PENSKE

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By Alameda County Environmental Health at 11:36 am, Oct 09, 2014

October 8, 2014

Ms. Karel Detterman
Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: Addendum to No Further Action Request Report
Former Penske Truck Leasing Facility
725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702473.200.0001

Dear Ms. Detterman:

Enclosed with this cover letter is the Addendum to No Further Action Request Report for the above-referenced former Penske Truck Leasing location.

As an authorized representative of Penske Truck Leasing Co, LP, I offer the following statement:

> I, Chris Hawk, declare, under penalty of perjury, that the information and/or recommendations contained in the enclosed Report are true and correct to the best of my knowledge

Should you have any questions, please contact me at 610-775-6123.

Best Regards,

Chris Hawk
Environmental Engineer

Penske Truck Leasing
Rt. 10 Green Hills, PO Box 7635
Reading, PA 19603-7635

Tel 610 775 6298
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Stantec Consulting Services Inc.
1340 Treat Boulevard, Suite 300, Walnut Creek CA 94597-7966

October 8, 2014
File: 185702858.200.0001

Ms. Karel Detterman
Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Reference: **Addendum to No Further Action Request Report, January 14, 2014**
Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354

Dear Ms. Detterman:

Stantec Consulting Services Inc. (Stantec), on behalf of Penske Truck Leasing Company (Penske), has prepared this *Addendum to No Further Action Request Report* for the Former Penske Truck Leasing Facility (the Site) located at 725 Julie Ann Way in Oakland, California (see Figure 1). This addendum was prepared at your request to document procedures and results from two groundwater monitoring events that were conducted in September 2013 and June 2014, which were not discussed in detail in the January 14, 2014 *No Further Action Request Report* (NFAR).

Alameda County Environmental Health (ACEH) provided a number of comments and questions in response to the NFAR, in an email dated April 30, 2014. The additional information requested, excluding the groundwater monitoring events discussed below, was previously provided to ACEH in an email dated August 13, 2014, and was subsequently uploaded to Geotracker. These emails in support of requested additional information is provided in Appendix A.

GROUNDWATER MONITORING AND SAMPLING PROCEDURES

There are ten on-Site groundwater monitoring wells associated with the Site (see Figure 2). Well construction details are presented on Table 1. Groundwater levels were measured by Blaine Tech Services, Inc. (Blaine Tech) in the ten monitoring wells on September 27, 2013 and June 4, 2014. An oil/water interface probe graduated to 0.01 foot was used to evaluate the presence of free-phase product. No free-phase fuel product was measured in the ten on-site monitoring wells in September 2013 or June 2014. Copies of the field data sheets are included in Appendix B.

Depth-to-groundwater measurements and surveyed wellhead top-of-casing elevations were used to calculate groundwater surface elevations. Water-level measurements and groundwater elevations are presented in Table 1.

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On September 27, 2013 and June 4, 2014, wells MW-1R, MW-2, MW-4, MW-7R, MW-8, OW-1, and OW-2 were sampled by Blaine Tech. Well MW-3, MW-5 and MW-6 were also sampled on June 4, 2014. Prior to sampling, wells were purged of approximately three well casing volumes using a diaphragm pump fitted with new, disposable tubing for each well, except for cases where the well dewatered prior to evacuating the full three volumes. During purging, groundwater was periodically measured for pH, electrical conductivity, turbidity, and temperature, and visually inspected for color and the presence of free product.

Downhole dissolved oxygen (DO) measurements were recorded pre- and post-purging at each well. Physical parameters, purge volumes for each well, visual observations, and sampling notes were recorded on field data sheets and are included in Appendix B.

Upon removal of the appropriate purge volume and stabilization of the measured field parameters, samples were collected from each well using a new, disposable bailer. Samples were collected into laboratory-supplied containers and stored cold and under chain-of-custody during delivery to Curtis and Tompkins Ltd, a state-certified analytical laboratory in Berkeley, California.

ANALYTICAL PROGRAM

The groundwater samples were analyzed for the following constituents:

- Total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) by United States Environmental Protection Agency (EPA) Method 8015B (samples for TPHd analysis were subjected to silica gel treatment); and,

- Benzene, toluene, ethylbenzene and xylenes (BTEX), methyl tertiary-butyl ether (MTBE), ethylene dichloride (EDC), ethylene dibromide (EDB), and naphthalene by EPA Method 8260B.

In June 2014 the groundwater samples were also analyzed for semi-volatile organic compounds (SVOCs) by EPA Method 8270D SIM.

The chain-of-custody forms and the laboratory analytical reports are included in Appendix C.

WASTE MANAGEMENT AND DISPOSAL

Purge/rinsate water generated during groundwater sampling activities was stored in California Department of Transportation (DOT)-approved 55-gallon steel drums and left on-Site pending characterization and disposal.

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RESULTS

Groundwater Elevation Monitoring Results

Groundwater elevation data since 1997 is presented in Table 1. The groundwater elevation surface contour maps generated from the September 2013 and June 2014 data are included as Figure 3 and Figure 4, respectively.

September 2013 depth-to-groundwater measurements ranged from 4.76 to 6.43 feet below the top of casing, corresponding to a range of groundwater elevations of 5.25 to 5.90 feet relative to the NAVD 88 datum. No sheen or measurable free-phase product was observed during the September 2013 monitoring event. Groundwater flow direction was toward the west (Figure 3).

June 2014 depth-to-groundwater measurements ranged from 4.44 to 5.93 feet below the top of casing, corresponding to a range of groundwater elevations of 5.78 to 6.31feet relative to the NAVD 88 datum. No sheen or measurable free-phase product was observed during the June 2014 monitoring event. Groundwater flow direction was toward the west and north (Figure 4).

Groundwater flow directions since 1991 have been primarily to the west-northwest as shown on Figure 5.

Groundwater Sample Analytical Results

Groundwater sample analytical results for VOCs and SVOCs are presented in Table 1 and Table 2, respectively. September 2013 and June 2014 results for TPHd, TPHg, BTEX, and MTBE are shown on Figure 6 and Figure 7, respectively. The following sections summarize groundwater analytical results.

TPHd

In September 2013, TPHd was not detected above the laboratory-reporting limit (LRL) of 50 micrograms per liter (µg/L) in two of the seven monitoring wells (MW-2 and MW-8). TPHd was reported in five of the seven wells at concentrations ranging from 480 (well M-1R) to 1,700 µg/L (well MW-4).

In June 2014, TPHd was not detected above the LRL of 20 µg/L in MW-2 and MW-6. TPHd was detected in seven of the wells sampled at concentrations ranging from 28.8 µg/L (estimated value in well MW-3) to 2,200 µg/L (well MW-7R).

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TPHg

In September 2013, TPHg was not detected above the LRL of 50 µg/L in three of the seven monitoring wells (MW-2, MW-4 and MW-8). TPHg was reported in four of seven groundwater samples collected at concentrations ranging from 74 µg/L (well MW-7R) to 280 µg/L (well OW-2). Concentrations of TPHg reported in samples from wells MW-1R, MW-7R, OW-1, and OW-2 were identified by the laboratory as displaying a chromatographic pattern which does not resemble the laboratory standard, and were flagged with the qualifier K.

In June 2014, TPHg was not detected above the LRL of 20 µg/L s in six of the ten monitoring wells sampled (MW-2, MW-3, MW-4, MW-5, MW-6 and MW-8). TPHg was reported in four of ten groundwater samples collected at concentrations ranging from 21.5 µg/L (estimated value in well MW-1R) to 638 µg/L (well MW-7R).

MTBE

In September 2013, MTBE was not detected above the LRL of 0.5 µg/L in monitoring well MW-1R. MTBE was reported in six of the seven groundwater samples at concentrations ranging from 0.6 µg/L (well MW-2) to 12 µg/L (well OW-2).

In June 2014, MTBE was not detected above the LRL of 0.2 µg/L in monitoring wells MW-1R and MW-7R. MTBE was reported in eight of the ten groundwater samples at concentrations ranging from 0.40 µg/L (estimated values in wells MW-2 and MW-3) to 5.1 µg/L (well OW-2).

BTEX, EDC, EDB, and Naphthalene

In September 2013 and June 2014, benzene was detected in only one well, MW-7R, at concentrations of 0.80 µg/L and 0.64 µg/L, respectively. Toluene, ethyl benzene, xylenes, EDC, EDB, and naphthalene were not detected at or above LRLs in any of the other groundwater samples.

SVOCs

One or more SVOCs were detected in seven of the ten wells sampled in June 2014. Acenaphthene, flourene, and 1-methtylnaphthalene were detected in MW-1 at concentrations of 0.51 µg/L, 1.2 µg/L, and 5.8 µg/L, respectively. The remaining SVOC detections were estimated values close to the reporting limit (Table 2).

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CONCENTRATION TRENDS

The following is a summary of chemical concentration trends. Plots depicting concentration trends since 2009 (when groundwater monitoring at the Site was resumed following Fentons reagent treatment in 2000 and cessation of post-treatment monitoring in 2002) are included as Figures 8 through 11. Historical concentration plots depicting data from February 1997 through June 2014 are included in Appendix D.

TPHd – A plot depicting TPHd concentrations since 2009 is included as Figure 8.

- The reported TPHd concentrations for September 2013 and June 2014 are consistent with declining or stable concentration trends since 2009.
- TPHd has not been detected above LRLs in well MW-2 for the sixth consecutive sampling event. Concentrations of TPHd in this well have generally remained low (below 200 µg/L) since Fentons treatment in 2000, except for 870 µg/L reported in wells MW-2 in February 2010.
- TPHd was detected in MW-8 at 35.7 µg/L (estimated value) in June 2014 after not being detected above LRLs during six previous events. The June 2014 TPHd concentration for MW-8 is an estimated value and less than the previous detection limits of 50 µg/L.

