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Alameda County
Environmental Health

Ms. Barbara Jakub, P.G.
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

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

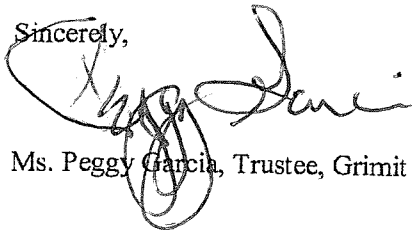
Dear Ms. Jakub:

Stratus Environmental, Inc. (Stratus) has recently prepared a report entitled *Quarterly Groundwater Monitoring Report, Third Quarter 2011* on my behalf. The report was prepared in regards to Alameda County Fuel Leak Case No. RO0000413, for Gritmit Auto Repair and Service, 1970 Seminary Boulevard, Oakland, California.

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

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

Sincerely,



Ms. Peggy Garcia, Trustee, Gritmit Family Trust

Cc: Angel LaMarca



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

October 31, 2011
Project No. 2090-1970-01

Ms. Barbara Jakub, P.G.
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Interim Remedial Action and Third Quarter 2011
Groundwater Monitoring and Sampling Results Report
Grimit Auto Repair and Service
1970 Seminary Boulevard, Oakland, California
Fuel Leak Case No. RO0000413

Dear Ms. Jakub:

Stratus Environmental, Inc. (Stratus) is submitting the attached report, on behalf of Ms. Peggy Garcia, for the Grimit Auto Repair and Service underground storage tank fuel leak case, located at 1970 Seminary Boulevard, Oakland, California. This report presents a summary of activities completed during the third quarter 2011, and presents the findings of a groundwater monitoring and sampling event performed in July 2011. This report has been prepared in compliance with 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@stratusenv.com

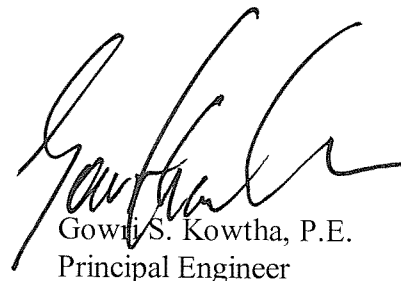
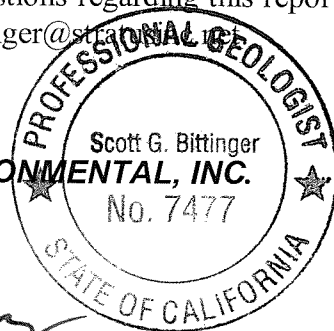
Sincerely,

STRATUS ENVIRONMENTAL, INC.



Scott Bittinger, P.G.

Project Manager



Gowri S. Kowtha, P.E.
Principal Engineer

Attachment: Interim Remedial Action and Third Quarter 2011 Groundwater Monitoring and Sampling Results Report

cc: Ms. Peggy Garcia, Trustee, Grimit Family Trust (email: peggy.h.garcia@sbcglobal.net)
Ms. Angel LaMarca (email: angelcpt@gmail.com)

October 31, 2011

**GRIMIT AUTO REPAIR & SERVICE
INTERIM REMEDIAL ACTION AND THIRD QUARTER 2011
GROUNDWATER MONITORING AND SAMPLING RESULTS 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: Ms. Barbara Jakub, Alameda County Environmental Health
Department (ACEHD), Fuel Leak Case No. RO0000413

WORK PERFORMED THIS QUARTER (Third 2011):

1. Stratus conducted groundwater monitoring and sampling activities on July 12, 2011. During this event, wells MW-1 through MW-9 were gauged to determine depth to groundwater and evaluated for the presence of free product. Monitoring wells MW-2 through MW-9 were also gauged for dissolved oxygen (DO), temperature, pH, oxygen reduction potential (ORP) and conductivity. Following gauging, these wells were purged and sampled. MW-1 was not sampled during this sampling event due to the presence of free phase liquid hydrocarbons (free product). Groundwater samples were forwarded to a state-certified analytical laboratory for analysis. Field data sheets, sampling procedures and laboratory analytical reports are included as Appendices A, B, and C, respectively. Analytical results of sampled wells and depth to groundwater measurements have been uploaded to the State of California's GeoTracker database. Documentation of these data uploads is attached in Appendix D.
2. On July 28, 2011, representatives of Stratus, ACEHD, and the Gritmit Family Trust met to discuss the environmental issues associated with the property and future management of the site's environmental case. During this meeting, ACEHD requested that interim remedial action be performed at well MW-1 in order to manually remove free product. Other topics discussed in the meeting pertained to ACEHD's request to further investigate the lateral extent of free product impact, performance of onsite and offsite soil gas sampling, the location of offsite direct push soil borings for evaluation of the extent of impact adjacent to the site, and timelines for performing work. Stratus also noted difficulties in obtaining access to offsite properties to perform assessment and soil gas sampling work, and requested ACEHD assistance with this task.
3. Stratus prepared and submitted a *Revised Interim Remedial Action Plan and Work Plan Addendum* (Addendum) to ACEHD on August 22, 2011. Discussions from the July 28, 2011 meetings were incorporated into the scope of work presented in this document.
4. Stratus personnel visited the site on August 2, 8, 18, 23 and September 6 and 29, 2011 to monitor free product thickness and manually remove free product mixture (excluding the July 12, 2011 well gauging event). Stratus also attempted to visit the site on September 21, 2011, however these efforts were deterred by a police exclusion zone.
5. After obtaining concurrence from ACEHD, Stratus installed a free product removal sock in well MW-1 on September 29, 2011.

WORK PROPOSED FOR NEXT QUARTER (Fourth 2011):

1. In accordance with State Board Resolution No. 2009-0042, the frequency of groundwater monitoring and sampling for all site wells has been reduced to semi-annual (1st and 3rd quarters); therefore, no monitoring/sampling is planned for fourth quarter 2011.
2. Stratus will visit the property approximately twice per month in order to remove free product from well MW-1.

Current Phase of Project:	Monitoring / Interim Remedial Action
Frequency of Groundwater Monitoring:	All wells = Semi-annually (1 st & 3 rd quarters)
Frequency of Groundwater Sampling:	All wells = Semi-annually (1 st & 3 rd quarters)
Groundwater Sampling Date:	July 12, 2011
Is Free Product (FP) Present on Site:	Yes (MW-1, up to 0.30 ft thickness): Sheen observed at MW-7 (3Q11)
Approximate Depth to Groundwater (Shallow Screened Wells):	4.63 to 11.98 feet below top of well casing
Approximate Depth to Groundwater (Deep Screened Wells)	11.12 to 20.90 feet below top of well casing
Groundwater Flow Direction and Gradient (Shallow Screened Wells):	West-northwest ; 0.14 ft/ft
Groundwater Flow Direction and Gradient (Deep Screened Wells):	Predominantly north ; 0.14 ft/ft

DISCUSSION:

Stratus conducted groundwater monitoring and sampling activities on July 12, 2011. During this event, wells MW-1 through MW-9 were gauged to determine depth to groundwater and evaluated for the presence of free product. Monitoring wells MW-2 through MW-9 were also gauged for DO, temperature, pH, ORP and conductivity. MW-1 was not sampled during this sampling event due to the presence of free product. Following gauging, monitoring wells MW-2 through MW-9 were purged and sampled. Groundwater samples were forwarded to a state-certified analytical laboratory for gasoline range organics (GRO) by EPA Method 8015, 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), naphthalene, 1,2-dichloroethane (1,2-DCA), 1,2- dibromoethane (EDB) and halogenated volatile organic compounds (HVOCs) by EPA Method 8260B and oil & grease (O&G) with silica gel cleanup by EPA Method 1664A.

Shallow Screened Well Network

Four groundwater monitoring wells (MW-3, MW-6, MW-8 and MW-9) have been screened to monitor groundwater occurrence and quality beneath the site across the water table interface (referred to as "shallow screened"). At the time of the third quarter 2011 sampling event, depth to groundwater ranged from 4.63 and 11.98 feet below the top of the well casing. Groundwater elevations had decreased between 0.30 and 1.47 feet in all wells since the previous monitoring event (January 31, 2011). Depth-to-water measurements were converted to feet above mean sea level (MSL) and used to construct a groundwater elevation contour map (Figure 3). A west-northwest groundwater flow direction was observed, using the July 2011 groundwater level measurements, with a calculated gradient of approximately 0.14 ft/ft. These data are generally consistent with the findings of previous work.

During the third quarter 2011 sampling event, concentrations of GRO were reported in monitoring wells MW-6 (610 micrograms per liter ($\mu\text{g/L}$)), MW-8 (61 $\mu\text{g/L}$) and MW-9 (930 $\mu\text{g/L}$). Monitoring well MW-6 also reported concentrations of benzene, toluene, ethylbenzene and xylenes at 47 $\mu\text{g/L}$, 2.5 $\mu\text{g/L}$, 34

µg/L and 27 µg/L, respectively, and MW-8 reported benzene (1.1 µg/L), cis-1,2- DCE (31 µg/L), PCE (12 µg/L), TCE (15 µg/L) and vinyl chloride (VC) (2.4 µg/L). Monitoring well MW-3 reported no concentrations of any sampled analytes during the third quarter 2011. Analytical results of GRO, benzene and MTBE for groundwater samples collected during the third quarter 2011 are presented in Figure 5. Analytical results of select halogenated volatile organic compounds for groundwater samples collected during the third quarter 2011 are presented in Figure 6.

Deep Screened Well Network

Five groundwater monitoring wells (MW-1, MW-2, MW-4, MW-5 and MW-7) have been screened below the level of the site's fluctuating water table interface and thus often have submerged well screens; these wells constitute the 'deep screened' wells at the site. During the third quarter 2011, all deeper screened monitoring wells were gauged for depth to water, presence of free product, temperature, DO, conductivity, pH, and ORP. Following gauging, MW-2, MW-4, MW-5 and MW-7 were purged and sampled. Due to the presence of free product, at a thickness of 0.30 feet, MW-1 was not sampled. Sheen was also noted in well MW-7.

Depth to groundwater ranged from 11.12 to 20.90 feet below the top of the well casing. Depth-to-water measurements were converted to feet above MSL and used to construct a groundwater elevation contour map (Figure 4). At the time of the third quarter 2011 sampling event, groundwater elevations had decreased between 0.14 and 1.71 feet in all deep zoned wells since the previous monitoring event (January 31, 2011), with the exception of well MW-2 which increased 9.03 feet since the last gauging event. A predominantly northerly groundwater flow direction with a calculated gradient of approximately 0.14 ft/ft was observed during the third quarter 2011 monitoring event. This data is generally consistent with the results of previous work at the site.

GRO was reported in deep-screened monitoring wells MW-2, MW-4, MW-5 and MW-7 with a maximum concentration of 5,700 µg/L detected in MW-5. GRO, benzene and ethylbenzene were reported in monitoring well MW-2 at concentrations of 410 µg/L, 1.3 µg/L and 0.55 µg/L, respectively. Monitoring well MW-4 reported concentrations of GRO (1,300 µg/L), benzene (88 µg/L), toluene (5.8 µg/L), ethylbenzene (18 µg/L), xylenes (0.84 µg/L), MTBE (3.1 µg/L), 1,2-DCB (18 µg/L), cis-1-2-DCE (52 µg/L), trans-1-2-DCE (17 µg/L), and vinyl chloride (100 µg/L). Well MW-5 reported concentrations of GRO (5,700 µg/L), benzene (30 µg/L), toluene (11 µg/L), ethylbenzene (190 µg/L) and xylenes (89 µg/L). GRO (5,500 µg/L), benzene (150 µg/L), toluene (45 µg/L), ethylbenzene (7.9 µg/L), xylenes (51.9 µg/L), cis-1-2-DCE (190 µg/L), and vinyl chloride (43 µg/L) were reported in well MW-7. Analytical results of GRO, benzene and MTBE and select halogenated volatile organic compounds for groundwater samples collected during the third quarter 2011 are presented in Figures 5 and 6, respectively.

Free Product Measurement and Removal

Free product was measured at thicknesses ranging from 0.09 feet and 0.3 feet during the third quarter 2011. A total of six gallons of free product / groundwater mixture was removed during the third quarter 2011. Table 5 details the free product thickness measurements and summarizes removal efforts. Field Data Sheets documenting the free product measurement and removal efforts are included in Appendix A.

