID: **MSD_09_160201A** Prep Date: **02/01/2016 18:16**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1950	250	2000	0	97	54	143			
Surr: 1,2-Dichloroethane-d4	50.3		50		101	70	130			
Surr: Toluene-d8	47.3		50		95	70	130			
Surr: 4-Bromofluorobenzene	48.5		50		97	70	130			

Sample Matrix Spike Duplicate

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

File ID: **16020122.D** Batch ID: **MS09W0201B** Analysis Date: **02/01/2016 18:40**

Sample ID: **16012924-07AGSD** Units : **µg/L** Run ID: **MSD_09_160201A** Prep Date: **02/01/2016 18:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1940	250	2000	0	97	54	143	1950	0.4(23)	
Surr: 1,2-Dichloroethane-d4	50.8		50		102	70	130			
Surr: Toluene-d8	47.8		50		96	70	130			
Surr: 4-Bromofluorobenzene	49		50		98	70	130			

Comments:

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

Reported in micrograms per Liter, per cleint request.

Alpha Analytical, Inc.

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

Date: 05-Feb-16

QC Summary Report

Work Order: 16012924

Method Blank

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

File ID: **16020109.D** Batch ID: **MS09W0201A** Analysis Date: **02/01/2016 13:16**

Sample ID: **MBLK MS09W0201A** Units : µg/L Run ID: **MSD_09_160201A** Prep Date: **02/01/2016 13:16**

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	9.12		10		91	70	130			
Surr: Toluene-d8	9.84		10		98	70	130			
Surr: 4-Bromofluorobenzene	10.3		10		103	70	130			

Laboratory Control Spike

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

File ID: **16020107.D** Batch ID: **MS09W0201A** Analysis Date: **02/01/2016 12:21**

Sample ID: **LCS MS09W0201A** Units : µg/L Run ID: **MSD_09_160201A** Prep Date: **02/01/2016 12:21**

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)	11.4	0.5	10		114	63	137			
Benzene	10.3	0.5	10		103	70	130			
Trichloroethene	10.2	1	10		102	68	138			
Toluene	10.1	0.5	10		101	70	130			
Chlorobenzene	9.3	1	10		93	70	130			
Ethylbenzene	9.81	0.5	10		98	70	130			
m,p-Xylene	9.81	0.5	10		98	65	139			
o-Xylene	9.65	0.5	10		97	70	130			
Surr: 1,2-Dichloroethane-d4	9.79		10		98	70	130			
Surr: Toluene-d8	9.81		10		98	70	130			
Surr: 4-Bromofluorobenzene	10		10		100	70	130			

Alpha Analytical, Inc.

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

Date: *05-Feb-16*

QC Summary Report

Work Order: 16012924

Sample Matrix Spike

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

File ID: **16020119.D** Batch ID: **MS09W0201A** Analysis Date: **02/01/2016 17:28**

Sample ID: **16012924-07AMS** Units : **µg/L** Run ID: **MSD_09_160201A** Prep Date: **02/01/2016 17:28**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	65.4	2.5	50	0	131	62	133			
Methyl tert-butyl ether (MTBE)	75	1.3	50	0	150	56	140			M1
Benzene	64	1.3	50	0	128	67	134			
Trichloroethene	66.5	2.5	50	1.59	130	68	138			
Toluene	63.4	1.3	50	0	127	38	130			
Chlorobenzene	56.8	2.5	50	0	114	70	130			
Ethylbenzene	60.3	1.3	50	0	121	70	130			
m,p-Xylene	58.5	1.3	50	0	117	65	139			
o-Xylene	58.5	1.3	50	0	117	69	130			
Surr: 1,2-Dichloroethane-d4	52		50		104	70	130			
Surr: Toluene-d8	48.9		50		98	70	130			
Surr: 4-Bromofluorobenzene	48.5		50		97	70	130			

Sample Matrix Spike Duplicate

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

File ID: **16020120.D** Batch ID: **MS09W0201A** Analysis Date: **02/01/2016 17:52**