TPHg – A plot depicting TPHg concentrations since 2009 is included as Figure 9.

- The reported TPHg concentrations for September 2013 and June 2014 are consistent with declining or stable concentration trends since 2009.
- Concentrations of TPHg in wells MW-1R, and OW-1 are low and have generally remained stable during the post-treatment period.
- TPHg concentrations continue to be below LRLs in wells MW-2 and MW-8, and TPHg has not been detected in well MW-4 for the past six consecutive sampling events.

BTEX – A plot depicting benzene concentrations since 2009 is included as Figure 10.

- Benzene concentrations continue to be below LRLs in all wells with the exception of well MW-7R. The two most recent results for benzene concentrations in MW-7R were 0.8 µg/L and 0.64 µg/L and represent a continuing declining trend.
- Data from well MW-1/1R continue to document ongoing, sustained reductions in benzene concentrations, where benzene has not been detected above LRLs in well MW-1/1R since post-treatment monitoring resumed in 2009.

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- Toluene, ethylbenzene, and xylenes have not been detected in groundwater samples since 2001.

MTBE – A plot depicting MTBE concentrations since 2009 is included as Figure 11.

- MTBE is typically detected in wells MW-4, MW-7R, MW-8, OW-1, and OW-2, and has been detected one or more times in wells MW-1/1R and MW-2. Concentrations are typically low, with concentrations below 10 µg/L since groundwater monitoring resumed at the Site in 2009. The September 2013 and June 2014 analytical results are consistent with historical data.

EDC/EDB and Naphthalene

- EDC, EDB and naphthalene have not been detected in groundwater since analysis of these constituents began in April 2009.

DISCUSSION AND CONCLUSIONS

Project Status

Our understanding of work completed to date is summarized as follows:

- Groundwater chemical data from Site monitoring wells accurately represent Site conditions;
- Post-remediation confirmation sampling completed in 2009 suggests that shallow soils remain impacted by weathered and/or degraded petroleum hydrocarbons;
- Chemical impacts to groundwater are limited to the western portion of the Site adjacent to the former underground storage tanks (USTs), and are limited to low concentrations TPHd, TPHg, benzene (MW-7R only) and MTBE;
- Concentrations of petroleum hydrocarbons in groundwater have generally declined since treatment with Fenton's reagent in 2000, and no longer warrant ongoing groundwater monitoring; and,
- Phase-separated hydrocarbons have not been detected in any wells for over four years since February 2010.

Penske has completed site characterization activities from 2008 until present as requested by Health Department staff, and Stantec considers chemical impacts at the Site to be well-defined. Penske submitted an NFAR report requesting closure of the site under the RWQCB Low-Threat Closure Policy and is awaiting the decision on the request. Penske believes that this addendum to the NFAR report

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provides the conclusive pieces for ACEH to make a closure determination. If you have any questions regarding this document, please contact the undersigned.

Regards,

STANTEC CONSULTING SERVICES INC.

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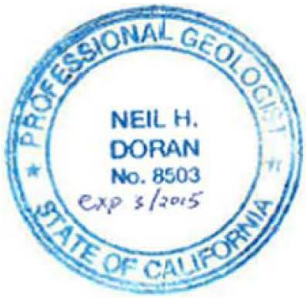

cc: Mr. Christopher Hawk, Penske Truck Leasing, Reading PA

List of Attachments

Table 1	Groundwater Elevation, Separate Phase Hydrocarbon, and TPH/BTEX Analytical Data
Table 2	SVOC Analytical Data
Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Groundwater Elevation Surface Contour Map – September 2013
Figure 4	Groundwater Elevation Surface Contour Map – June 2014
Figure 5	Groundwater Flow Direction Rose Diagram
Figure 6	Fuel Hydrocarbon Constituents in Groundwater – September 2013
Figure 7	Fuel Hydrocarbon Constituents in Groundwater – June 2014
Figure 8	TPHd versus Time – April 2009 to June 2014
Figure 9	TPHg versus Time – April 2009 to June 2014
Figure 10	Benzene versus Time – April 2009 to June 2014
Figure 11	MTBE versus Time – April 2009 to June 2014

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List of Attachments (continued)

Appendix A	ACEH Electronic Correspondence
Appendix B	Groundwater Sample Collection Logs
Appendix C	Water Sample Laboratory Reports and Chain-of-Custody Records
Appendix D	Concentration Plots – 1997 to 2013

TABLES

Table 1

Groundwater Elevation, Separate Phase Hydrocarbon, and TPH/BTEX Analytical Data

725 Julie Ann Way, Oakland, California

Well Number	Date Gauged	Well Elevation (feet)	Screen Interval (feet bgs)	Depth To Water (feet, TOC)	SPH Thickness (ft.)	Groundwater Elevation (feet, MSL)	LNAPL Corrected Groundwater Elevation (feet, MSL)	TPH as Diesel (µg/L)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Ethylene Dichloride (µg/L)	Ethylene Dibromide (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	TCE (µg/L)	Tert-butyl Alcohol (µg/L)	Comments (µg/L)
MW-1	02/20/97	11.02	10.0 - 35.0	5.41	NP	5.61	5.61	**200,000**	**2,900**	**260**	**61**	**42**	**96**	--	--	--	--	--	--	--	--
	05/28/97		10.0 - 35.0	5.98	NP	5.04	5.04	**28,000**	**2,100**	**230**	**42**	**55**	**110**	--	--	--	--	--	--	--	--
	09/19/97		10.0 - 35.0	6.45	0.26	4.57	4.76	**2,700,000**	**110,000**	**230**	**140**	**250**	**700**	<500	--	--	--	--	--	--	--
	11/17/97		10.0 - 35.0	6.14	0.14	4.88	4.98	**950,000**	**40,000**	**240**	**190** (c)	**270** (c)	**880** (c)	<300 (c)	--	--	--	--	--	--	--
	02/27/98		10.0 - 35.0	4.83	0.03	6.19	6.21	**1,200,000**	**380,000**	**50**	**50**	**200**	**800**	<500	--	--	--	--	--	--	--
	05/27/98		10.0 - 35.0	6.42	0.01	4.60	4.61	**280,000**	**13,000**	**110**	**13**	**66**	**390**	<50	--	--	--	--	--	--	--
	10/01/98		10.0 - 35.0	6.49	0.15	4.53	4.64	**63,000**	**1,300**	**43**	**1.2**	**15**	**84**	<10	--	--	--	--	--	--	--
	12/22/98		10.0 - 35.0	6.35	0.01	4.67	4.68	**79,000**	**2,000**	**32**	<5.0 (e)	**23** (e)	**130** (e)	<5.0 (e)	--	--	--	--	--	--	--
	12/28/99		10.0 - 35.0	7.34	PP	3.68	3.68	**43,000**	**1,700**	**49**	**1.3**	**11.0**	**24**	<5.0	--	--	--	--	--	--	--
	03/14/00		10.0 - 35.0	4.95	0.10	6.07	6.07	**4,300**	**540**	**59**	**1.3**	**12**	**23**	--	--	--	--	--	--	--	--
	06/28/00		10.0 - 35.0	5.54	0.03	5.48	5.48	**290,000**	**1,300**	**26**	<2.5	<2.5	**23**	<25	--	--	--	--	--	--	--
	09/14/00		10.0 - 35.0	6.41	PP	4.61	4.61	**770,000**	**1,100**	**34**	<2.5	**3.9**	**17**	<5.0	--	--	--	--	--	--	--
	12/11/00		10.0 - 35.0	6.08	NP	4.94	4.94	**28,000**	**2,000**	**10**	<2.5	<2.5	**9.3**	<25	--	--	--	--	--	--	--
	03/14/01		10.0 - 35.0	6.11	NP	4.91	4.91	**8,400**	**350**	**12**	<2.5	<2.5	<2.5	<25	--	--	--	--	--	--	--
	06/13/01		10.0 - 35.0	5.68	--	5.34	5.34	**13,000**	**340**	**6.4**	ND	ND	**1.6**	ND	--	--	--	--	--	--	--
	08/29/01		10.0 - 35.0	6.13	--	4.89	4.89	**26,000**	**140**	**0.50**	ND	ND	ND	ND	--	--	--	--	--	--	--
	12/12/01		10.0 - 35.0	5.31	Sheen	5.71	5.71	**5,600**	**160**	**0.65**	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	04/11/02		10.0 - 35.0	5.21	NP	5.81	5.81	**23,000**	**260**	**3.4**	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	12/05/02		10.0 - 35.0	5.85	Sheen	5.17	5.17	**17,000**	**340**	**2.2**	<0.50	<0.50	<0.50	**6.0**	--	--	--	--	--	--	--
	04/22/09		10.0 - 35.0	5.03	--	5.99	5.99	**3,200**	**240**	<0.50	<0.50	<0.50	<1.0	**2.6**	<0.50	<0.50	<0.50	--	--	--	--
	04/22/09				DUP			**12,000**	**310**	<0.50	<0.50	<0.50	<1.0	**2.8**	<0.50	<0.50	<0.50	--	--	--	--
	Well MW-1 abandoned on January 11, 2010 and replaced with well MW-1R on January 12, 2010.																				--
MW-1R	02/08/10	11.02	3.50 - 20.00	4.41	--	6.61	6.61	**5,600**	**120** (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
	02/08/10				DUP			**5,800**	**110** (k) (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
	05/10/10		3.50 - 20.00	4.58	NP	6.44	6.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/16/10		3.50 - 20.00	4.98	NP	6.04	6.04	**770**	**110** (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
	07/16/10				DUP			**960**	**120** (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
	10/04/10		3.50 - 20.00	5.57	0.01	5.45	5.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/11		3.50 - 20.00	4.92	NP; 9ft sample	6.10	6.10	**420**	97 (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
	02/03/11				18 ft sample			**860**	98 (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
	02/03/11				std sample			**910**	**110** (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
	04/11/11		3.50 - 20.00	4.40	NP	6.62	6.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/25/11		3.50 - 20.00	4.84	NP	6.18	6.18	**500**	**83** (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
	07/25/11				DUP			**1,000**	**88** (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
	12/06/11		3.50 - 20.00	5.29	NP	5.73	5.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/12		3.50 - 20.00	4.35	--	6.67	6.67	**810**	**120** (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	--	--	--	--
	03/22/12				DUP			**1,300**	**94** (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	--	--	--	--
	09/24/12		3.50 - 20.00	5.60	NP	5.42	5.42	**590** (k)	**110** (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	--	--	--	--
	09/24/12				DUP			**510** (k)	**120** (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	--	--	--	--
	03/04/13		3.50 - 20.00	5.15	--	5.87	5.87	**1,500**	**87** (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	--	--	--	--
	09/27/13		3.50 - 20.00	5.62	--	5.40	5.40	**480**	**100** (k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	--	--	--	--
	06/04/14		3.50 - 20.00	5.08	NP	5.94	5.94	**570**	**21.5** J	<0.20	<0.20	<0.20	<0.46	<0.20	<0.20	<0.20	<0.50	**8.6 J**	<0.20	<2.4	--