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 Free Product Measurement and Removal Summary
- Figure 1 Site Location Map
- Figure 2 Site Plan
- Figure 3 Groundwater Elevation Contour Map, Shallow Screened Wells

- Figure 4 Groundwater Elevation Contour Map, Deep Screened Wells
- Figure 5 Petroleum Hydrocarbon Groundwater Analytical Summary (3rd Quarter 2011)
- Figure 6 Halogenated VOC Groundwater Analytical Summary (3rd Quarter 2011)
- Appendix A Field Data Sheets
- Appendix B Sampling and Analyses Procedures
- Appendix C Laboratory Analytical Reports and Chain-of-Custody Documentation
- Appendix D GeoTracker Electronic Submittal Confirmations

**TABLE 1
GROUNDWATER ELEVATION SUMMARY**

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

Well Number	Date	Depth to Water (ft)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	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
	1/23/2009 [1]	19.71	40.02	0.08	20.37
	07/20/09	19.58	40.02	0.125	20.53
	1/25/2010 [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	
MW-2 (deep)	07/22/00	13.73	36.40	--	22.67
	01/29/01	12.25	36.40	--	24.15
	7/28/2001 [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
	1/23/2009 [1]	20.17	39.42	--	19.25
	07/20/09	15.16	39.42	--	24.26
	1/25/2010 [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	

**TABLE 1
GROUNDWATER ELEVATION SUMMARY**

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

Well Number	Date	Depth to Water (ft)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Elevation (corrected*) (ft MSL)
MW-3 (shallow)	07/22/00	9.41	36.94	--	27.53
	01/29/01	7.23	36.94	--	29.71
	07/28/01	8.63	36.94	--	28.31
	02/03/02	7.99	36.94	--	28.95
	07/23/02	10.17	36.94	--	26.77
	01/20/03	6.76	36.94	--	30.18
	07/30/03	10.13	36.94	--	26.81
	01/27/04	7.65	36.94	--	29.29
	07/22/04	11.29	39.95	--	28.66
	01/20/05	6.24	39.95	--	33.71
	07/20/05	9.03	39.95	--	30.92
	01/26/06	6.49	39.95	--	33.46
	07/27/06	8.80	39.95	--	31.15
	01/24/07	8.75	39.95	--	31.20
	07/18/07	11.29	39.95	--	28.66
	02/15/08	6.79	39.95	--	33.16
	07/25/08	12.40	39.95	--	27.55
	1/23/2009 [1]	9.72	39.95	--	30.23
	07/20/09	10.81	39.95	--	29.14
	1/25/2010 [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	
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
	1/23/2009 [1]	19.99	36.49	--	16.50
	07/20/09	20.58	36.49	--	15.91
	1/25/2010 [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	

**TABLE 1
GROUNDWATER ELEVATION SUMMARY**

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

Well Number	Date	Depth to Water (ft)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	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
	2/15/2008 [1]	16.35	39.79	--	23.44
	07/25/08	20.57	39.79	--	19.22
	1/23/2009 [1]	19.42	39.79	--	20.37
	07/20/09	20.35	39.79	--	19.44
	1/25/2010 [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	
MW-6 (shallow)	07/22/00	11.50	36.42	--	24.92
	01/29/01	9.34	36.42	--	27.08
	07/28/01	NA	36.42	--	NA
	02/03/02	9.32	36.42	--	27.10
	07/23/02	11.33	36.42	--	25.09
	01/20/03	8.49	36.42	--	27.93
	07/30/03	11.35	36.42	--	25.07
	01/27/04	9.20	36.42	--	27.22
	07/22/04	11.13	39.44	--	28.31
	01/20/05	7.65	39.44	--	31.79
	07/20/05	10.02	39.44	--	29.42
	01/26/06	8.13	39.44	--	31.31
	07/27/06	10.59	39.44	--	28.85
	01/24/07	10.09	39.44	--	29.35
	07/18/07	11.06	39.44	--	28.38
	02/15/08	8.17	39.44	--	31.27
	07/25/08	11.30	39.44	--	28.14
	1/23/2009 [1]	9.82	39.44	--	29.62
	07/20/09	11.02	39.44	--	28.42
	1/25/2010 [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	

**TABLE 1
GROUNDWATER ELEVATION SUMMARY**

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

Well Number	Date	Depth to Water (ft)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	Elevation (corrected*) (ft MSL)
MW-7 (deep)	07/22/00	19.85	36.83	--	16.98
	01/29/01	17.59	36.83	--	19.24
	07/28/01	20.05	36.83	--	16.78
	02/03/02	15.89	36.83	--	20.94
	07/23/02	19.57	36.83	--	17.26
	01/20/03	15.36	36.83	--	21.47
	07/30/03	19.21	36.83	--	17.62
	01/27/04	16.84	36.83	--	19.99
	07/22/04	20.17	39.84	--	19.67
	01/20/05	14.44	39.84	--	25.40
	07/20/05	17.26	39.84	--	22.58
	01/26/06	14.55	39.84	--	25.29
	07/27/06	18.13	39.84	--	21.71
	01/24/07	18.03	39.84	--	21.81
	07/18/07	19.76	39.84	--	20.08
	02/15/08	15.44	39.84	--	24.40
	7/25/2008 [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
	1/25/2010 [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	
MW-8 (shallow)	07/22/00	5.47	36.55	--	31.08
	01/29/01	3.01	36.55	--	33.54
	07/23/02	5.11	36.55	--	31.44
	01/20/03	3.57	36.55	--	32.98
	07/30/03	5.23	36.55	--	31.32
	01/27/04	4.26	36.55	--	32.29
	07/22/04	5.42	36.55	--	31.13
	01/20/05	3.39	36.55	--	33.16
	07/20/10	5.14	39.49	--	34.35
	01/26/06	3.70	39.49	--	35.79
	07/27/06	5.63	39.49	--	33.86
	01/24/07	4.87	39.49	--	34.62
	07/18/07	5.41	39.49	--	34.08
	02/15/08	3.77	39.49	--	35.72
	07/25/08	5.67	39.49	--	33.82
	1/23/2009 [1]	3.55	39.49	--	35.94
	07/20/09	5.71	39.49	--	33.78
	1/25/2010 [1,2]	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	

**TABLE 1
GROUNDWATER ELEVATION SUMMARY**

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

Well Number	Date	Depth to Water (ft)	Well Casing Elevation (ft MSL)	LPH Apparent Thickness (ft)	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
	1/23/2009 [1]	13.08	39.71	--	26.63
	07/20/09	13.63	39.71	--	26.08
	1/25/2010 [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	

Legend/Key:
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
 Gritmit Auto Repair & Automotive Service, 1970 Seminary Avenue, Oakland, California

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-1 (deep)	07/22/00	37,000	320,000[1,2]	2,200	2,600	1,300	5,200	NS
	01/29/01	36,000	76,000[1,2]	2,100	2,300	1,200	4,500	NS
	07/28/01	99,000	86,000[1,2]	1,500	2,300	1,700	6,600	NS
	02/03/02	42,000	42,000[1,2]	1,200	1,300	1,100	3,900	NS
	07/23/02	53,000	170,000[1,2]	1,700	2,800	1,500	5,100	NS
	01/20/03	33,000	65,000[1,2]	2,100	2,500	1,300	4,400	NS
	07/30/03	24,000	55,000[1]	1,300	1,500	760	2,700	NS
	01/27/04	21,000	220,000[1]	1,600	1,500	1,100	3,200	NS
	07/22/04	31,000	780,000[1,2]	1,500	1,700	1,200	4,100	NS
	01/20/05	25,000	72,000[1,2]	1,300	1,400	1,000	2,800	NS
	07/20/05	22,000	500,000[1,2]	1,100	1,600	830	2,600	NS
	01/26/06	28,000	64,000[1,2]	1,600	1,500	1,200	3,500	NS
	07/27/06	25,000	NA	810	1,000	1,100	3,200	NS
	01/25/07	32,000	170,000[1]	990	960	1,100	3,500	NS
	07/19/07	32,000	1,100,000[1]	600	740	950	2,500	NS
	02/15/08	28,000	3,500,000[1,2]	930	780	940	2,500	NS
	07/25/08	28,000	NA	540	580	750	2,000	NA
	01/23/09	52,000	1,000,000[1,2]	420	350	1,400	3,600	NS
	07/21/09	19,000	46,000[1]	530	500	890	2,300	NS
	01/25/10	23,000	140,000[1,2]	780	540	850	2,200	NS
07/29/10				Not Sampled - Free Product present				
01/31/11				Not Sampled - Free Product present				
07/12/11				Not Sampled - Free Product present				

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

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

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

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

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

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-4 (deep)	07/22/00	2,700	7,000[1,2]	940	14	31	12	NS
	01/29/01	2500	<5,000[1,2]	980	11	35	5	NS
	07/28/01	1,100	90,000[1,2]	250	6.3	19	4.8	NS
	02/03/02	2,100	7,400[1,2]	890	23	41	20	NS
	07/23/02	1,200	<5,000[1,2]	490	11	22	8.8	NS
	01/20/03	1,900	<5,000[1,2]	740	11	32	12	NS
	07/30/03	1,700	<5,000[1,2]	440	8.9	18	6.1	NS
	01/27/04	1,100	31,000[1,2]	350	10	17	5.0	NS
	07/22/04	910	54,000[1,2]	210	7.9	19	6.5	NS
	01/20/05	1,900	<5,000[1,2]	550	36	63	43	NS
	07/20/05	1,300	<5,000[1,2]	310	11	36	12	NS
	01/26/06	1,900	26,000[1,2]	500	16	40	12	NS
	07/27/06	980	85,000[1,2]	340	13	18	8.8	NS
	01/24/07	910	7,100[1,2]	230	5	15	4	NS
	07/18/07	960	<5,000[1,2]	150	3.9	9.9	3.4	NS
	02/15/08	1,500	12,000[1,2]	310	12	18	11	NS
	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	NS
	07/20/09	940	12,000[1,2]	230	8.8	6.5	8.0	NS
	01/25/10	1,000	29,000[1,2]	240	6.9	20	8.9	NS
07/29/10	1,000	<5,000	190	7.8	15	4.0	NS	
01/31/11	1,300	20,000 / <5,000[3]	280	14	17	4.6	NS	
07/12/11	1,300	<5,000	88	5.8	18	0.84	NS	

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

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

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

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
MW-6 (shallow)	07/22/00	2,200	<5,000[1,2]	290	9.6	80	43	NS
	01/29/01	2,500	<5,000[1,2]	220	11	150	230	NS
	07/28/01	NA	<5,000[1,2]	NA	NA	NA	NA	NA
	02/03/02	2,500	<5,000[1,2]	290	18	88	330	NS
	07/23/02	1,100	<5,000[1,2]	160	6.5	54	35	NS
	01/20/03	3,800	<5,000[1,2]	370	33	220	300	NS
	07/30/03	2,000	<5,000[1,2]	250	4.8	50	24	NS
	01/27/04	2,600	<5,000[1,2]	420	20	170	180	NS
	07/22/04	1,200	<5,000[1,2]	110	3.2	36	17	NS
	01/20/05	3,100	<5,000[1,2]	280	21	180	250	NS
	07/20/05	730	<5,000[1,2]	66	4.4	25	26	NS
	01/26/06	1,900	<5,000[1,2]	180	12	120	140	NS
	07/27/06	670	<5,000[1,2]	120	5	17	15	NS
	01/25/07	650	<5,000[1,2]	99	2.7	20	16	NS
	07/19/07	4,200	<5,000[1,2]	360	18	47	55	NS
	02/15/08	2,100	<5,000[1,2]	200	10	100	97	NS
	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	NS
	07/21/09	290	<5,000[1,2]	40	1.9	9.3	7.8	NS
	01/25/10	740	<5,000[1,2]	80	4.9	54	62	NS
07/29/10	220	<5,000	25	0.68	7.3	4.9	NS	
01/31/11	1,100	<5,000	85	5.3	75	69.4	NS	
07/12/11	610	<5,000	47	2.5	34	27	NS	

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

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

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

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

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

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

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

Well Number	Date Collected	GRO (µg/L)	Oil & Grease (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)
Legend/Key:								
GRO = Gasoline range organics								
ND= "not-detected" or below the								
Oil and Grease = analyzed by EPA Method 1664A.								
GRO = analyzed by EPA Method 8015B; all other analytes sampled by EPA Method 8260B								
NA= Not available								
NS= Not sampled								
ft msl = feet above mean sea leve								
µg/L = micrograms per liter								
[1]=Gravimetric Method								
[2]= HVOC detected								
[3]= Reported as HEM / SGT HE								