Sample ID: **16012924-07AMSD** Units : **µg/L** Run ID: **MSD_09_160201A** Prep Date: **02/01/2016 17:52**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	70.3	2.5	50	0	141	62	133	65.37	7.2(35)	M1
Methyl tert-butyl ether (MTBE)	79.5	1.3	50	0	159	56	140	74.98	5.8(40)	M1
Benzene	69.2	1.3	50	0	138	67	134	63.99	7.8(21)	M1
Trichloroethene	71.3	2.5	50	1.59	139	68	138	66.48	7.0(20)	M1
Toluene	68.2	1.3	50	0	136	38	130	63.38	7.3(20)	M1
Chlorobenzene	61.3	2.5	50	0	123	70	130	56.82	7.5(20)	
Ethylbenzene	64.8	1.3	50	0	130	70	130	60.27	7.2(20)	
m,p-Xylene	63.6	1.3	50	0	127	65	139	58.46	8.4(20)	
o-Xylene	62.3	1.3	50	0	125	69	130	58.51	6.2(20)	
Surr: 1,2-Dichloroethane-d4	51.1		50		102	70	130			
Surr: Toluene-d8	48.8		50		98	70	130			
Surr: 4-Bromofluorobenzene	47.2		50		94	70	130			

Comments:

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

M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.

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 : STR16012924

Report Due By : 5:00 PM On : 05-Feb-16

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 # : 04538 Job : Grimit Auto

Cooler Temp	Samples Received	Date Printed
0 °C	29-Jan-16	29-Jan-16

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
STR16012924-01A	MW-1	AQ	01/28/16 11:11	8	0	5	X	X	GAS-C	8260/OXY/ EDB_Cs					
STR16012924-02A	MW-2	AQ	01/28/16 10:47	8	0	5	X	X	GAS-C	8260/OXY/ EDB_Cs					
STR16012924-03A	MW-4	AQ	01/28/16 11:18	8	0	5	X	X	GAS-C	8260/OXY/ EDB_Cs					
STR16012924-04A	MW-5	AQ	01/28/16 10:38	8	0	5	X	X	GAS-C	8260/OXY/ EDB_Cs					
STR16012924-05A	MW-6	AQ	01/28/16 10:54	8	0	5	X	X	GAS-C	8260/OXY/ EDB_Cs					
STR16012924-06A	MW-7	AQ	01/28/16 11:02	8	0	5	X	X	GAS-C	8260/OXY/ EDB_Cs					
STR16012924-07A	MW-8	AQ	01/28/16 10:25	8	0	5	X	X	GAS-C	8260/OXY/ EDB_Cs					

Comments: Security seals intact. Frozen ice. :

	Signature	Print Name	Company	Date/Time
Logged in by:	K Murray	K Murray	Alpha Analytical, Inc.	1/29/16 1245

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:
Address: 3330 Cameron Park Dr
City, State, Zip: Cameron Pk
Phone Number: _____ Fax: _____

Alpha Analytical, Inc.
Environmental Lab

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

04538

Page # 1 of 1

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

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

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

QC Deliverable Info:
EDD Required? Yes / No — EDF Required? Yes / No
Global ID: T0600100667
Data Validation Packages: III or IV

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

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	GRO	BTEX	5 Oxys	1,2 DCA	EDB	Oil & Grease	HVOC's	Remarks
1111	12/28/16	AQ	STR1601292A-01	MW-1	STD	8		X	X	X	X	X	X	X	X	
1047			02	MW-2		8										
1118			03	MW-4		8										
1038			04	MW-5		8										
1054			05	MW-6		8										
1102			06	MW-7		8										
1025	12/28/16	AQ	07	MW-8	STD	8		X	X	X	X	X	X	X	X	

ADDITIONAL INSTRUCTIONS: Oil + Grease silica gel Clean up

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: CHG

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
CHG Stratus	12816	1438	EiFMciano	012816	1438
			K Murray	1/29/16	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.