Table 1

Groundwater Elevation, Separate Phase Hydrocarbon, and TPH/BTEX Analytical Data

725 Julie Ann Way, Oakland, California

Well Number	Date Gauged	Well Elevation (feet)	Screen Interval (feet bgs)	Depth To Water (feet, TOC)	SPH Thickness (ft.)	Groundwater Elevation (feet, MSL)	LNAPL Corrected Groundwater Elevation (feet, MSL)	TPH as Diesel (µg/L)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Ethylene Dichloride (µg/L)	Ethylene Dibromide (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	TCE (µg/L)	Tert-butyl Alcohol (µg/L)	Comments (µg/L)
MW-2	02/20/97	11.87	10.00 - 30.00	6.26	NP	5.61	5.61	**1,000** (h)	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	05/28/97		10.00 - 30.00	6.65	NP	5.22	5.22	**3,700** (b,h)	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	09/19/97		10.00 - 30.00	6.90	NP	4.97	4.97	**4,100**	<50	<0.50	<0.50 .50	<0.50	<2.0	<5.0	--	--	--	--	--	--	--
	11/17/97		10.00 - 30.00	6.75	NP	5.12	5.12	**1,300**	<50	<0.50	<0.50 .50	<0.50	<2.0	<5.0	--	--	--	--	--	--	--
	02/27/98		10.00 - 30.00	5.31	NP	6.56	6.56	**340**	<50	<0.50	0.9	<0.50	<2.0	<5.0	--	--	--	--	--	--	--
	05/27/98		10.00 - 30.00	5.87	NP	6.00	6.00	**1,300**	<50	<0.50	<0.50	<0.50	<2.0	<5.0	--	--	--	--	--	--	--
	10/01/98		10.00 - 30.00	6.95	NP	4.92	4.92	**3,500** (i)	**3,200**	<1.0	<1.0	<1.0	<2.0	<10	--	--	--	--	--	--	--
	12/22/98		10.00 - 30.00	6.70	NP	5.17	5.17	**1,200** (j,k)	**67** (d)	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	--	--	--	--	--
	12/28/99		10.00 - 30.00	7.08	NP	4.79	4.79	**750**	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	03/15/00		10.00 - 30.00	5.45	Sheen	6.42	6.42	**92**	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	06/28/00		10.00 - 30.00	6.37	NP	5.50	5.50	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	09/14/00		10.00 - 30.00	6.86	NP	5.01	5.01	**120**	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	12/11/00		10.00 - 30.00	7.33	NP	4.54	4.54	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	03/14/01		10.00 - 30.00	5.75	NP	6.12	6.12	**75**	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	06/13/01		10.00 - 30.00	6.33	--	5.54	5.54	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
	08/29/01		10.00 - 30.00	6.71	--	5.16	5.16	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
	12/12/01		10.00 - 30.00	5.92	NP	5.95	5.95	**150** (j)	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	04/11/02		10.00 - 30.00	5.88	NP	5.99	5.99	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	12/05/02		10.00 - 30.00	6.56	NP	5.31	5.31	**57** (j)	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	04/22/09		10.00 - 30.00	5.52	--	6.35	6.35	**140**	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	--	--	--	--
	02/08/10		10.00 - 30.00	5.28	--	6.59	6.59	**870** (k)	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	--	--	--	--
	05/10/10		10.00 - 30.00	5.46	NP	6.41	6.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/16/10		10.00 - 30.00	5.80	NP	6.07	6.07	<50	<50	<0.50	<0.50	<0.50	<1.0	**1.5**	<0.50	<0.50	<0.50	--	--	--	--
	10/04/10		10.00 - 30.00	5.32	0.01	6.55	6.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/11		10.00 - 30.00	5.83	NP	6.04	6.04	**90** (k)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
	04/11/11		10.00 - 30.00	5.35	NP	6.52	6.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/25/11		10.00 - 30.00	5.76	NP	6.11	6.11	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
	12/06/11		10.00 - 30.00	6.16	NP	5.71	5.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/12		10.00 - 30.00	5.40	--	6.47	6.47	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	--	--	--	--
	09/24/12		10.00 - 30.00	6.38	NP	5.49	5.49	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	--	--	--	--
	03/04/13		10.00 - 30.00	5.95	NP	5.92	5.92	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.3**	<0.50	<0.50	<2.0	--	--	--	--
	09/27/13		10.00 - 30.00	6.43	NP	5.44	5.44	<50	<50	<0.50	<0.50	<0.50	<0.50	**0.6**	<0.50	<0.50	<2.0	--	--	--	--
	06/04/14		10.00 - 30.00	5.93	NP	5.94	5.94	<26	<20	<0.20	<0.20	<0.20	<0.46	**0.4** J	<0.20	<0.20	<0.50	<4.0	**1.4**	<2.4	--

Table 1

Groundwater Elevation, Separate Phase Hydrocarbon, and TPH/BTEX Analytical Data

725 Julie Ann Way, Oakland, California

Well Number	Date Gauged	Well Elevation (feet)	Screen Interval (feet bgs)	Depth To Water (feet, TOC)	SPH Thickness (ft.)	Groundwater Elevation (feet, MSL)	LNAPL Corrected Groundwater Elevation (feet, MSL)	TPH as Diesel (µg/L)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Ethylene Dichloride (µg/L)	Ethylene Dibromide (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	TCE (µg/L)	Tert-butyl Alcohol (µg/L)	Comments (µg/L)
MW-3	02/20/97	11.79	10.00 - 35.00	6.36	NP	5.43	5.43	**140** (h)	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	05/28/97		10.00 - 35.00	6.62	NP	5.17	5.17	**240** (b,h)	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	09/19/97		10.00 - 35.00	6.83	NP	4.96	4.96	<50	<50	**0.7**	<0.5	<0.5	<2.0	<5.0	--	--	--	--	--	--	--
	11/17/97		10.00 - 35.00	6.77	NP	5.02	5.02	<50	<50	<0.5	<0.5	<0.5	<2.0	<5.0	--	--	--	--	--	--	--
	02/27/98		10.00 - 35.00	5.38	NP	6.41	6.41	<50	<50	<0.5	<0.5	<0.5	<2.0	<5.0	--	--	--	--	--	--	--
	05/27/98		10.00 - 35.00	6.05	NP	5.74	5.74	<50	<50	<0.5	<0.5	<0.5	<2.0	<5.0	--	--	--	--	--	--	--
	10/01/98		10.00 - 35.00	6.95	NP	4.84	4.84	**56** (l)	<50	<0.5	<0.5	<0.5	<1.0	<5.0	--	--	--	--	--	--	--
	12/22/98		10.00 - 35.00	6.73	NP	5.06	5.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/99		10.00 - 35.00	7.22	NP	4.57	4.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/28/00		10.00 - 35.00	6.37	NP	5.42	5.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/00		10.00 - 35.00	7.06	NP	4.73	4.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/00		10.00 - 35.00	6.68	--	5.11	5.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/01		10.00 - 35.00	5.85	NP	5.94	5.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/13/01		10.00 - 35.00	6.34	--	5.45	5.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/29/01		10.00 - 35.00	6.70	--	5.09	5.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/01		10.00 - 35.00	5.95	NP	5.84	5.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/11/02		10.00 - 35.00	5.86	NP	5.93	5.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/05/02		10.00 - 35.00	6.55	NP	5.24	5.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/08/10		10.00 - 35.00	5.31	--	6.48	6.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/10/10		10.00 - 35.00	5.52	NP	6.27	6.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/16/10		10.00 - 35.00	5.90	NP	5.89	5.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/04/10		10.00 - 35.00	6.28	NP	5.51	5.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/11		10.00 - 35.00	5.33	NP	6.46	6.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/11/11		10.00 - 35.00	5.37	NP	6.42	6.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/25/11		10.00 - 35.00	5.71	NP	6.08	6.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/06/11		10.00 - 35.00	6.17	NP	5.62	5.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/12		10.00 - 35.00	5.36	--	6.43	6.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/24/12		10.00 - 35.00	6.38	NP	5.41	5.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/04/13		10.00 - 35.00	6.00	NP	5.79	5.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/27/13		10.00 - 35.00	6.40	NP	5.39	5.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/04/14		10.00 - 35.00	5.90	NP	5.89	5.89	**28.8 J**	<20	<2.0	<2.0	2.6 J	<4.6	**0.40** J	<2.0	<2.0	<5.0	<40	<2.0	<24	--