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

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	1,2-EDB (µg/L)
MW-1 (deep)	07/25/08	NA	NA	NA	NA	NA	NA	NA	NA	NA
	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								
MW-2 (deep)	07/25/08	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	1.3	<0.5
	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	NS	NS	9.5	<2.0
	07/12/11	<0.50	<10	<1.0	<1.0	<1.0	NS	NS	<1.0	<2.0
MW-3 (shallow)	07/25/08	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<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	2.4	<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	NS	NS	<1.0	<2.0
	07/12/11	<0.50	<10	<1.0	<1.0	<1.0	NS	NS	<1.0	<2.0
MW-4 (deep)	07/25/08	12	34	<2.5	<2.5	<2.5	<2,500	<250	<2.5	<2.5
	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	NS	NS	<3.0	<6.0
	07/12/11	3.1	<10	<1.0	<1.0	<1.0	NS	NS	<1.0	<2.0
MW-5 (deep)	07/25/08	<5.0	<20	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<0.5
	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	NS	NS	<2.0	<4.0
	07/12/11	<2.5	<50	<5.0	<5.0	<5.0	NS	NS	<5.0	<10

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

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	1,2-EDB (µg/L)
MW-6 (shallow)	07/25/08	<0.5	9.1	<0.5	<0.5	<0.5	<500	<50	0.75	<0.5
	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	NS	NS	<1.0	<2.0
	07/12/11	<0.50	<10	<1.0	<1.0	<1.0	NS	NS	<1.0	<2.0
MW-7 (deep)	07/25/08	<5.0	<20	<5.0	<5.0	<5.0	<5,000	<500	<5.0	<5.0
	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	NS	NS	<3.0	<6.0
	07/12/11	<2.0	<40	<4.0	<4.0	<4.0	NS	NS	<4.0	<8.0
MW-8 (shallow)	07/25/08	<0.5	<2.0	<0.5	<0.5	<0.5	<500	<50	<0.5	<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	NS	NS	<1.0	<2.0
	07/12/11	<0.50	<10	<1.0	<1.0	<1.0	NS	NS	<1.0	<2.0
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	NS	NS	<1.0	<2.0
	07/12/11	<0.50	<10	<1.0	<1.0	<1.0	NS	NS	<1.0	<2.0

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)
 NA= Not Available
 µg/L = micrograms per liter

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

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2- DCE (µg/L)	trans-1,2- DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-1 (deep)	7/22/2000[1]	<2.5	16.0	<2.5	15	<2.5	<2.5	<5.0	<2.5	8.2
	1/29/2001[1]	<10.0	23.0	<10	23	<10.0	<10.0	<10.0	<10.0	<10.0
	7/28/2001[1]	7.4	9.0	0.97	14	6.4	0.95	<0.5	<0.5	15
	2/3/2002[1]	5.5	10.0	1.4	23	5.5	0.59	<0.5	<0.5	7.4
	7/23/2002[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
	1/20/2005[1]	81	<5.0	<5.0	27	<5.0	<5.0	<5.0	<5.0	32
	7/20/2005[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
	7/27/2006[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
	7/25/2008[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						
MW-2 (deep)	07/22/00	<0.5	<0.5	17	10	<0.5	1.2	<0.5	12.0	<0.5
	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	

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

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2- DCE (µg/L)	trans-1,2- DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-3 (shallow)	07/22/00	<0.5	<0.5	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	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
	7/27/2006[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
	1/25/2010[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	
MW-4 (deep)	07/22/00	<10	38	<10	620	<10	<10	<10	19	97
	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
	2/3/2002[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
	1/27/2004[1]	<5.0	41	<5.0	370	25	<5.0	<5.0	32	310
	7/22/2004[1]	<5.0	23	<5.0	120	13	<5.0	<5.0	9.6	280
	1/20/2005[1]	<5.0	28	<5.0	320	23	<5.0	<5.0	81	130
	7/20/2005[1]	<5.0	32	<5.0	230	18	<5.0	<5.0	<5.0	170
	1/26/2006[1]	<5.0	31	<5.0	320	22	<5.0	<5.0	39	330
	7/27/2006[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
	7/19/2007[1]	<5.0	28	<5.0	180	27	<5.0	<5.0	21	460
	2/15/2008[1]	<5.0	31	<5.0	200	25	<5.0	<5.0	22	130
	7/25/2008[1]	5.5	18	<2.5	110	17	<2.5	<2.5	21	87
	1/23/2009[1]	<5.0	27	<5.0	150	23	<5.0	<5.0	<5.0	190
	7/21/2009[1]	<2.5	22	<2.5	84	14	<2.5	<2.5	15	150
	1/25/2010[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	

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

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2- DCE (µg/L)	trans-1,2- DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-5 (deep)	07/22/00	1.8	2.4	1.4	2.6	<1.0	<1.0	<1.0	<1.0	5.0
	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
	2/3/2002[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
	1/27/2004[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	
MW-6 (shallow)	07/22/00	<0.5	<0.5	1.2	9.3	<0.5	<0.5	<0.5	<0.5	0.97
	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
	1/27/2004[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	

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

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2- DCE (µg/L)	trans-1,2- DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-7 (deep)	7/22/2000[1]	<5	18	<5	170	<5	<5	<5	8	<5
	1/29/2001[1]	<5	18	<5	170	<5	<5	<5	8	<5
	7/28/2001[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
	7/19/2007[1]	<0.5	<0.5	<0.5	210	<0.5	<0.5	<0.5	<0.5	31
	2/15/2008[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	
MW-8 (shallow)	07/22/00	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	2.4	1.6	<0.5
	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	

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

Well Number	Date Collected	CA (µg/L)	1,2-DCB (µg/L)	1,2-DCA (µg/L)	cis-1,2- DCE (µg/L)	trans-1,2- DCE (µg/L)	1,2-DCP (µg/L)	PCE (µg/L)	TCE (µg/L)	VC (µg/L)
MW-9 (shallow)	07/22/00	<1	1.4	<1	1.6	<1	<1	<1	<1	<1
	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
	1/20/2005[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
	7/19/2007[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	

Legend/Key:

CA= Chlorethane

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= Tetrachloroethylene (perchloroethene)

TCE= trichloroethene

VC= vinyl chloride

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

NA= Not Available

ft msl = feet above mean sea level

µg/L = micrograms per liter

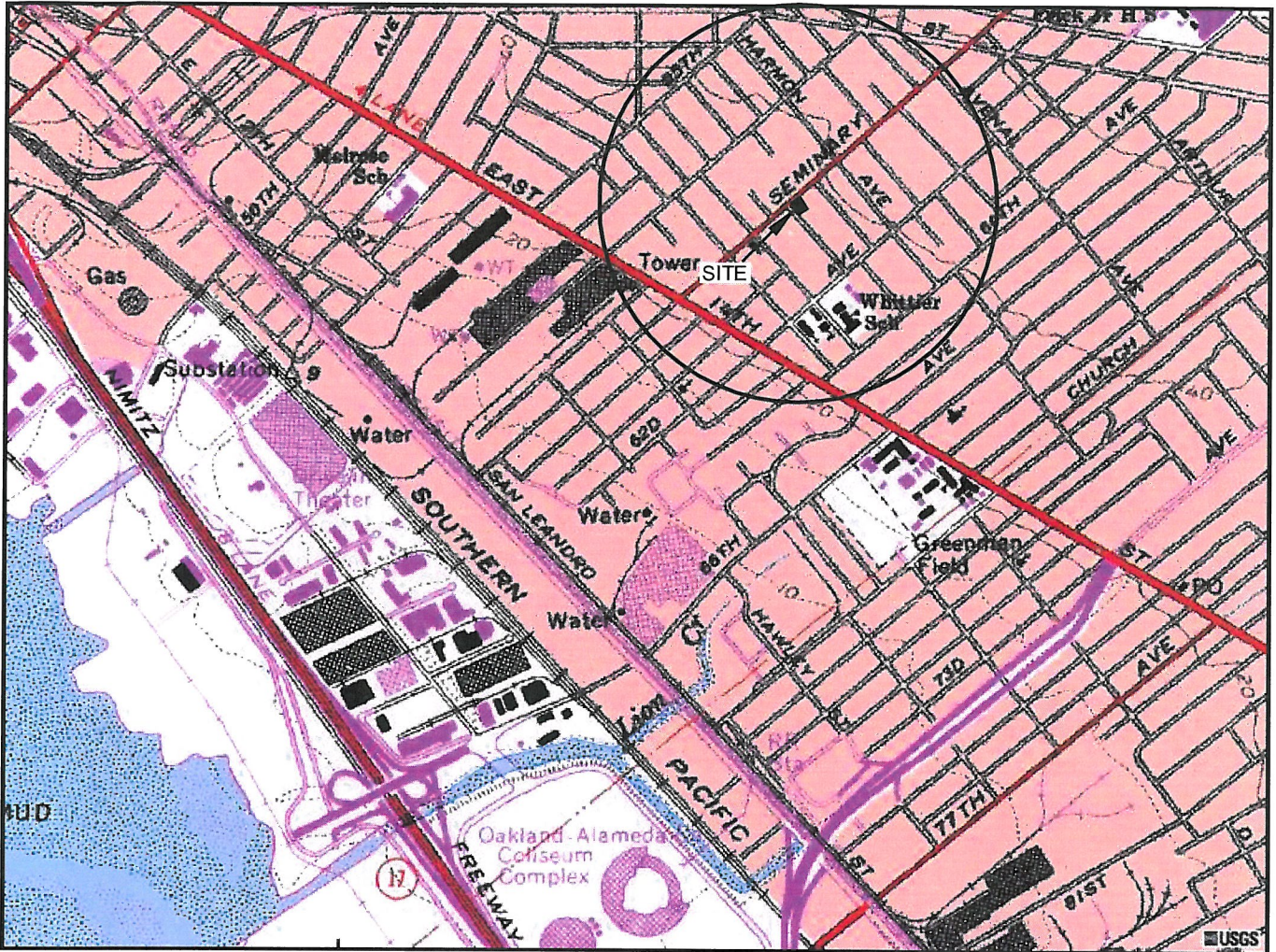
[1] = Additional detections of VOCs noted, refer to GRIMIT/SEMINARY I-10GWSMPLREPORT, dated February 3, 2010.

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

TABLE 5
FREE PRODUCT MEASUREMENT AND REMOVAL SUMMARY

Grimit Auto Repair & Service
 1970 Seminary Avenue, Oakland, California

Well Number	Date	Product Thickness (feet)	Amount Recovered* (gallons)
MW-1	07/12/11	0.30	0.0
	08/02/11	0.25	3.0
	08/18/11	0.09	1.0
	08/23/11	0.10	1.0
	09/06/11	0.13	1.0
	09/29/11	0.13	0.0
Installed product absorbent sock in well on 9/29/11			
Note:			
* = Free product / water mixture through 9/6/11			



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



APPROXIMATE SCALE



QUADRANGLE LOCATION

STRATUS
 ENVIRONMENTAL, INC.

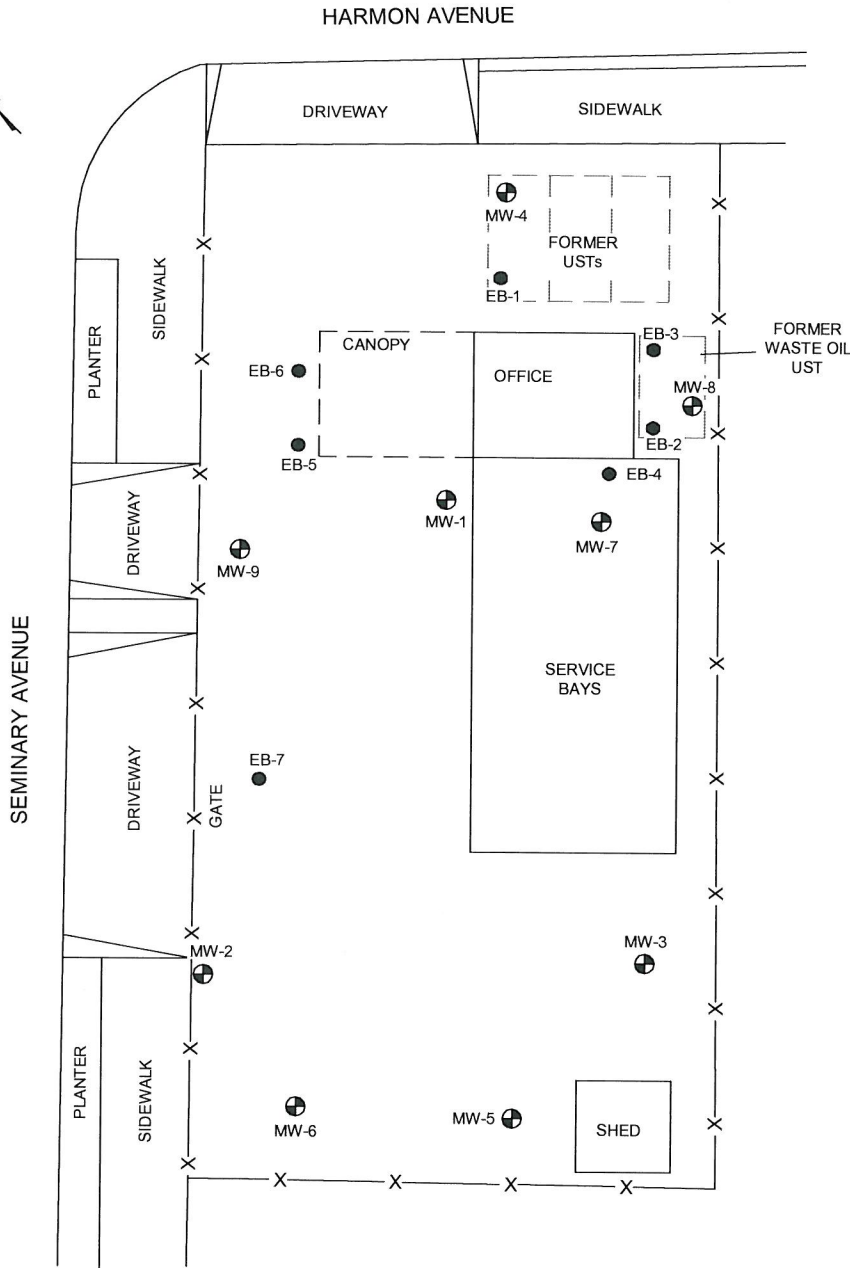
FORMER GRITIT AUTO
 170 SEMINARY AVENUE
 OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE

1

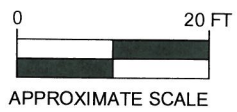
PROJECT NO.
 2090-1970-01



LEGEND

- ⊕ MW-1 GROUNDWATER MONITORING WELL LOCATION
- EB-1 EXPLORATORY BORING LOCATION

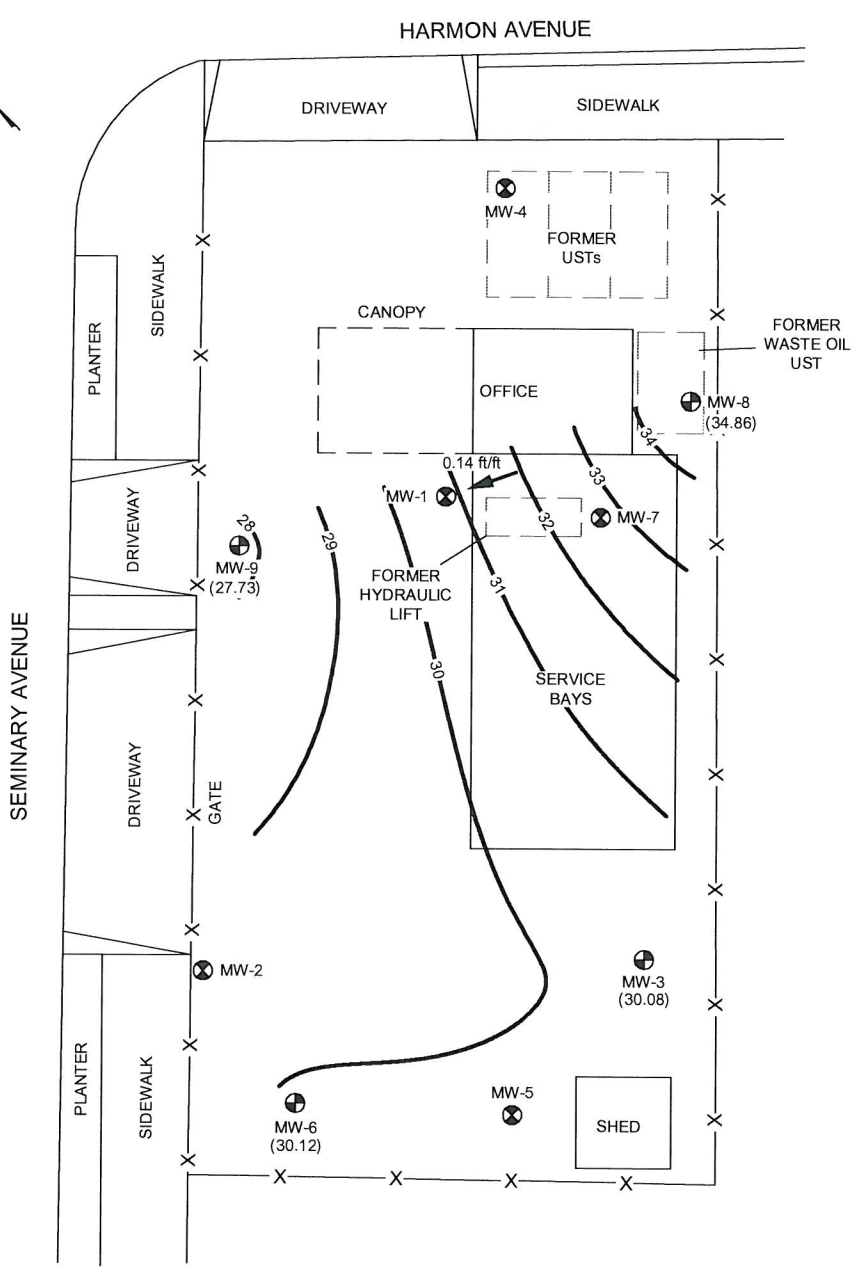
NOTE: LOCATIONS OF ALL WELLS & SITE FEATURES ARE APPROXIMATE



FORMER GRIMIT AUTO
 1970 SEMINARY AVENUE
 OAKLAND, CALIFORNIA

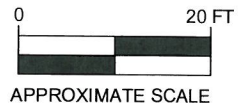
SITE PLAN

FIGURE
 2
 PROJECT NO.
 2090-1970-1



LEGEND

- MW-3 SHALLOW SCREENED MONITORING WELL LOCATION
 - MW-1 DEEP SCREENED MONITORING WELL LOCATION
 - (30.08) GROUND WATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
 - 30— WATER TABLE CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL
 - INFERRED DIRECTION OF GROUND WATER FLOW
- WELLS MEASURED: 7/12/11



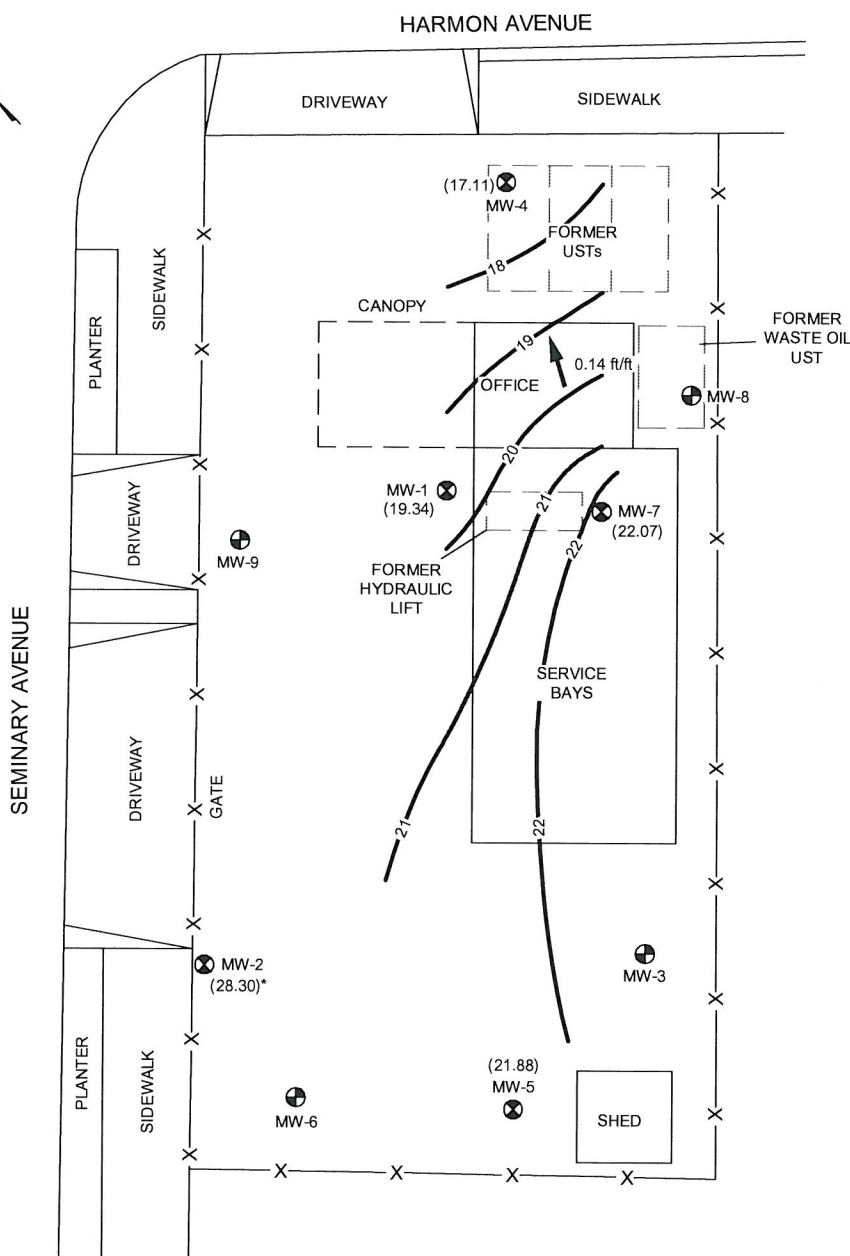
NOTE: LOCATIONS OF ALL WELLS & SITE FEATURES ARE APPROXIMATE

REV August 3, 2011 Gritm Quarterly Figures
JMP Gritm Auto Quarterly

STRATUS
ENVIRONMENTAL, INC.

FORMER GRITM AUTO
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA
GROUNDWATER ELEVATION CONTOUR MAP
SHALLOW SCREENED WELLS
3rd QUARTER 2011

FIGURE
3
PROJECT NO.
2090-1970-01



LEGEND

- MW-3 SHALLOW SCREENED MONITORING WELL LOCATION
- MW-1 DEEP SCREENED MONITORING WELL LOCATION

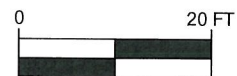
(19.34) GROUND WATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL

— 21 — WATER TABLE CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL

INFERRED DIRECTION OF GROUND WATER FLOW

WELLS MEASURED: 7/12/11

* NOT USED FOR CONTOURING



APPROXIMATE SCALE

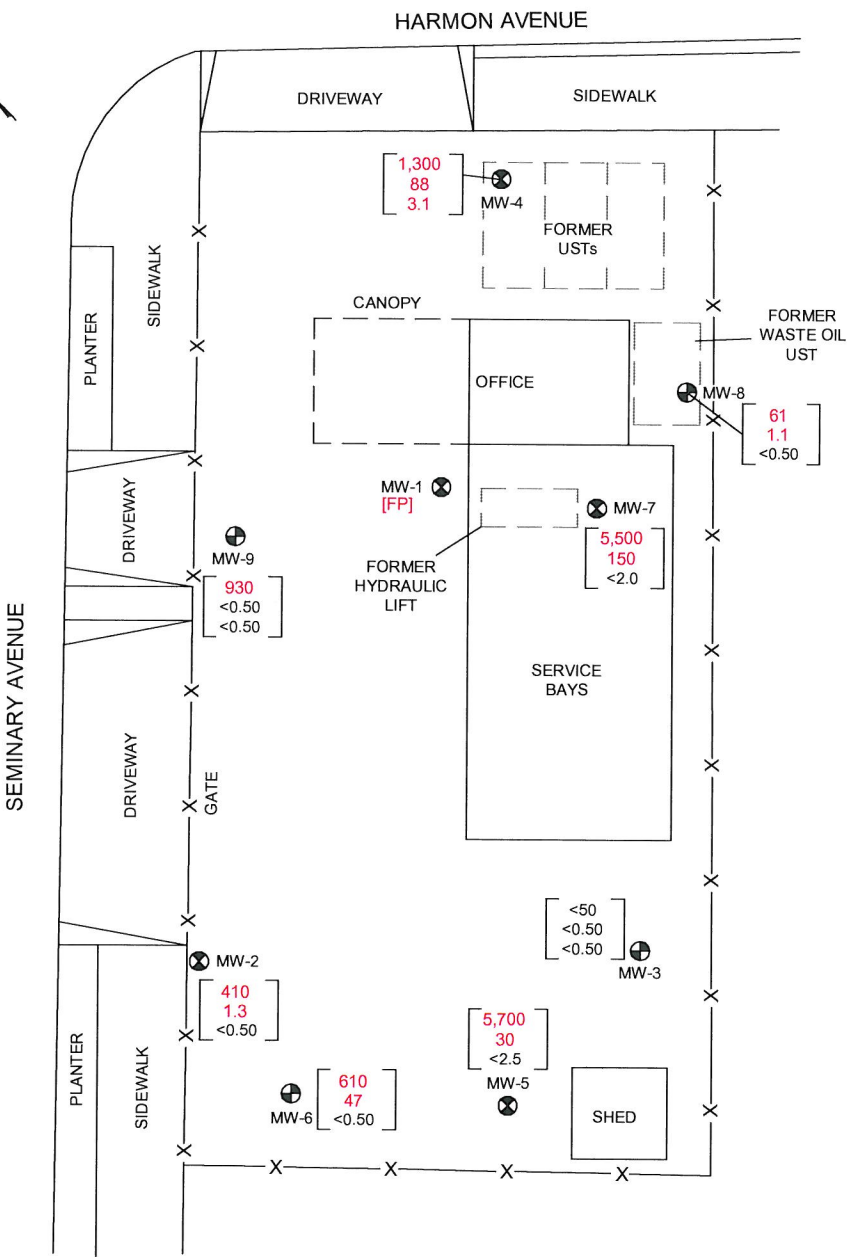
NOTE: LOCATIONS OF ALL WELLS & SITE FEATURES ARE APPROXIMATE

JMP Grimit AutoQuarterny August 13, 2011 REV Grimit Quarterly Figures

STRATUS
ENVIRONMENTAL, INC.