Table 1
Groundwater Elevation, Separate Phase Hydrocarbon, and TPH/BTEX Analytical Data
725 Julie Ann Way, Oakland, California

Well Number	Date Gauged	Well Elevation (feet)	Screen Interval (feet bgs)	Depth To Water (feet, TOC)	SPH Thickness (ft.)	Groundwater Elevation (feet, MSL)	LNAPL Corrected Groundwater Elevation (feet, MSL)	TPH as Diesel (µg/L)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Ethylene Dichloride (µg/L)	Ethylene Dibromide (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	TCE (µg/L)	Tert-butyl Alcohol (µg/L)	Comments (µg/L)
MW-4	02/20/97	10.88	6.50 - 33.50	5.29	NP	5.59	5.59	**470,000**	**64,000**	<100	<100	<100	<100	--	--	--	--	--	--	--	--
	05/28/97		6.50 - 33.50	5.66	NP	5.22	5.22	**1,000,000**	**11,000**	<100	<100	<100	<100	--	--	--	--	--	--	--	--
	09/19/97		6.50 - 33.50	6.00	0.04	4.88	4.91	**2,600,000**	**37,000**	**260**	<30	<30	<100	<300	--	--	--	--	--	--	--
	11/17/97		6.50 - 33.50	6.06	0.02	4.82	4.83	**57,000**	**4,400**	**25**	<5.0 [C]	<5.0 [C]	<5.0 [C]	<5.0 [C]	--	--	--	--	--	--	--
	02/27/98		6.50 - 33.50	4.66	0.02	6.22	6.23	**9,300**	**580**	**2.7**	**0.8**	**0.8**	**3**	<50	--	--	--	--	--	--	--
	05/27/98		6.50 - 33.50	5.98	0.01	4.90	4.91	**11,000**	**3,900**	**1.4**	**0.6**	<0.5	<2.0	<5.0	--	--	--	--	--	--	--
	10/01/98		6.50 - 33.50	5.23	0.01	5.65	5.66	**670,000**	**2,400**	**5.7**	<2.0	<10	4.6	<10	--	--	--	--	--	--	--
	12/22/98		6.50 - 33.50	6.57	NP	4.31	4.31	**3,700**	**200**	<2.5 [D]	<2.5 [D]	<2.5 [D]	<5.0 [D]	<25 [D]	--	--	--	--	--	--	--
	12/28/99		6.50 - 33.50	6.54	PP	4.34	4.34	**5,800**	**1,000**	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	03/14/00		6.50 - 33.50	4.86	0.10	6.02	6.09	**4,800**	**350**	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	06/28/00		6.50 - 33.50	5.55	NP	5.33	5.33	**8,400**	**120**	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	09/14/00		6.50 - 33.50	6.05	Sheen	4.83	4.83	**19,000**	**130**	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	12/11/00		6.50 - 33.50	5.93	NP	4.95	4.95	**730**	**120**	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	03/14/01		6.50 - 33.50	5.04	NP	5.84	5.84	**580**	**50**	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	06/13/01		6.50 - 33.50	5.25	--	5.63	5.63	**260**	**54**	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
	08/29/01		6.50 - 33.50	5.89	--	4.99	4.99	**30,000**	**940**	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
	12/12/01		6.50 - 33.50	5.14	Sheen	5.74	5.74	**260**	**50**	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	04/11/02		6.50 - 33.50	4.96	NP	5.92	5.92	**230**	**50**	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	12/05/02		6.50 - 33.50	5.68	NP	5.20	5.20	**1,500**	**50**	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	04/22/09		6.50 - 33.50	4.67	--	6.21	6.21	**13,000**	**480**	<0.50	<0.50	<0.50	<0.50	**3.0**	<0.50	<0.50	<0.50	--	--	--	--
	02/08/10		6.50 - 33.50	4.71	--	6.17	6.17	**12,000**	**120** [K]	<0.50	<0.50	<0.50	<0.50	**1.6**	<0.50	<0.50	<0.50	--	--	--	--
	05/10/10		6.50 - 33.50	4.55	NP	6.33	6.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/16/10		6.50 - 33.50	5.12	NP	5.76	5.76	**2,700**	**210** [K]	<0.50	<0.50	<0.50	<0.50	**4.2**	<0.50	<0.50	<0.50	--	--	--	--
	10/04/10		6.50 - 33.50	5.49	NP	5.39	5.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/11		6.50 - 33.50	5.13	NP	5.75	5.75	**26,000**	**1,600** [K]	<0.50	<0.50	<0.50	<0.50	**1.4**	<0.50	<0.50	<0.50	--	--	--	--
	04/11/11		6.50 - 33.50	4.29	NP	6.59	6.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/25/11		6.50 - 33.50	4.04	NP	6.84	6.84	**720**	<50	<0.50	<0.50	<0.50	<0.50	**1.7**	<0.50	<0.50	<0.50	--	--	--	--
	12/06/11		6.50 - 33.50	5.34	NP	5.54	5.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/12		6.50 - 33.50	4.67	--	6.21	6.21	**2,500** [K]	<50	<0.50	<0.50	<0.50	<0.50	**0.9**	<0.50	<0.50	<2.0	--	--	--	--
	09/24/12		6.50 - 33.50	5.50	NP	5.38	5.38	**1,200** [K]	<50	<0.50	<0.50	<0.50	<0.50	**1.3**	<0.50	<0.50	<2.0	--	--	--	--
	03/04/13		6.50 - 33.50	5.05	NP	5.83	5.83	**550**	<50	<0.50	<0.50	<0.50	<0.50	**1.4**	<0.50	<0.50	<2.0	--	--	--	--
	09/27/13		6.50 - 33.50	5.47	NP	5.41	5.41	**1,700**	<50	<0.50	<0.50	<0.50	<0.50	**1.5**	<0.50	<0.50	<2.0	--	--	--	--
	06/04/14		6.50 - 33.50	5.10	NP	5.78	5.78	**1,830**	<20	<0.20	<0.20	<0.20	<0.46	**1.2**	<0.20	<0.20	<5.0	<4.0	<0.20	<2.4	--

Table 1

Groundwater Elevation, Separate Phase Hydrocarbon, and TPH/BTEX Analytical Data

725 Julie Ann Way, Oakland, California

Well Number	Date Gauged	Well Elevation (feet)	Screen Interval (feet bgs)	Depth To Water (feet, TOC)	SPH Thickness (ft.)	Groundwater Elevation (feet, MSL)	LNAPL Corrected Groundwater Elevation (feet, MSL)	TPH as Diesel (µg/L)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Ethylene Dichloride (µg/L)	Ethylene Dibromide (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	TCE (µg/L)	Tert-butyl Alcohol (µg/L)	Comments (µg/L)
MW-5	02/20/97	10.41	6.00 - 31.00	4.68	NP	5.73	5.73	**1,100** [n]	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	05/28/97		6.00 - 31.00	5.21	NP	5.20	5.20	**560** [p,q]	**60** [m]	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	09/19/97		6.00 - 31.00	5.43	NP	4.98	4.98	**1,000**	**70**	<0.5	<0.5	<0.5	<2.0	<5.0	--	--	--	--	--	--	--
	11/17/97		6.00 - 31.00	5.28	NP	5.13	5.13	**1,100**	**70**	**0.6**	**0.7**	**0.5**	<2.0	5.0	--	--	--	--	--	--	--
	02/27/98		6.00 - 31.00	4.10	NP	6.31	6.31	**ND**	<50	<0.5	<0.5	<0.5	<2.0	5.0	--	--	--	--	--	--	--
	05/27/98		6.00 - 31.00	5.40	NP	5.01	5.01	**770**	<50	<0.5	<0.5	<0.5	<2.0	<5.0	--	--	--	--	--	--	--
	10/01/98		6.00 - 31.00	5.42	NP	4.99	4.99	**630**	<50	<0.5	<0.5	<0.5	<1.0	<5.0	--	--	--	--	--	--	--
	12/22/98		6.00 - 31.00	5.40	NP	5.01	5.01	**890** [l]	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	--	--	--	--	--
	12/28/99		6.00 - 31.00	5.73	NP	4.68	4.68	**440** [k]	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	06/28/00		6.00 - 31.00	5.11	NP	5.30	5.30	**110** [l]	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	12/11/00		6.00 - 31.00	5.48	NP	4.93	4.93	**130**	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	03/14/01		6.00 - 31.00	4.57	NP	5.84	5.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/13/01		6.00 - 31.00	5.05	--	5.36	5.36	**120**	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
	08/29/01		6.00 - 31.00	5.34	--	5.07	5.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/01		6.00 - 31.00	4.79	NP	5.62	5.62	**530** [l]	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	04/11/02		6.00 - 31.00	4.66	NP	5.75	5.75	**230** [l]	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	12/05/02		6.00 - 31.00	5.32	NP	5.09	5.09	Well MW-5 was not included in sampling program between Aprill 2002 and June 2014										--	--	--	--
	02/08/10		6.00 - 31.00	4.13	--	6.28	6.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/10/10		6.00 - 31.00	4.20	NP	6.21	6.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/16/10		6.00 - 31.00	4.44	NP	5.97	5.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/04/10		6.00 - 31.00	4.97	NP	5.44	5.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/11		6.00 - 31.00	4.51	NP	5.90	5.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/11/11		6.00 - 31.00	4.00	NP	6.41	6.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/25/11		6.00 - 31.00	4.44	NP	5.97	5.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/06/11		6.00 - 31.00	4.82	NP	5.59	5.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/12		6.00 - 31.00	4.18	--	6.23	6.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/24/12		6.00 - 31.00	5.06	NP	5.35	5.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/04/13		6.00 - 31.00	4.69	NP	5.72	5.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/27/13		6.00 - 31.00	5.16	NP	5.25	5.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/04/14		6.00 - 31.00	4.55	NP	5.86	5.86	**108**	<20	<0.20	<0.20	<0.20	<0.46	**0.80** J	<0.20	<0.20	<0.50	**15.9 J**	<0.20	<2.4	--