FORMER GRIMIT AUTO
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA
GROUNDWATER ELEVATION CONTOUR MAP
DEEP SCREENED WELLS
3rd QUARTER 2011

FIGURE
4
PROJECT NO.
2090-1970-01

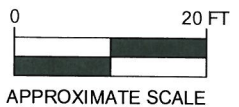


LEGEND

- MW-3 SHALLOW SCREENED MONITORING WELL LOCATION
- MW-1 DEEP SCREENED MONITORING WELL LOCATION

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

SAMPLES COLLECTED ON 7/12/11
 GRO ANALYZED BY EPA METHOD 8015B
 BENZENE & MTBE ANALYZED BY EPA METHOD 8260B
 [FP] = FREE PRODUCT



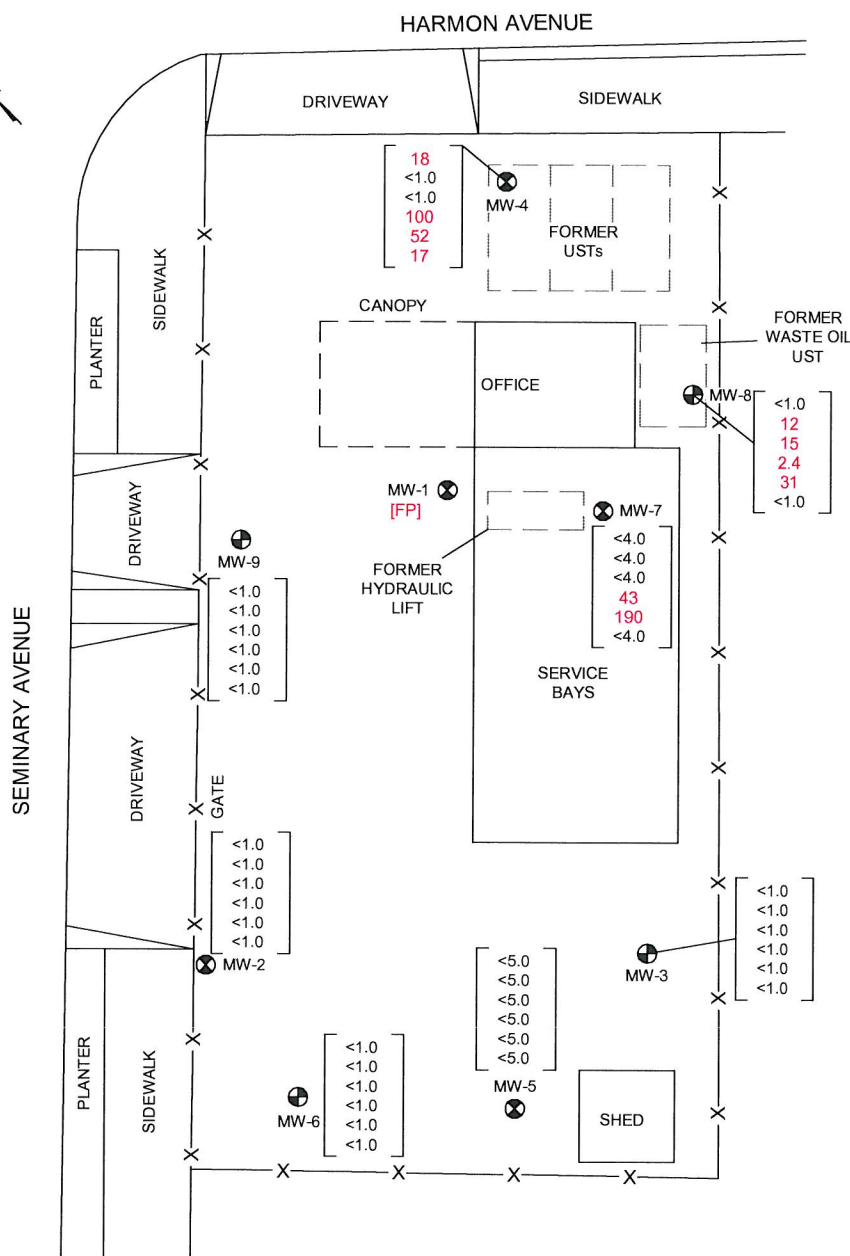
NOTE: LOCATIONS OF ALL WELLS & SITE FEATURES ARE APPROXIMATE

JMP August 3, 2011 REV Gritmit Quarterly Figures Gritmit AutoQuarterly



FORMER GRIMIT AUTO
 1970 SEMINARY AVENUE
 OAKLAND, CALIFORNIA
 PETROLEUM HYDROCARBON
 GROUNDWATER ANALYTICAL SUMMARY
 3rd QUARTER 2011

FIGURE
5
 PROJECT NO.
 2090-1970-01



LEGEND

- MW-3 SHALLOW SCREENED MONITORING WELL LOCATION
- MW-1 DEEP SCREENED MONITORING WELL LOCATION

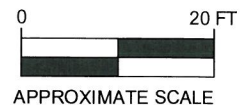
<1.0	1,2 DICHLOROENZENE (1,2 DCB) IN µg/L
<1.0	TETRACHLOROETHENE (PCE) IN µg/L
<1.0	TRICHLOROETHENE (TCE) IN µg/L
<1.0	VINYL CHLORIDE (VC) IN µg/L
<1.0	cis-1,2 DICHLOROETHENE (cis-1,2 DCE) IN µg/L
<1.0	1,2 DICHLOROETHENE (trans-1,2 DCE) IN µg/L

SAMPLES COLLECTED ON 7/12/11

1,2 DCB, PCE, TCE, VCL, cis-1,2 DCE, & trans-1,2 DCE ANALYZED BY EPA METHOD 8260B

[FP] = FREE PRODUCT

NOTE: LOCATIONS OF ALL WELLS & SITE FEATURES ARE APPROXIMATE



REV. August 3, 2011 Gmrit Quarterly Figures JMP Gmrit Auto Quarterly

STRATUS
ENVIRONMENTAL, INC.

FORMER GRIMIT AUTO
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA
HALOGENATED VOC GROUNDWATER
ANALYTICAL SUMMARY
3rd QUARTER 2011

FIGURE
6
PROJECT NO.
2090-1970-01

APPENDIX A
FIELD DATA SHEETS



Site Address 1970 Seminary Ave
 City Oakland
 Sampled by: Vince Zalutka
 Signature VZ

Site Number Grimit Auto
 Project Number 2090-1970-01
 Project PM Scott Bittinger
 DATE 7-12-11

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	0846	20.60	20.90	34.35	Prod	2	.5	N/A	N/A		X		Prod	N/A	MW-1	N/S	—
2	0907		11.12	34.85	23.73			11.87	12.00				Low	28.08	2	1247	2.90
3	0858		9.87	20.15	10.28			5.14	5.00				Low	15.62	3	1153	3.95
4	0854		19.38	34.55	15.17			7.59	7.50				Low	24.65	4	1309	2.99
5	0901		17.91	34.60	16.69			8.35	8.50				Low	23.25	5	1218	3.09
6	0904		9.32	18.30	8.98			4.49	4.00				Dry	9.97	6	1203	3.34
7	0914	Sheen	17.77	31.60	13.83			6.92	5.00				Dry	19.12	7	1258	2.83
8	0850		4.63	18.80	14.17			7.09	7.00					4.68	8	11.26	2.74
9	0910		11.98	19.80	7.82	2	.5	3.91	3.00		X		Dry	17.23	9	1321	2.55
																	1321
					ALL wells pulled 15min + prior to gauging												

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 VZ 7-12-11
 Conductivity 2
 DO 2



Site Address: 1970 Seminary Ave
 City: Oakland
 Sampled By: Vince Zalutka
 Signature: *vz*

Site Number: Grit Auto
 Project Number: 2090-1970-01
 Project: PM Scott Bittinger
 DATE: 7-12-11

Well ID MW-9					Well ID MW-7 Sheen				
Purge start time 0918			Odor <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		Purge start time 0924			Odor <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
Bail	Temp C	pH	cond	gallons	Bail	Temp C	pH	cond	gallons
time 0918	16.9	6.00	528	2	time 0924	16.0	6.30	534	2
time 0921	16.9	6.22	474	2	time 0934	16.0	6.35	533	3.5
time 0922	Dry @		3.0 gal		time 0938	Dry @		5 gal	
time 1321	16.8	6.75	471	3.0	time 1258	16.0	6.65	492	5.0
purge stop time 0922			ORP 118		purge stop time 0938			ORP 68	
Well ID MW-3					Well ID MW-6				
Purge start time 0941			Odor <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		Purge start time 0955			Odor <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
Bail	Temp C	pH	cond	gallons	Bail	Temp C	pH	cond	gallons
time 0941	15.3	6.50	471	2	time 0955	15.7	6.65	429	2
time 0947	15.3	6.50	495	2.5	time 0958	15.8	6.63	431	2.0
time 0953	Low @		5 gal		time 1000	Dry @		4.0 gal	
time 1153	15.5	6.54	465	5.0	time 1203	15.8	6.93	481	4.0
purge stop time 0953			ORP 62		purge stop time 1000			ORP 78	
Well ID MW-5					Well ID MW-2				
Purge start time 1003			Odor <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		Purge start time 1021			Odor <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
Bail	Temp C	pH	cond	gallons	Bail	Temp C	pH	cond	gallons
time 1003	15.5	6.45	511	2	time 1021	16.5	6.49	554	2
time 1010	15.5	6.55	513	4.5	time 1033	16.5	6.53	558	6.0
time 1017	Low @		8.5		time 1045	Low @		12.0	
time 1218	15.9	6.58	539	8.5	time 1247	16.5	6.65	549	12.0
purge stop time 1017			ORP 83		purge stop time 1045			ORP 81	
Well ID MW-4 Sheen					Well ID MW-8				
Purge start time 1049			Odor <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		Purge start time 1111			Odor <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
Bail	Temp C	pH	cond	gallons	Bail	Temp C	pH	cond	gallons
time 1049	16.6	6.54	477	2	time 1111	16.1	6.73	167	2
time 1055	16.8	6.51	473	3.50	time 1117	17.0	6.74	130	3.5
time 1105	Low @		7.50		time 1126	16.2	6.62	163	7.00
time 1209	16.7	6.64	479	7.50	time				
purge stop time 1105			ORP 42		purge stop time 1124			ORP 36	



Site Address 1970 Seminary Site Number GRIM 1T
 City OAKLAND Project Number _____
 Sampled By: _____ Project PM _____
 Signature VJ DATE 8-2-11