Table 1

Groundwater Elevation, Separate Phase Hydrocarbon, and TPH/BTEX Analytical Data

725 Julie Ann Way, Oakland, California

Well Number	Date Gauged	Well Elevation (feet)	Screen Interval (feet bgs)	Depth To Water (feet, TOC)	SPH Thickness (ft.)	Groundwater Elevation (feet, MSL)	LNAPL Corrected Groundwater Elevation (feet, MSL)	TPH as Diesel (µg/L)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Ethylene Dichloride (µg/L)	Ethylene Dibromide (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	TCE (µg/L)	Tert-butyl Alcohol (µg/L)	Comments (µg/L)
MW-6	02/20/97	11.05	15.00 - 25.00	5.38	NP	5.67	5.67	--	--	--	--	--	--	--	--	--	--	--	--	--	Last sampled in 1994
	05/28/97		15.00 - 25.00	5.93	NP	5.12	5.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/19/97		15.00 - 25.00	6.15	NP	4.90	4.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/97		15.00 - 25.00	6.06	NP	4.99	4.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/27/98		15.00 - 25.00	4.74	NP	6.31	6.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/27/98		15.00 - 25.00	5.40	NP	5.65	5.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/01/98		15.00 - 25.00	6.37	NP	4.68	4.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/22/98		15.00 - 25.00	6.06	NP	4.99	4.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/99		15.00 - 25.00	6.40	NP	4.65	4.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/28/00		15.00 - 25.00	6.71	NP	4.34	4.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/00		15.00 - 25.00	6.17	NP	4.88	4.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/01		15.00 - 25.00	5.11	--	5.94	5.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/13/01		15.00 - 25.00	6.65	--	4.40	4.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/29/01		15.00 - 25.00	6.00	--	5.05	5.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/01		15.00 - 25.00	5.33	NP	5.72	5.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/11/02		15.00 - 25.00	5.15	NP	5.90	5.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/05/02		15.00 - 25.00	5.90	NP	5.15	5.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/08/10		15.00 - 25.00	4.56	--	6.49	6.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/10/10		15.00 - 25.00	4.79	NP	6.26	6.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/16/10		15.00 - 25.00	5.03	NP	6.02	6.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/04/10		15.00 - 25.00	5.57	NP	5.48	5.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/11		15.00 - 25.00	5.24	NP	5.81	5.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/11/11		15.00 - 25.00	4.71	NP	6.34	6.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/25/11		15.00 - 25.00	5.05	NP	6.00	6.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/06/11		15.00 - 25.00	5.49	NP	5.56	5.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/12		15.00 - 25.00	4.74	--	6.31	6.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/24/12		15.00 - 25.00	5.61	NP	5.44	5.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/04/13		15.00 - 25.00	5.35	NP	5.70	5.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/27/13		15.00 - 25.00	5.74	NP	5.31	5.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/04/14		15.00 - 25.00	5.24	NP	5.81	5.81	<24	<20	<0.20	<0.20	<0.20	<0.46	**4.3**	<0.20	<0.20	<0.50	<4.0	<0.20	<2.4	--

Table 1

Groundwater Elevation, Separate Phase Hydrocarbon, and TPH/BTEX Analytical Data

725 Julie Ann Way, Oakland, California

Well Number	Date Gauged	Well Elevation (feet)	Screen Interval (feet bgs)	Depth To Water (feet, TOC)	SPH Thickness (ft.)	Groundwater Elevation (feet, MSL)	LNAPL Corrected Groundwater Elevation (feet, MSL)	TPH as Diesel (µg/L)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Ethylene Dichloride (µg/L)	Ethylene Dibromide (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	TCE (µg/L)	Tert-butyl Alcohol (µg/L)	Comments (µg/L)
MW-7	02/20/97	10.84	10.00 - 35.00	5.70	NP	5.14	5.14	**1,500,000**	**15,000**	**81**	**51**	<50	<50	--	--	--	--	--	--	--	--
	05/28/97		10.00 - 35.00	5.46	NP	5.38	5.38	**440,000**	**390,000**	<1,000	<1,000	<1,000	<1,000	--	--	--	--	--	--	--	--
	09/19/97		10.00 - 35.00	5.91	0.30	4.93	5.15	**910,000**	**3,600**	**110**	**64**	**37**	<100	<300	--	--	--	--	--	--	--
	11/17/97		10.00 - 35.00	5.59	0.34	5.25	5.50	**18,000,000**	**15,000**	**110**	**41** [C]	12 [C]	**110** [C]	<50 [C]	--	--	--	--	--	--	--
	02/27/98		10.00 - 35.00	4.68	0.58	6.16	6.58	**290,000**	**45,000**	**80**	**60**	<50	<200	<500	--	--	--	--	--	--	--
	05/27/98		10.00 - 35.00	5.17	0.56	5.67	6.08	**1,600**	**140**	**2.3**	**0.9**	**0.9**	**3**	<5.0	--	--	--	--	--	--	--
	10/01/98		10.00 - 35.00	5.80	0.27	5.04	5.24	**89,000**	**710**	**39**	**2.4**	**11**	**31**	<10	--	--	--	--	--	--	--
	12/22/98		10.00 - 35.00	5.78	0.04	5.06	5.09	**240,000**	**3,900**	**51**	<25	<25	<50	<250	--	--	--	--	--	--	--
	12/28/99		10.00 - 35.00	7.72	PP	3.12	3.12	**300,000**	**2,300**	**51**	**5.3**	**13**	**27**	<5.0	--	--	--	--	--	--	--
	03/14/00		10.00 - 35.00	4.50	0.20	6.34	6.49	**640,000**	**620**	**31**	**5.3**	**9.9**	**31**	--	--	--	--	--	--	--	--
	06/28/00		10.00 - 35.00	5.51	0.15	5.33	5.44	**2,900,000**	**3,200** [K]	**15**	<2.5	**3.2**	**30**	<25	--	--	--	--	--	--	--
	09/14/00		10.00 - 35.00	5.93	PP	4.91	4.91	**15,000,000**	**1,900**	**11**	<2.5	**10**	**39**	<5.0	--	--	--	--	--	--	--
	12/11/00		10.00 - 35.00	5.72	PP	5.12	5.12	**340,000**	**4,500**	**5**	<2.5	<2.5	17	<25	--	--	--	--	--	--	--
	03/14/01		10.00 - 35.00	4.58	PP	6.26	6.26	**170,000**	**8,000**	**5**	<2.5	<2.5	<2.5	<25	--	--	--	--	--	--	--
	06/13/01		10.00 - 35.00	5.18	--	5.66	5.66	**19,000**	100	0.99	ND	ND	ND	**6.2**	--	--	--	--	--	--	--
	08/29/01		10.00 - 35.00	5.53	--	5.31	5.31	**27,000**	**120**	**3.9**	ND	ND	ND	**5.0**	--	--	--	--	--	--	--
	12/12/01		10.00 - 35.00	4.73	Sheen	6.11	6.11	**6,900**	**610**	**0.5**	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	04/11/02		10.00 - 35.00	4.68	NP	6.16	6.16	**2,600**	**110**	**0.5**	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	12/05/02		10.00 - 35.00	5.25	NP	5.59	5.59	**9,100**	**290**	**0.5**	<0.50	<0.50	<0.50	**5.7**	--	--	--	--	--	--	--
	04/22/09		10.00 - 35.00	4.58	--	6.26	6.26	**1,900**	**56**	<0.50	<0.50	<0.50	<1.0	**3.4**	<0.50	<0.50	<2.0	--	--	--	--
	Well MW-7 abandoned on January 11, 2010 and replaced with well MW-7R on January 12, 2010.																				
MW-7R	02/08/10	10.84	3.50 - 20.00	4.28	--	6.56	6.56	**560**	**52** [K]	**0.63**	<0.50	<0.50	<0.50	**2.4**	<0.50	<0.50	<0.50	--	--	--	--
	05/10/10		3.50 - 20.00	4.55	NP	6.29	6.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/16/10		3.50 - 20.00	4.82	NP	6.02	6.02	**12,000**	**4,000** [K]	**2.6**	<50	**0.8**	**6.9**	**2.5**	<50	<50	<50	--	--	--	--
	10/04/10		3.50 - 20.00	5.42	NP	5.42	5.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/11		3.50 - 20.00	4.98	NP; 9 ft	5.86	5.86	**690**	**60** [K]	<0.50	<0.50	<0.50	<0.50	**1.9**	<0.50	<0.50	<0.50	--	--	--	--
	02/03/11				18 ft sample			**430**	**59** [K]	<0.50	<0.50	<0.50	<0.50	**2.0**	<0.50	<0.50	<0.50	--	--	--	--
	02/03/11				std			**1,200**	**120** [K]	<0.50	<0.50	<0.50	<0.50	**2.0**	<0.50	<0.50	<0.50	--	--	--	--
	04/11/11		3.50 - 20.00	4.63	NP	6.21	6.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/25/11		3.50 - 20.00	4.78	NP	6.06	6.06	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.9**	<0.50	<0.50	<0.50	--	--	--	--
	12/06/11		3.50 - 20.00	5.28	NP	5.56	5.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/12		3.50 - 20.00	4.32	--	6.52	6.52	**2,800**	**320** [K]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	--	--	--	--
	09/24/12		3.50 - 20.00	5.44	NP	5.40	5.40	**1,200** [K]	**110** [K]	**1.2**	<0.50	<0.50	<0.50	**1.8**	<0.50	<0.50	<2.0	--	--	--	--
	03/04/13		3.50 - 20.00	5.19	NP	5.65	5.65	**4,000**	**55**	<0.50	<0.50	<0.50	<0.50	**1.9**	<0.50	<0.50	<2.0	--	--	--	--
	09/27/13		3.50 - 20.00	5.45	NP	5.39	5.39	**860**	**74** [K]	**0.8**	<0.50	<0.50	<0.50	**1.9**	<0.50	<0.50	<2.0	--	--	--	--
	06/04/14		3.50 - 20.00	5.05	NP	5.79	5.79	**2,200**	**63.8**	**0.64** J	<0.20	<0.20	<0.46	<0.20	<0.20	<0.20	<0.50	<4.0	<0.20	<2.4	cis-1,2-DCE = 0.22 J

Table 1
Groundwater Elevation, Separate Phase Hydrocarbon, and TPH/BTEX Analytical Data
725 Julie Ann Way, Oakland, California

Well Number	Date Gauged	Well Elevation (feet)	Screen Interval (feet bgs)	Depth To Water (feet, TOC)	SPH Thickness (ft.)	Groundwater Elevation (feet, MSL)	LNAPL Corrected Groundwater Elevation (feet, MSL)	TPH as Diesel (µg/L)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Ethylene Dichloride (µg/L)	Ethylene Dibromide (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	TCE (µg/L)	Tert-butyl Alcohol (µg/L)	Comments (µg/L)
MW-8	02/20/97	10.75	10.00 - 28.00	5.10	NP	5.65	5.65	**2,500**	**340** [Q]	**2.1**	**53**	**7.1**	**94**	--	--	--	--	--	--	--	--
	05/28/97		10.00 - 28.00	5.68	NP	5.07	5.07	**200** [D,S]	**480** [Q]	**2.5**	**12**	<2.5	**76**	--	--	--	--	--	--	--	--
	09/19/97		10.00 - 28.00	5.95	NP	4.80	4.80	**7,000**	**1,000**	**0.8**	**5**	**0.5**	**130**	<5	--	--	--	--	--	--	--
	11/17/97		10.00 - 28.00	5.91	NP	4.84	4.84	**520**	**250**	**1.4**	**2.1**	**0.7**	**3**	<5	--	--	--	--	--	--	--
	02/27/98		10.00 - 28.00	4.50	NP	6.25	6.25	**150**	<50	<0.5	<0.5	<0.5	<2	<5	--	--	--	--	--	--	--
	05/27/98		10.00 - 28.00	6.10	NP	4.65	4.65	**70**	<50	<0.5	<0.5	<0.5	<2	<5	--	--	--	--	--	--	--
	10/01/98		10.00 - 28.00	6.13	NP	4.62	4.62	**440** [I]	<50	<0.5	<0.5	<0.5	<1	<5	--	--	--	--	--	--	--
	12/22/98		10.00 - 28.00	6.10	NP	4.65	4.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/99		10.00 - 28.00	6.30	NP	4.45	4.45	**130**	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	03/14/00		10.00 - 28.00	5.01	0.10	5.74	10.65	**170**	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	06/28/00		10.00 - 28.00	5.47	NP	5.28	5.28	**300** [I]	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	09/14/00		10.00 - 28.00	5.99	Sheen	4.76	4.76	**310**	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	12/11/00		10.00 - 28.00	5.84	NP	4.91	4.91	**15,000**	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	03/14/01		10.00 - 28.00	4.90	PP	5.85	5.85	**130**	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	06/13/01		10.00 - 28.00	5.40	--	5.35	5.35	**100**	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
	08/29/01		10.00 - 28.00	5.80	--	4.95	4.95	**160** [I]	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
	12/12/01		10.00 - 28.00	5.05	NP	5.70	5.70	**97** [I]	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	04/11/02		10.00 - 28.00	4.95	NP	5.80	5.80	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	12/05/02		10.00 - 28.00	5.42	NP	5.33	5.33	**97**	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	04/22/09		10.00 - 28.00	4.94	--	5.81	5.81	<50	<50	<0.50	<0.50	<0.50	<1.0	**2.9**	<0.50	<0.50	<0.50	--	--	--	--
	02/08/10		10.00 - 28.00	4.31	--	6.44	6.44	**360** [K]	<50	<0.50	<0.50	<0.50	<0.50	**1.7**	<0.50	<0.50	<0.50	--	--	--	--
	05/10/10		10.00 - 28.00	4.54	NP	6.21	6.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/16/10		10.00 - 28.00	4.80	NP	5.95	5.95	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.6**	<0.50	<0.50	<0.50	--	--	--	--
	10/04/10		10.00 - 28.00	5.38	NP	5.37	5.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/11		10.00 - 28.00	5.93	NP	4.82	4.82	**62** [K]	<50	<0.50	<0.50	<0.50	<0.50	**0.8**	<0.50	<0.50	<0.50	--	--	--	--
	04/11/11		10.00 - 28.00	4.45	NP	6.30	6.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/25/11		10.00 - 28.00	4.81	NP	5.94	5.94	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.1**	<0.50	<0.50	<0.50	--	--	--	--
	12/06/11		10.00 - 28.00	5.32	NP	5.43	5.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/12		10.00 - 28.00	4.46	--	6.29	6.29	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.3**	<0.50	<0.50	<2.0	--	--	--	--
	09/24/12		10.00 - 28.00	5.55	NP	5.20	5.20	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.6**	<0.50	<0.50	<2.0	--	--	--	--
	03/04/13		10.00 - 28.00	5.09	NP	5.66	5.66	<50	<50	<0.50	<0.50	<0.50	<0.50	**0.5**	<0.50	<0.50	<2.0	--	--	--	--
	09/27/13		10.00 - 28.00	5.48	NP	5.27	5.27	<50	<50	<0.50	<0.50	<0.50	<0.50	**1.8**	<0.50	<0.50	<2.0	--	--	--	--
	06/04/14		10.00 - 28.00	5.04	NP	5.71	5.71	**35.7** J	<20	<0.20	<0.20	<0.20	<0.46	**1.3**	<0.20	<0.20	<0.50	<4.0	**0.50 J**	<2.4	**PCE = 1.1**

Table 1

Groundwater Elevation, Separate Phase Hydrocarbon, and TPH/BTEX Analytical Data

725 Julie Ann Way, Oakland, California

Well Number	Date Gauged	Well Elevation (feet)	Screen Interval (feet bgs)	Depth To Water (feet, TOC)	SPH Thickness (ft.)	Groundwater Elevation (feet, MSL)	LNAPL Corrected Groundwater Elevation (feet, MSL)	TPH as Diesel (µg/L)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Ethylene Dichloride (µg/L)	Ethylene Dibromide (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	TCE (µg/L)	Tert-butyl Alcohol (µg/L)	Comments (µg/L)
OW-1	12/28/99	10.75	6.00 - 16.00	5.77	NP	4.98	4.98	**7,700**	**3,400**	**11**	<0.50	<0.50	**2.6**	<5.0	--	--	--	--	--	--	--
	03/15/00		6.00 - 16.00	4.47	Sheen	6.28	6.28	**5,300**	**700**	**1.7**	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	06/29/00		6.00 - 16.00	4.95	NP	5.80	5.80	**1300** [k]	**140** [k]	**4**	<0.50	<0.50	**2.2**	**6.6**	--	--	--	--	--	--	--
	09/14/00		6.00 - 16.00	5.31	Sheen	5.44	5.44	**5,800** [k]	**180**	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	12/11/00		6.00 - 16.00	5.17	NP	5.58	5.58	**230**	**110**	**3.4**	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	03/14/01		6.00 - 16.00	4.54	NP	6.21	6.21	**2,200** [k]	**110**	**4.0**	<0.50	<0.50	**0.5**	<5.0	--	--	--	--	--	--	--
	06/13/01		6.00 - 16.00	4.75	--	6.00	6.00	**1,500** [k]	**120**	**2.5**	ND	ND	ND	ND	--	--	--	--	--	--	--
	08/29/01		6.00 - 16.00	5.01	--	5.74	5.74	**1200** [k]	**130** [k]	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
	12/12/01		6.00 - 16.00	4.80	Sheen	5.95	5.95	**3100** [k]	**76** [k]	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	04/11/02		6.00 - 16.00	4.52	Sheen	6.23	6.23	**3600** [k]	**300** [k]	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	12/05/02		6.00 - 16.00	5.13	NP	5.62	5.62	**490** [k]	**78** [k]	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	04/22/09		6.00 - 16.00	4.19	--	6.56	6.56	**1,600**	**130**	<0.50	<0.50	<0.50	<1.0	**8.9**	<0.50	<0.50	<0.50	--	--	--	--
	02/08/10		6.00 - 16.00	4.20	--	6.55	6.55	**11,000**	<50	<0.50	<0.50	<0.50	<0.50	**5.1**	<0.50	<0.50	<0.50	--	--	--	--
	05/10/10		6.00 - 16.00	4.13	NP	6.62	6.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/16/10		6.00 - 16.00	4.31	NP	6.44	6.44	**85**	**57** [k]	<0.50	<0.50	<0.50	<0.50	**4.3**	<0.50	<0.50	<0.50	--	--	--	--
	10/04/10		6.00 - 16.00	4.64	NP	6.11	6.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/11		6.00 - 16.00	4.45	NP	6.30	6.30	**17,000**	**140** [k]	<0.50	<0.50	<0.50	<0.50	**5.9**	<0.50	<0.50	<0.50	--	--	--	--
	04/11/11		6.00 - 16.00	4.01	NP	6.74	6.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/25/11		6.00 - 16.00	4.21	NP	6.54	6.54	**210**	**70** [k]	<0.50	<0.50	<0.50	<0.50	**10**	<0.50	<0.50	<0.50	--	--	--	--
	12/06/11		6.00 - 16.00	4.55	NP	6.20	6.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/12		6.00 - 16.00	4.55	--	6.20	6.20	**710**	**81** [k]	<0.50	<0.50	<0.50	<0.50	**4.3**	<0.50	<0.50	<2.0	--	--	--	--
	09/24/12		6.00 - 16.00	4.70	NP	6.05	6.05	**1,200** [k]	**140** [k]	<0.50	<0.50	<0.50	<0.50	**3.7**	<0.50	<0.50	<2.0	--	--	--	--
	03/04/13		6.00 - 16.00	4.49	NP	6.26	6.26	**350**	<50	<0.50	<0.50	<0.50	<0.50	**4.7**	<0.50	<0.50	<2.0	--	--	--	--
	09/27/13		6.00 - 16.00	4.76	NP	5.99	5.99	**1,600**	**120** [k]	<0.50	<0.50	<0.50	<0.50	**4.6**	<0.50	<0.50	<2.0	--	--	--	--
	06/04/14		6.00 - 16.00	4.44	NP	6.31	6.31	**1,620**	**25** J	<0.20	<0.20	<0.20	<0.46	**2.3**	<0.20	<0.20 [l]	<0.50	<4.0	<0.20	**15**	--