Product Bail

Well ID					Well ID						
Purge start time		<u>DTP DTW</u>		Odor	<input checked="" type="radio"/> Y	<input type="radio"/> N	Purge start time		Odor	<input type="radio"/> Y	<input type="radio"/> N
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons		
time	<u>21.70</u>	<u>21.95</u>		<u>3gal</u>	time						
time				<u>purged</u>	time						
time					time						
time					time						
purge stop time			ORP		purge stop time			ORP			
Well ID					Well ID						
Purge start time				Odor	<input type="radio"/> Y	<input type="radio"/> N	Purge start time		Odor	<input type="radio"/> Y	<input type="radio"/> N
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons		
time					time						
time					time						
time					time						
time					time						
purge stop time			ORP		purge stop time			ORP			
Well ID					Well ID						
Purge start time				Odor	<input type="radio"/> Y	<input type="radio"/> N	Purge start time		Odor	<input type="radio"/> Y	<input type="radio"/> N
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons		
time					time						
time					time						
time					time						
time					time						
purge stop time			ORP		purge stop time			ORP			
Well ID					Well ID						
Purge start time				Odor	<input type="radio"/> Y	<input type="radio"/> N	Purge start time		Odor	<input type="radio"/> Y	<input type="radio"/> N
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons		
time					time						
time					time						
time					time						
time					time						
purge stop time			ORP		purge stop time			ORP			

8-8-11 Grant Auto Oakland
CHWL

1000 Tried To Bail Product AT site
But Broken Down Truck over well
Not Able To Do it AT This Time

1015 ~~at site~~

8-18-11 Grunit Auto Oakland
CALL

1015 onsite
MM-1

18.74	DTP
18.83	DTW
<u> </u>	
.09	

Bail well 1 GAL M.X water/Product
Put in Down side

1040 onsite

8-23-11
CHILL

Grumet Auto Oakland

0820 onsite check MW-1 LPH

	DTP	DTW
MW 1	18.90	19.00

Bail 1 GAL Mix Product/water

(23) 9611 Grinit Auto Okland
PHIL

008 onsite check MW-1

	DTP	DTW
MW-1	19.10	19.23

Bail MW-1 1 GAL M.Y Product/Water

(27) 9-21-11 Gunit Auto Oakland
CHM

onsite check MW-1

DTP DTW
MW-1

Intended to
Install Asorbant socks in well To remove Product

0913 Major Police AT Around site NO
STOP

(27) 9-21-11 Gunit Auto Oakland
CHML

ORIGINAL

onsite check MW-1

MW-1 DTP DTW

Install Asorbent socks in well To remove Product

0913 Major Police AT Around site No
stop

9-27-11
CHILL

Grimit Auto Outland

28

0908 onsite check MW-1

	DYP	DYW
MW-1	19.30	19.43

Install Soukine to Remove Product

APPENDIX B

SAMPLING AND ANALYSES PROCEDURES

SAMPLING AND ANALYSIS PROCEDURES

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

Ground Water and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

A water/hydrocarbon interface probe is used to assess the liquid-phase petroleum hydrocarbon (LPH) thickness, if present, and a water level indicator is used to measure the ground water depth in monitoring wells that do not contain LPH. Depth to ground water or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typically 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 according 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, nonconformants, defective material, services, and/or equipment, can be promptly identified and corrected.

General Sample Collection and Handling Procedures

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

Soil and Water Sample Labeling and Preservation

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

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

Sample Identification and Chain-of-Custody Procedures

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

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

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

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

Equipment Cleaning

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

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

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

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

Internal Quality Assurance Checks

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

- Laboratory Quality Assurance

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

- Field Quality Assurance

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

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

Types of Quality Control Checks

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

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

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

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

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

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

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

APPENDIX C

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION



Alpha Analytical, Inc.

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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 07/14/11

Job: Grimit Auto Repair

Oil and Grease, HEM
EPA Method 1664A

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: MW-2 Lab ID : STR11071463-01A Oil & Grease, HEM Date Sampled 07/12/11 12:47	ND	5,000 µg/L	07/21/11	07/21/11
Client ID: MW-3 Lab ID : STR11071463-02A Oil & Grease, HEM Date Sampled 07/12/11 11:53	ND	5,000 µg/L	07/21/11	07/21/11
Client ID: MW-4 Lab ID : STR11071463-03A Oil & Grease, HEM Date Sampled 07/12/11 13:09	ND	5,000 µg/L	07/21/11	07/21/11
Client ID: MW-5 Lab ID : STR11071463-04A Oil & Grease, HEM Date Sampled 07/12/11 12:18	ND	5,000 µg/L	07/21/11	07/21/11
Client ID: MW-6 Lab ID : STR11071463-05A Oil & Grease, HEM Date Sampled 07/12/11 12:03	ND	5,000 µg/L	07/21/11	07/21/11
Client ID: MW-7 Lab ID : STR11071463-06A Oil & Grease, HEM Date Sampled 07/12/11 12:58	ND	5,000 µg/L	07/21/11	07/21/11
Client ID: MW-8 Lab ID : STR11071463-07A Oil & Grease, HEM Date Sampled 07/12/11 11:26	ND	5,000 µg/L	07/21/11	07/21/11
Client ID: MW-9 Lab ID : STR11071463-08A Oil & Grease, HEM Date Sampled 07/12/11 13:21	ND	5,000 µg/L	07/21/11	07/21/11



Alpha Analytical, Inc.

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HEM = Hexane Extractable Material

ND = Not Detected

Reported in micrograms per Liter, per client request.

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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7/22/11

7/22/11

Report Date



Alpha Analytical, Inc.

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

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 07/14/11

Job: Gritmit Auto Repair

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

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID : MW-2 Lab ID : STR11071463-01A Date Sampled 07/12/11 12:47	TPH-P (GRO) 410	50 µg/L	07/15/11	07/15/11
Client ID : MW-3 Lab ID : STR11071463-02A Date Sampled 07/12/11 11:53	TPH-P (GRO) ND	50 µg/L	07/15/11	07/15/11
Client ID : MW-4 Lab ID : STR11071463-03A Date Sampled 07/12/11 13:09	TPH-P (GRO) 1,300	100 µg/L	07/15/11	07/15/11
Client ID : MW-5 Lab ID : STR11071463-04A Date Sampled 07/12/11 12:18	TPH-P (GRO) 5,700	500 µg/L	07/15/11	07/15/11
Client ID : MW-6 Lab ID : STR11071463-05A Date Sampled 07/12/11 12:03	TPH-P (GRO) 610	100 µg/L	07/15/11	07/15/11
Client ID : MW-7 Lab ID : STR11071463-06A Date Sampled 07/12/11 12:58	TPH-P (GRO) 5,500	400 µg/L	07/15/11	07/15/11
Client ID : MW-8 Lab ID : STR11071463-07A Date Sampled 07/12/11 11:26	TPH-P (GRO) 61	50 µg/L	07/15/11	07/15/11
Client ID : MW-9 Lab ID : STR11071463-08A Date Sampled 07/12/11 13:21	TPH-P (GRO) 930	100 µg/L	07/15/11	07/15/11

Gasoline Range Organics (GRO) C4-C13

ND = Not Detected

Reported in micrograms per Liter, per client request.

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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7/21/11

Report Date



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ANALYTICAL REPORT

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

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

Alpha Analytical Number: STR11071463-01A
Client I.D. Number: MW-2

Sampled: 07/12/11 12:47
Received: 07/14/11
Extracted: 07/15/11
Analyzed: 07/15/11

Volatiles Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Chloromethane	ND	2.0 µg/L	26 1,1,2-Trichloroethane	ND	1.0 µg/L
2 Vinyl chloride	ND	1.0 µg/L	27 Toluene	ND	0.50 µg/L
3 Chloroethane	ND	1.0 µg/L	28 Dibromochloromethane	ND	1.0 µg/L
4 Bromomethane	ND	2.0 µg/L	29 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Trichlorofluoromethane	ND	1.0 µg/L	30 Tetrachloroethene	ND	1.0 µg/L
6 1,1-Dichloroethene	ND	1.0 µg/L	31 Chlorobenzene	ND	1.0 µg/L
7 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	32 Ethylbenzene	0.55	0.50 µg/L
8 Dichloromethane	ND	2.0 µg/L	33 m,p-Xylene	ND	0.50 µg/L
9 trans-1,2-Dichloroethene	ND	1.0 µg/L	34 Bromoform	ND	1.0 µg/L
10 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	35 o-Xylene	ND	0.50 µg/L
11 1,1-Dichloroethane	ND	1.0 µg/L	36 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
12 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	37 1,3-Dichlorobenzene	ND	1.0 µg/L
13 cis-1,2-Dichloroethene	ND	1.0 µg/L	38 1,4-Dichlorobenzene	ND	1.0 µg/L
14 Chloroform	ND	1.0 µg/L	39 1,2-Dichlorobenzene	ND	1.0 µg/L
15 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L			
16 1,2-Dichloroethane	ND	1.0 µg/L			
17 1,1,1-Trichloroethane	ND	1.0 µg/L			
18 Carbon tetrachloride	ND	1.0 µg/L			
19 Benzene	1.3	0.50 µg/L			
20 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L			
21 1,2-Dichloropropane	ND	1.0 µg/L			
22 Trichloroethene	ND	1.0 µg/L			
23 Bromodichloromethane	ND	1.0 µg/L			
24 cis-1,3-Dichloropropene	ND	1.0 µg/L			
25 trans-1,3-Dichloropropene	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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

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

Alpha Analytical Number: STR11071463-02A
Client I.D. Number: MW-3

Sampled: 07/12/11 11:53
Received: 07/14/11
Extracted: 07/15/11
Analyzed: 07/15/11

Volatile Organics by GC/MS EPA Method SW8260B

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

ND = Not Detected

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

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

ANALYTICAL REPORT

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

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

Alpha Analytical Number: STR11071463-03A
Client I.D. Number: MW-4

Sampled: 07/12/11 13:09
Received: 07/14/11
Extracted: 07/15/11
Analyzed: 07/15/11

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Chloromethane	ND	4.0 µg/L	26 1,1,2-Trichloroethane	ND	1.0 µg/L
2 Vinyl chloride	100	1.0 µg/L	27 Toluene	5.8	0.50 µg/L
3 Chloroethane	ND	1.0 µg/L	28 Dibromochloromethane	ND	1.0 µg/L
4 Bromomethane	ND	4.0 µg/L	29 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Trichlorofluoromethane	ND	1.0 µg/L	30 Tetrachloroethene	ND	1.0 µg/L
6 1,1-Dichloroethene	ND	1.0 µg/L	31 Chlorobenzene	ND	1.0 µg/L
7 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	32 Ethylbenzene	18	0.50 µg/L
8 Dichloromethane	ND	4.0 µg/L	33 m,p-Xylene	3.6	0.50 µg/L
9 trans-1,2-Dichloroethene	17	1.0 µg/L	34 Bromoform	ND	1.0 µg/L
10 Methyl tert-butyl ether (MTBE)	3.1	0.50 µg/L	35 o-Xylene	0.84	0.50 µg/L
11 1,1-Dichloroethane	ND	1.0 µg/L	36 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
12 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	37 1,3-Dichlorobenzene	8.7	1.0 µg/L
13 cis-1,2-Dichloroethene	52	1.0 µg/L	38 1,4-Dichlorobenzene	6.1	1.0 µg/L
14 Chloroform	ND	1.0 µg/L	39 1,2-Dichlorobenzene	18	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	88	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			

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

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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ANALYTICAL REPORT

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

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

Alpha Analytical Number: STR11071463-04A
Client I.D. Number: MW-5

Sampled: 07/12/11 12:18
Received: 07/14/11
Extracted: 07/15/11
Analyzed: 07/15/11

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Chloromethane	ND	20 µg/L	26 1,1,2-Trichloroethane	ND	5.0 µg/L
2 Vinyl chloride	ND	5.0 µg/L	27 Toluene	11	2.5 µg/L
3 Chloroethane	ND	5.0 µg/L	28 Dibromochloromethane	ND	5.0 µg/L
4 Bromomethane	ND	20 µg/L	29 1,2-Dibromoethane (EDB)	ND	10 µg/L
5 Trichlorofluoromethane	ND	5.0 µg/L	30 Tetrachloroethene	ND	5.0 µg/L
6 1,1-Dichloroethene	ND	5.0 µg/L	31 Chlorobenzene	ND	5.0 µg/L
7 Tertiary Butyl Alcohol (TBA)	ND	50 µg/L	32 Ethylbenzene	190	2.5 µg/L
8 Dichloromethane	ND	20 µg/L	33 m,p-Xylene	89	2.5 µg/L
9 trans-1,2-Dichloroethene	ND	5.0 µg/L	34 Bromoform	ND	5.0 µg/L
10 Methyl tert-butyl ether (MTBE)	ND	2.5 µg/L	35 o-Xylene	5.1	2.5 µg/L
11 1,1-Dichloroethane	ND	5.0 µg/L	36 1,1,2,2-Tetrachloroethane	ND	5.0 µg/L
12 Di-isopropyl Ether (DIPE)	ND	5.0 µg/L	37 1,3-Dichlorobenzene	ND	5.0 µg/L
13 cis-1,2-Dichloroethene	ND	5.0 µg/L	38 1,4-Dichlorobenzene	ND	5.0 µg/L
14 Chloroform	ND	5.0 µg/L	39 1,2-Dichlorobenzene	ND	5.0 µg/L
15 Ethyl Tertiary Butyl Ether (ETBE)	ND	5.0 µg/L			
16 1,2-Dichloroethane	ND	5.0 µg/L			
17 1,1,1-Trichloroethane	ND	5.0 µg/L			
18 Carbon tetrachloride	ND	5.0 µg/L			
19 Benzene	30	2.5 µg/L			
20 Tertiary Amyl Methyl Ether (TAME)	ND	5.0 µg/L			
21 1,2-Dichloropropane	ND	5.0 µg/L			
22 Trichloroethene	ND	5.0 µg/L			
23 Bromodichloromethane	ND	5.0 µg/L			
24 cis-1,3-Dichloropropene	ND	5.0 µg/L			
25 trans-1,3-Dichloropropene	ND	5.0 µg/L			

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

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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7/21/11

Report Date

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Alpha Analytical, Inc.