Table 1
Groundwater Elevation, Separate Phase Hydrocarbon, and TPH/BTEX Analytical Data
725 Julie Ann Way, Oakland, California

Well Number	Date Gauged	Well Elevation (feet)	Screen Interval (feet bgs)	Depth To Water (feet, TOC)	SPH Thickness (ft.)	Groundwater Elevation (feet, MSL)	LNAPL Corrected Groundwater Elevation (feet, MSL)	TPH as Diesel (µg/L)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Ethylene Dichloride (µg/L)	Ethylene Dibromide (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	TCE (µg/L)	Tert-butyl Alcohol (µg/L)	Comments (µg/L)
OW-2	12/28/99	11.03	6.00 - 16.00	6.08	NP	4.95	4.95	**3,300**	**770**	**36**	<0.50	<0.50	**1.7**	**16**	--	--	--	--	--	--	--
	03/15/00		6.00 - 16.00	4.76	Sheen	6.27	6.27	**1,100**	**350**	**24**	<0.50	<0.50	<0.50	**9.3**	--	--	--	--	--	--	--
	06/29/00		6.00 - 16.00	5.15	NP	5.88	5.88	**850**	**160**	**7.4**	<0.50	<0.50	<0.50	**13**	--	--	--	--	--	--	--
	09/14/00		6.00 - 16.00	5.60	Sheen	5.43	5.43	**6,300**	**590**	**26**	0.79	<0.50	**1.7**	**17**	--	--	--	--	--	--	--
	12/11/00		6.00 - 16.00	5.45	NP	5.58	5.58	**320**	**210**	**6.6**	<0.50	<0.50	<0.50	**7.4**	--	--	--	--	--	--	--
	03/14/01		6.00 - 16.00	4.77	NP	6.26	6.26	**960**	**320**	**5.6**	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
	06/13/01		6.00 - 16.00	5.01	--	6.02	6.02	**900**	**250**	**2.9**	ND	ND	ND	**10**	--	--	--	--	--	--	--
	08/29/01		6.00 - 16.00	5.31	--	5.72	5.72	**1,400**	**270**	**5.3**	ND	ND	ND	ND	--	--	--	--	--	--	--
	12/12/01		6.00 - 16.00	5.10	Sheen	5.93	5.93	**4,100**	**280**	**14**	<0.50	<0.50	<0.50	**11**	--	--	--	--	--	--	--
	04/11/02		6.00 - 16.00	4.83	Sheen	6.20	6.20	**4,100**	**820**	**6.4**	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	12/05/02		6.00 - 16.00	5.42	NP	5.61	5.61	**500**	**230**	**0.5**	<0.50	<0.50	<0.50	**5.6**	--	--	--	--	--	--	--
	04/22/09		6.00 - 16.00	4.52	--	6.51	6.51	**2,100**	**210**	<0.50	<0.50	<0.50	<1.0	**6.8**	<0.50	<0.50	<0.50	--	--	--	--
	02/08/10		6.00 - 16.00	4.41	--	6.62	6.62	**10,000**	**140** (k)	<0.50	<0.50	<0.50	<0.50	**4.9**	<0.50	<0.50	<0.50	--	--	--	--
	05/10/10		6.00 - 16.00	4.49	NP	6.54	6.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/16/10		6.00 - 16.00	4.47	NP	6.56	6.56	**2,000**	**210** (k)	<0.50	<0.50	<0.50	<0.50	**5.7**	<0.50	<0.50	<0.50	--	--	--	--
	10/04/10		6.00 - 16.00	4.93	NP	6.10	6.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/03/11		6.00 - 16.00	4.65	NP	6.38	6.38	**2,200**	**260** (k)	<0.50	<0.50	<0.50	<0.50	**6.2**	<0.50	<0.50	<0.50	--	--	--	--
	04/11/11		6.00 - 16.00	4.28	NP	6.75	6.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/25/11		6.00 - 16.00	4.51	NP	6.52	6.52	**250**	**170** (k)	<0.50	<0.50	<0.50	<0.50	**9.9**	<0.50	<0.50	<0.50	--	--	--	--
	12/06/11		6.00 - 16.00	4.85	NP	6.18	6.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/12		6.00 - 16.00	4.58	--	6.45	6.45	**680**	**56** (k)	<0.50	<0.50	<0.50	<0.50	**6.0**	<0.50	<0.50	<2.0	--	--	--	--
	09/24/12		6.00 - 16.00	5.00	NP	6.03	6.03	**1,900** (k)	**380** (k)	<0.50	<0.50	<0.50	<0.50	**10**	<0.50	<0.50	<2.0	--	--	--	--
	03/04/13		6.00 - 16.00	4.83	NP	6.20	6.20	**1,300**	**110** (k)	<0.50	<0.50	<0.50	<0.50	**8.1**	<0.50	<0.50	<2.0	--	--	--	--
	09/27/13		6.00 - 16.00	5.04	NP	5.99	5.99	**660**	**280** (k)	<0.50	<0.50	<0.50	<0.50	**12**	<0.50	<0.50	<2.0	--	--	--	--
	06/04/14		6.00 - 16.00	4.75	NP	6.28	6.28	**1,810**	**63.7**	<0.20	<0.20	<0.20	<0.46	**5.1**	<0.20	<0.20 (l)	<0.50	**8.9 J**	<0.20	**11.3**	**tert-butylbenzene = 0.49 J**

Notes:

µg/L - micrograms per liter
TPHd - Total Petroleum Hydrocarbons as diesel
TPHg - Total Petroleum Hydrocarbons as gasoline
MTBE - Methyl tert butyl ether
NP - No Product
PP - Product Present (measurement not recorded)
ND - Not detected at or above the laboratory detection limit
-- - Not sampled
PCE - Tetrachloroethylene
< - Indicates constituent not detected at or above specified reporting limit
std - standard three volume purge
NM - Not monitored
Bold text indicates that the value was detected above the laboratory reporting limit

Ethylene dichloride reported as 1,2-Dichloroethane
Ethylene dibromide reported as 1,2-Dibromoethane
cis-1,2-DCE - cis-1,2-dichloroethene