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ANALYTICAL REPORT

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

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

Alpha Analytical Number: STR11071463-05A
Client I.D. Number: MW-6

Sampled: 07/12/11 12:03
Received: 07/14/11
Extracted: 07/15/11
Analyzed: 07/15/11

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Chloromethane	ND	4.0 µg/L	26 1,1,2-Trichloroethane	ND	1.0 µg/L
2 Vinyl chloride	ND	1.0 µg/L	27 Toluene	2.5	0.50 µg/L
3 Chloroethane	ND	1.0 µg/L	28 Dibromochloromethane	ND	1.0 µg/L
4 Bromomethane	ND	4.0 µg/L	29 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Trichlorofluoromethane	ND	1.0 µg/L	30 Tetrachloroethene	ND	1.0 µg/L
6 1,1-Dichloroethene	ND	1.0 µg/L	31 Chlorobenzene	ND	1.0 µg/L
7 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	32 Ethylbenzene	34	0.50 µg/L
8 Dichloromethane	ND	4.0 µg/L	33 m,p-Xylene	27	0.50 µg/L
9 trans-1,2-Dichloroethene	ND	1.0 µg/L	34 Bromoform	ND	1.0 µg/L
10 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	35 o-Xylene	2.1	0.50 µg/L
11 1,1-Dichloroethane	ND	1.0 µg/L	36 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
12 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	37 1,3-Dichlorobenzene	ND	1.0 µg/L
13 cis-1,2-Dichloroethene	ND	1.0 µg/L	38 1,4-Dichlorobenzene	ND	1.0 µg/L
14 Chloroform	ND	1.0 µg/L	39 1,2-Dichlorobenzene	ND	1.0 µg/L
15 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L			
16 1,2-Dichloroethane	ND	1.0 µg/L			
17 1,1,1-Trichloroethane	ND	1.0 µg/L			
18 Carbon tetrachloride	ND	1.0 µg/L			
19 Benzene	47	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			

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

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

7/21/11

Report Date

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ANALYTICAL REPORT

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

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

Alpha Analytical Number: STR11071463-06A
Client I.D. Number: MW-7

Sampled: 07/12/11 12:58
Received: 07/14/11
Extracted: 07/15/11
Analyzed: 07/15/11

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Chloromethane	ND	16 µg/L	26 1,1,2-Trichloroethane	ND	4.0 µg/L
2 Vinyl chloride	43	4.0 µg/L	27 Toluene	45	2.0 µg/L
3 Chloroethane	ND	4.0 µg/L	28 Dibromochloromethane	ND	4.0 µg/L
4 Bromomethane	ND	16 µg/L	29 1,2-Dibromoethane (EDB)	ND	8.0 µg/L
5 Trichlorofluoromethane	ND	4.0 µg/L	30 Tetrachloroethene	ND	4.0 µg/L
6 1,1-Dichloroethene	ND	4.0 µg/L	31 Chlorobenzene	ND	4.0 µg/L
7 Tertiary Butyl Alcohol (TBA)	ND	40 µg/L	32 Ethylbenzene	7.9	2.0 µg/L
8 Dichloromethane	ND	16 µg/L	33 m,p-Xylene	45	2.0 µg/L
9 trans-1,2-Dichloroethene	ND	4.0 µg/L	34 Bromoform	ND	4.0 µg/L
10 Methyl tert-butyl ether (MTBE)	ND	2.0 µg/L	35 o-Xylene	6.9	2.0 µg/L
11 1,1-Dichloroethane	ND	4.0 µg/L	36 1,1,2,2-Tetrachloroethane	ND	4.0 µg/L
12 Di-isopropyl Ether (DIPE)	ND	4.0 µg/L	37 1,3-Dichlorobenzene	ND	4.0 µg/L
13 cis-1,2-Dichloroethene	190	4.0 µg/L	38 1,4-Dichlorobenzene	ND	4.0 µg/L
14 Chloroform	ND	4.0 µg/L	39 1,2-Dichlorobenzene	ND	4.0 µg/L
15 Ethyl Tertiary Butyl Ether (ETBE)	ND	4.0 µg/L			
16 1,2-Dichloroethane	ND	4.0 µg/L			
17 1,1,1-Trichloroethane	ND	4.0 µg/L			
18 Carbon tetrachloride	ND	4.0 µg/L			
19 Benzene	150	2.0 µg/L			
20 Tertiary Amyl Methyl Ether (TAME)	ND	4.0 µg/L			
21 1,2-Dichloropropane	ND	4.0 µg/L			
22 Trichloroethene	ND	4.0 µg/L			
23 Bromodichloromethane	ND	4.0 µg/L			
24 cis-1,3-Dichloropropene	ND	4.0 µg/L			
25 trans-1,3-Dichloropropene	ND	4.0 µg/L			

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

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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

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

7/21/11

Report Date

Page 1 of 1



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: Gritmit Auto Repair

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

Alpha Analytical Number: STR11071463-07A
Client I.D. Number: MW-8

Sampled: 07/12/11 11:26
Received: 07/14/11
Extracted: 07/15/11
Analyzed: 07/15/11

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Chloromethane	ND	2.0 µg/L	26 1,1,2-Trichloroethane	ND	1.0 µg/L
2 Vinyl chloride	2.4	1.0 µg/L	27 Toluene	ND	0.50 µg/L
3 Chloroethane	ND	1.0 µg/L	28 Dibromochloromethane	ND	1.0 µg/L
4 Bromomethane	ND	2.0 µg/L	29 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Trichlorofluoromethane	ND	1.0 µg/L	30 Tetrachloroethene	12	1.0 µg/L
6 1,1-Dichloroethene	ND	1.0 µg/L	31 Chlorobenzene	ND	1.0 µg/L
7 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	32 Ethylbenzene	ND	0.50 µg/L
8 Dichloromethane	ND	2.0 µg/L	33 m,p-Xylene	ND	0.50 µg/L
9 trans-1,2-Dichloroethene	ND	1.0 µg/L	34 Bromoform	ND	1.0 µg/L
10 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	35 o-Xylene	ND	0.50 µg/L
11 1,1-Dichloroethane	ND	1.0 µg/L	36 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
12 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	37 1,3-Dichlorobenzene	ND	1.0 µg/L
13 cis-1,2-Dichloroethene	31	1.0 µg/L	38 1,4-Dichlorobenzene	ND	1.0 µg/L
14 Chloroform	ND	1.0 µg/L	39 1,2-Dichlorobenzene	ND	1.0 µg/L
15 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L			
16 1,2-Dichloroethane	ND	1.0 µg/L			
17 1,1,1-Trichloroethane	ND	1.0 µg/L			
18 Carbon tetrachloride	ND	1.0 µg/L			
19 Benzene	1.1	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	15	1.0 µg/L			
23 Bromodichloromethane	ND	1.0 µg/L			
24 cis-1,3-Dichloropropene	ND	1.0 µg/L			
25 trans-1,3-Dichloropropene	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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7/21/11

Report Date

Page 1 of 1



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: Grit Auto Repair

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

Alpha Analytical Number: STR11071463-08A
Client I.D. Number: MW-9

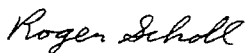

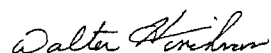
Sampled: 07/12/11 13:21
Received: 07/14/11
Extracted: 07/15/11
Analyzed: 07/15/11

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Chloromethane	ND	4.0 µg/L	26 1,1,2-Trichloroethane	ND	1.0 µg/L
2 Vinyl chloride	ND	1.0 µg/L	27 Toluene	ND	0.50 µg/L
3 Chloroethane	ND	1.0 µg/L	28 Dibromochloromethane	ND	1.0 µg/L
4 Bromomethane	ND	4.0 µg/L	29 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Trichlorofluoromethane	ND	1.0 µg/L	30 Tetrachloroethene	ND	1.0 µg/L
6 1,1-Dichloroethene	ND	1.0 µg/L	31 Chlorobenzene	ND	1.0 µg/L
7 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	32 Ethylbenzene	2.6	0.50 µg/L
8 Dichloromethane	ND	4.0 µg/L	33 m,p-Xylene	5.1	0.50 µg/L
9 trans-1,2-Dichloroethene	ND	1.0 µg/L	34 Bromoform	ND	1.0 µg/L
10 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	35 o-Xylene	ND	0.50 µg/L
11 1,1-Dichloroethane	ND	1.0 µg/L	36 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
12 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	37 1,3-Dichlorobenzene	ND	1.0 µg/L
13 cis-1,2-Dichloroethene	ND	1.0 µg/L	38 1,4-Dichlorobenzene	ND	1.0 µg/L
14 Chloroform	ND	1.0 µg/L	39 1,2-Dichlorobenzene	ND	1.0 µg/L
15 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L			
16 1,2-Dichloroethane	ND	1.0 µg/L			
17 1,1,1-Trichloroethane	ND	1.0 µg/L			
18 Carbon tetrachloride	ND	1.0 µg/L			
19 Benzene	ND	0.50 µg/L			
20 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L			
21 1,2-Dichloropropane	ND	1.0 µg/L			
22 Trichloroethene	ND	1.0 µg/L			
23 Bromodichloromethane	ND	1.0 µg/L			
24 cis-1,3-Dichloropropene	ND	1.0 µg/L			
25 trans-1,3-Dichloropropene	ND	1.0 µg/L			


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

ND = Not Detected




 Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
 Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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 7/21/11

Report Date

Page 1 of 1



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: STR11071463

Job: Grit Auto Repair

Alpha's Sample ID	Client's Sample ID	Matrix	pH
11071463-01A	MW-2	Aqueous	2
11071463-02A	MW-3	Aqueous	2
11071463-03A	MW-4	Aqueous	2
11071463-04A	MW-5	Aqueous	2
11071463-05A	MW-6	Aqueous	2
11071463-06A	MW-7	Aqueous	2
11071463-07A	MW-8	Aqueous	2
11071463-08A	MW-9	Aqueous	4



Alpha Analytical, Inc.

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

Date:
22-Jul-11

QC Summary Report

Work Order:
11071463

Method Blank

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

File ID:

Batch ID: **W07210G**

Analysis Date: **07/21/2011 00:00**

Sample ID: **MBLK-W07210G**

Units : **µg/L**

Run ID: **WETLAB_110721C**

Prep Date: **07/21/2011 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: **W07210G**

Analysis Date: **07/21/2011 00:00**

Sample ID: **LCS-W07210G**

Units : **µg/L**

Run ID: **WETLAB_110721C**

Prep Date: **07/21/2011 00:00**

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LCL(ME)

UCL(ME)

RPDRefVal

%RPD(Limit)

Qual

Oil & Grease, HEM

79600

5000

80000

100

78

114

Sample Matrix Spike

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

File ID:

Batch ID: **W07210G**

Analysis Date: **07/21/2011 00:00**

Sample ID: **11071413-01AMS**

Units : **µg/L**

Run ID: **WETLAB_110721C**

Prep Date: **07/21/2011 00:00**

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LCL(ME)

UCL(ME)

RPDRefVal

%RPD(Limit)

Qual

Oil & Grease, HEM

79600

5000

80000

0

100

78

114

Comments:

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

HEM = Hexane Extractable Material

Reported in micrograms per Liter, per client request.



Alpha Analytical, Inc.

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

Date:
22-Jul-11

QC Summary Report

Work Order:
11071463

Method Blank

File ID: C:\HPCHEM\MS10\DATA\110715\11071505.D	Type: MBLK	Test Code: EPA Method SW8015B/C	Batch ID: MS10W0715B	Analysis Date: 07/15/2011 11:18						
Sample ID: MBLK MS10W0715B	Units: µg/L	Run ID: MSD_10_110715A	Prep Date: 07/15/2011 11:18							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.16		10		92	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	9.41		10		94	70	130			

Laboratory Control Spike

File ID: C:\HPCHEM\MS10\DATA\110715\11071504.D	Type: LCS	Test Code: EPA Method SW8015B/C	Batch ID: MS10W0715B	Analysis Date: 07/15/2011 10:56						
Sample ID: GLCS MS10W0715B	Units: µg/L	Run ID: MSD_10_110715A	Prep Date: 07/15/2011 10:56							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	364	50	400		91	70	130			
Surr: 1,2-Dichloroethane-d4	8.98		10		90	70	130			
Surr: Toluene-d8	10.5		10		105	70	130			
Surr: 4-Bromofluorobenzene	10.4		10		104	70	130			

Sample Matrix Spike

File ID: C:\HPCHEM\MS10\DATA\110715\11071508.D	Type: MS	Test Code: EPA Method SW8015B/C	Batch ID: MS10W0715B	Analysis Date: 07/15/2011 12:41						
Sample ID: 11071345-01AGS	Units: µg/L	Run ID: MSD_10_110715A	Prep Date: 07/15/2011 12:41							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2110	250	2000	199.7	95	51	144			
Surr: 1,2-Dichloroethane-d4	37.1		50		74	70	130			
Surr: Toluene-d8	52.4		50		105	70	130			
Surr: 4-Bromofluorobenzene	47.4		50		95	70	130			

Sample Matrix Spike Duplicate

File ID: C:\HPCHEM\MS10\DATA\110715\11071509.D	Type: MSD	Test Code: EPA Method SW8015B/C	Batch ID: MS10W0715B	Analysis Date: 07/15/2011 13:02						
Sample ID: 11071345-01AGSD	Units: µg/L	Run ID: MSD_10_110715A	Prep Date: 07/15/2011 13:02							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1950	250	2000	199.7	87	51	144	2106	7.9(29)	
Surr: 1,2-Dichloroethane-d4	37.6		50		75	70	130			
Surr: Toluene-d8	51.1		50		102	70	130			
Surr: 4-Bromofluorobenzene	54.5		50		109	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:
22-Jul-11

QC Summary Report

Work Order:
11071463

Method Blank

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

File ID: **C:\HPCHEM\MS10\DATA\110715\11071505.D**

Batch ID: **MS10W0715A**

Analysis Date: **07/15/2011 11:18**

Sample ID: **MBLK MS10W0715A**

Units: **µg/L**

Run ID: **MSD_10_110715A**

Prep Date: **07/15/2011 11:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Tertiary Butyl Alcohol (TBA)	ND	10								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND	1								
Di-isopropyl Ether (DIPE)	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	0.5								
Dibromochloromethane	ND	1								
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	9.16		10		92	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	9.41		10		94	70	130			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS10\DATA\110715\11071503.D**

Batch ID: **MS10W0715A**

Analysis Date: **07/15/2011 10:34**

Sample ID: **LCS MS10W0715A**

Units: **µg/L**

Run ID: **MSD_10_110715A**

Prep Date: **07/15/2011 10:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.1	1	10		101	80	120			
Methyl tert-butyl ether (MTBE)	8.79	0.5	10		88	65	140			
Benzene	9.85	0.5	10		99	70	130			
Trichloroethene	10.2	1	10		102	65	144			
Toluene	10.7	0.5	10		107	80	120			
Chlorobenzene	11.2	1	10		112	70	130			
Ethylbenzene	11.2	0.5	10		112	80	120			
m,p-Xylene	11.4	0.5	10		114	70	130			
o-Xylene	11.6	0.5	10		116	70	130			
Surr: 1,2-Dichloroethane-d4	9.22		10		92	70	130			
Surr: Toluene-d8	11		10		110	70	130			
Surr: 4-Bromofluorobenzene	9.51		10		95	70	130			



Alpha Analytical, Inc.

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

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

Date:
22-Jul-11

QC Summary Report

Work Order:
11071463

Sample Matrix Spike

File ID: C:\HPCHEM\MS10\DATA\110715\11071506.D

Type: MS

Test Code: EPA Method SW8260B

Sample ID: 11071345-01AMS

Units: µg/L

Batch ID: MS10W0715A

Analysis Date: 07/15/2011 11:59

Run ID: MSD_10_110715A

Prep Date: 07/15/2011 11:59

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	33.4	2.5	50	0	67	64	130			
Methyl tert-butyl ether (MTBE)	117	1.3	50	115	4.5	47	150			M2
Benzene	32.5	1.3	50	0	65	59	138			
Trichloroethene	33.1	2.5	50	0	66	65	144			
Toluene	39.2	1.3	50	0	78	68	130			
Chlorobenzene	40.3	2.5	50	0	81	70	130			
Ethylbenzene	41	1.3	50	0	82	68	130			
m,p-Xylene	42.2	1.3	50	0	84	68	131			
o-Xylene	42.7	1.3	50	0	85	70	130			
Surr: 1,2-Dichloroethane-d4	24.6		50		49	70	130			S54
Surr: Toluene-d8	58.4		50		117	70	130			
Surr: 4-Bromofluorobenzene	50.1		50		100	70	130			

Sample Matrix Spike Duplicate

File ID: C:\HPCHEM\MS10\DATA\110715\11071507.D

Type: MSD

Test Code: EPA Method SW8260B

Sample ID: 11071345-01AMSD

Units: µg/L

Batch ID: MS10W0715A

Analysis Date: 07/15/2011 12:20

Run ID: MSD_10_110715A

Prep Date: 07/15/2011 12:20

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	45.7	2.5	50	0	91	64	130	33.36	31.2(21)	R5
Methyl tert-butyl ether (MTBE)	190	1.3	50	115	150	47	150	117.2	47.4(40)	R58
Benzene	44.7	1.3	50	0	89	59	138	32.45	31.7(21)	R5
Trichloroethene	46.3	2.5	50	0	93	65	144	33.07	33.4(20)	R5
Toluene	46	1.3	50	0	92	68	130	39.18	16.0(20)	
Chlorobenzene	48.4	2.5	50	0	97	70	130	40.25	18.4(20)	
Ethylbenzene	47.4	1.3	50	0	95	68	130	40.97	14.4(20)	
m,p-Xylene	48.4	1.3	50	0	97	68	131	42.19	13.6(20)	
o-Xylene	49.7	1.3	50	0	99	70	130	42.68	15.2(20)	
Surr: 1,2-Dichloroethane-d4	37.7		50		75	70	130			
Surr: Toluene-d8	52.6		50		105	70	130			
Surr: 4-Bromofluorobenzene	47.7		50		95	70	130			

Comments:

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

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

R58 = MS/MSD RPD exceeded the laboratory control limit.

S54 = Surrogate recovery was below laboratory acceptance limits.

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA AMENDED Page 1 of 1

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

WorkOrder : STR11071463
Report Due By : 5:00 PM On : 21-Jul-11

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

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

EDD Required : Yes

Sampled by : Vince Z.

PO :
 Client's COC # : 54999 Job : Grit Auto Repair

Cooler Temp Samples Received Date Printed
 0 °C 14-Jul-11 21-Jul-11

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

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests			Sample Remarks
				Alpha	Sub	TAT	OG_HEM_W	TPH/P_W	VOC_W	
STR11071463-01A	MW-2	AQ	07/12/11 12:47	8	0	5	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-02A	MW-3	AQ	07/12/11 11:53	8	0	5	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-03A	MW-4	AQ	07/12/11 13:09	8	0	5	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-04A	MW-5	AQ	07/12/11 12:18	8	0	5	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-05A	MW-6	AQ	07/12/11 12:03	8	0	5	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-06A	MW-7	AQ	07/12/11 12:58	8	0	5	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-07A	MW-8	AQ	07/12/11 11:26	8	0	5	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-08A	MW-9	AQ	07/12/11 13:21	8	0	5	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	

Comments: Security seals intact. Frozen Ice. Oil & Grease w/silica gel cleanup and HVOC's added to list per Ambers received. Amended 7/21/11 to delete O&G SGT due to O&G HEM being ND, per lab protocol. RV :

Logged in by:	Signature	Print Name	Company	Date/Time
		Reyna Vallejo	Alpha Analytical, Inc.	7/21/11 17:15

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

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 : STR11071463
Report Due By : 5:00 PM On : 21-Jul-11

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

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

EDD Required : Yes

Sampled by : Vince Z.

PO : Client's COC # : 54999 Job : Grit Auto Repair
 Cooler Temp : 0 °C Samples Received : 14-Jul-11 Date Printed : 14-Jul-11

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

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha Sub TAT	Requested Tests				Sample Remarks
				OG_HEM_W	OG_SGT_W	TPHP_W	VOC_W	
STR11071463-01A	MW-2	AQ 07/12/11 12:47	8 0 5	X	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-02A	MW-3	AQ 07/12/11 11:53	8 0 5	X	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-03A	MW-4	AQ 07/12/11 13:09	8 0 5	X	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-04A	MW-5	AQ 07/12/11 12:18	8 0 5	X	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-05A	MW-6	AQ 07/12/11 12:03	8 0 5	X	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-06A	MW-7	AQ 07/12/11 12:58	8 0 5	X	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-07A	MW-8	AQ 07/12/11 11:26	8 0 5	X	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	
STR11071463-08A	MW-9	AQ 07/12/11 13:21	8 0 5	X	X	GAS-C	8010/BTEX/OXY/1,2-DCA/EDB	


Comments: Security seals intact. Frozen Ice. Oil & Grease w/silica gel cleanup and HVOC's added to list per Ambers received. :

Signature	Print Name	Company	Date/Time
	Cheryl Gamble	Alpha Analytical, Inc.	7/14/11 11:55

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 Name Stratus Env.
 Attn: Scott B.
 Address 3330 Cameron Park Dr #550
 City, State, Zip Cameron Park, CA
 Phone Number 530-676-6004 Fax 530-676-6005



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

Samples Collected From Which State?

AZ CA NV WA DOD Site
 ID OR OTHER Page # 1 of 1

Consultant / Client Name		Job #		Job Name		Analyses Required					Data Validation Level: III or IV			
Grimt Auto Repair						GRO	BTEX	5oxys	1,2-DCA	EDB		EDD / EDF? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
Address: 1970 Seminary Ave		Report Attention / Project Manager		Name: Scott Bittinger								REMARKS		
City, State, Zip: Oakland, CA		Email:		Phone:		Mobile: 916-601-9756								
Time Sampled	Date Sampled	Matrix* See Key Below	P.O. #	Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	# Containers**						
1247	0712	AQ		STR11071463-01A	MW-2	Std		6x2L	X	X	X	X	X	oil & grease with silica gel cleanup. Halogenated Volatile Organic Compounds (HVOC's)
1153				FOR -02A	-3									
1309				-03A	-4									
1218				-04A	-5									
1203				LAB -05A	-6									
1258				-06A	-7									
1126				-07A	-8									
1321				USE -08A	-9				X	X	X	X	X	
				ONLY										

ADDITIONAL INSTRUCTIONS:

I, (field sampler), attest to the validity and authenticity of this sample. 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. Sampled By: Vanne Zabolotta

Relinquished by: (Signature/Affiliation) <u>Vanne Zabolotta / sampler</u>	Received by: (Signature/Affiliation) <u>Isa Julevic</u>	Date: <u>7-13-11</u>	Time: <u>5:00</u>
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation) <u>[Signature]</u> Alpha	Date: <u>7/14/11</u>	Time: <u>11:25</u>
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:

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

APPENDIX D

**GEOTRACKER ELECTRONIC SUBMITTAL
CONFIRMATIONS**

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

<u>Submittal Type:</u>	GEO_WELL
<u>Submittal Title:</u>	GeoWell 7-12-11
<u>Facility Global ID:</u>	T0600100667
<u>Facility Name:</u>	GRIMIT AUTO REPAIR & SERVICE
<u>File Name:</u>	GEO_WELL.zip
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	12.186.106.98
<u>Submittal Date/Time:</u>	8/16/2011 1:42:39 PM
<u>Confirmation Number:</u>	3940185487

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STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

**Processing is complete. No errors were found!
Your file has been successfully submitted!**

<u>Submittal Type:</u>	EDF - Monitoring Report - Quarterly
<u>Submittal Title:</u>	Analytical 7-12-11
<u>Facility Global ID:</u>	T0600100667
<u>Facility Name:</u>	GRIMIT AUTO REPAIR & SERVICE
<u>File Name:</u>	11071463_EDF.zip
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	12.186.106.98
<u>Submittal Date/Time:</u>	8/16/2011 1:39:39 PM
<u>Confirmation Number:</u>	2855198681

[VIEW QC REPORT](#)

[VIEW DETECTIONS REPORT](#)

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