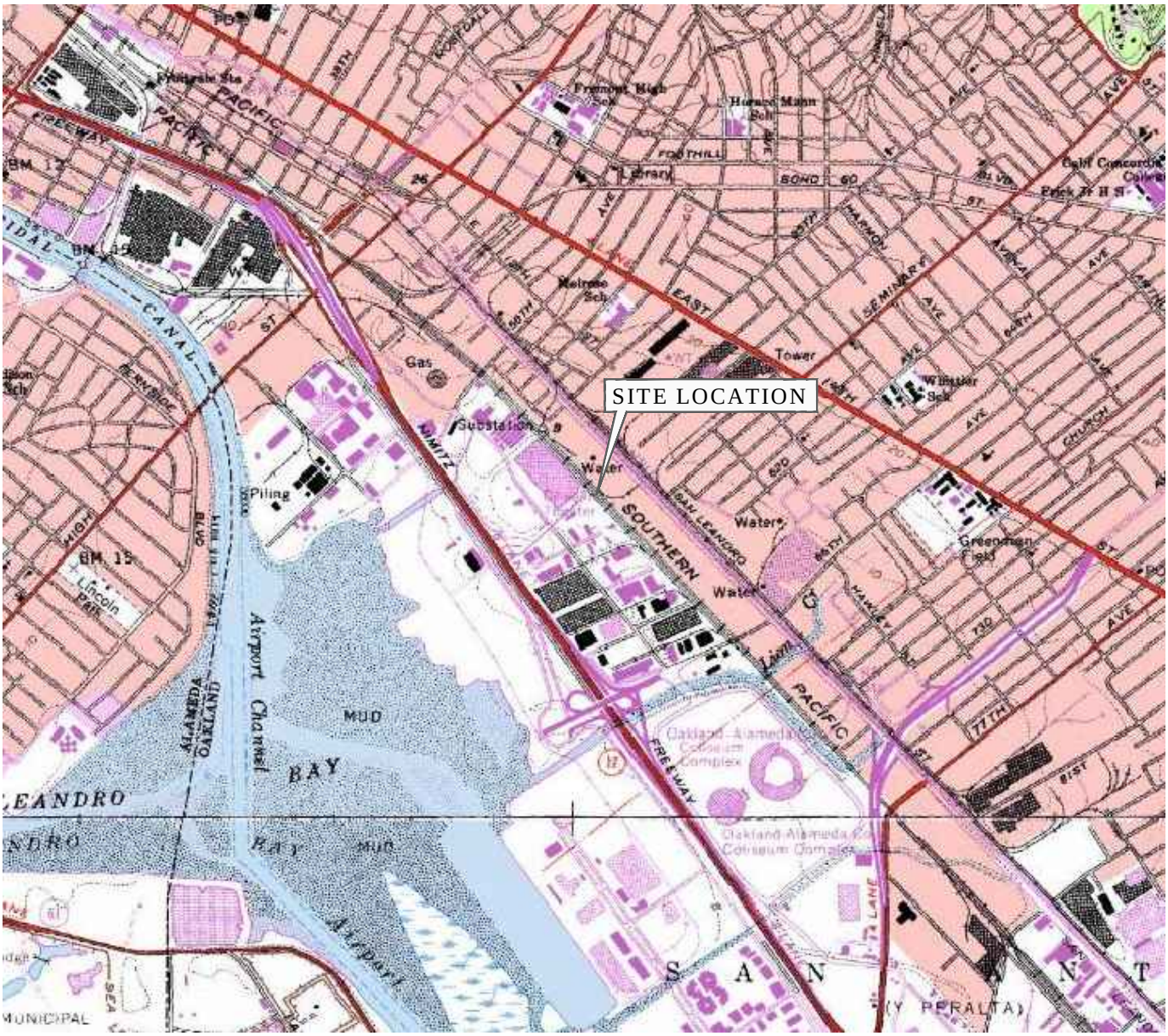
(a) - Laboratory reports that chromatogram indicates gasoline and unidentified hydrocarbons >C8.
(c) - Laboratory reports reporting limits for diesel and gas/BTEX elevated due to high levels of target compound. Samples run at dilution.
(d) - Laboratory reports the peak pattern present in this sample represents an unknown mixture atypical of gasoline in the range of n-C09 to greater than n-C12. Quantitation is based on a gasoline reference in the range of n-C07 to n-C12 only.
(e) - Laboratory reports reporting limit(s) raised due to high level of analyte present in sample.
(f) - Laboratory reports the hydrocarbon pattern present in this sample represents an unknown mixture in the range of n-C09 to n-C36. Quantitation is based on a diesel reference between n-C10 and n-C24 only.
(g) - Laboratory reports that chromatogram indicates diesel and unidentified hydrocarbons >C20.
(h) - Analyzed by USEPA Method 8015, modified.
(i) - Analyzed by USEPA Method 8020.
(j) - Diesel range concentration reported. A nonstandard diesel pattern was observed in the chromatogram.
(k) - Sample exhibits chromatographic pattern that does not resemble standard.
(l) - CCV outside of control limit (biased high); not detected in sample.
J - Indicates an estimated value

Table 2
SVOC Analytical Data
725 Julie Ann Way, Oakland, California

Well Number	Sample Date	Acenaphthene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Fluorene	1-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
MW-1R	06/04/14	**0.51**	<0.034	<0.037	<0.043	**0.052 J**	**1.2**	**5.8**	<0.096	**0.38 J**	**0.058 J**
MW-2	06/04/14	<0.048	<0.034	<0.037	<0.043	<0.048	<0.048	<0.096	<0.096	<0.048	<0.048
MW-3	06/04/14	<0.048	<0.033	<0.037	<0.043	<0.048	<0.048	<0.095	<0.095	<0.048	<0.048
MW-4	06/04/14	**0.13 J**	<0.034	<0.037	<0.043	<0.048	**0.11 J**	<0.096	<0.096	<0.048	**0.069 J**
MW-5	06/04/14	<0.048	**0.043 J**	<0.037	<0.043	<0.048	<0.048	<0.096	<0.096	<0.048	<0.048
MW-6	06/04/14	<0.048	<0.033	<0.037	<0.043	<0.048	<0.048	<0.095	<0.095	<0.048	<0.048
MW-7R	06/04/14	<0.048	<0.034	<0.037	**0.053 J**	<0.048	<0.048	**0.12 J**	<0.096	<0.048	**0.18 J**
MW-8	06/04/14	<0.048	<0.034	<0.037	<0.043	**0.065 J**	<0.048	<0.096	<0.096	<0.048	**0.054 J**
OW-1	06/04/14	**0.12 J**	<0.034	<0.037	<0.043	<0.048	<0.048	<0.096	<0.096	<0.048	<0.048
OW-2	06/04/14	**0.11 J**	**0.046 J**	**0.040 J**	**0.050 J**	**0.12 J**	<0.048	**0.13 J**	<0.096	<0.048	**0.10 J**

Notes: All results are reported in imicrograms per liter (ug/L).
< - Indicates constituent not detected at or above specified reporting limit
J - Indicates an estimated value
Bold text indicates that the value was detected above the laboratory reporting limit

FIGURES



CALIFORNIA

1 1/2 0 1

SCALE IN MILE

1000 0 1000 2000 3000 4000 5000 6000 7000

SCALE IN FEET

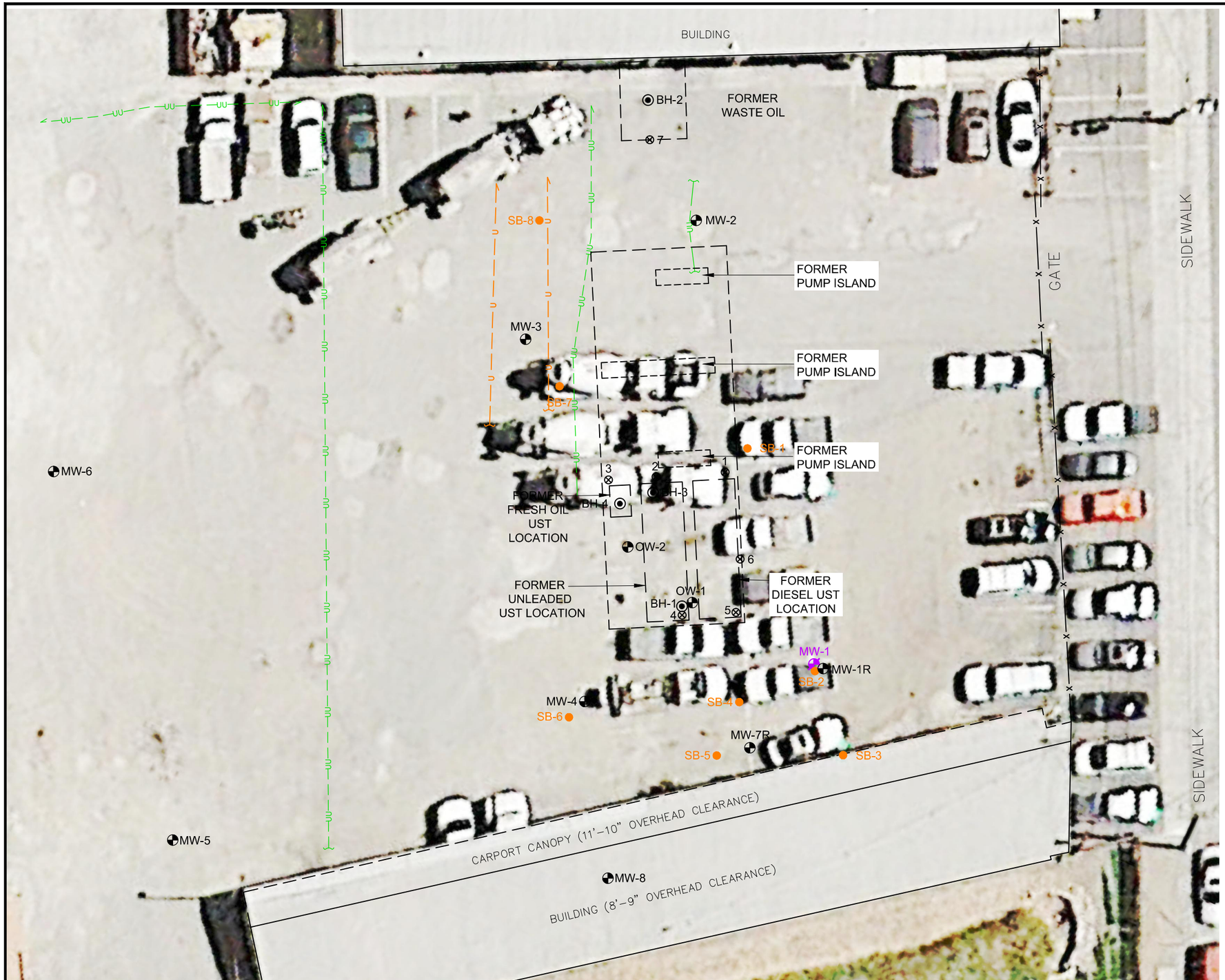
Image courtesy of the U.S. Geological Survey and Microsoft TerraService OpenGIS Map Server

Stantec

1340 Treat Boulevard, Suite 300
Walnut Creek, CA 94597
PHONE: (925) 941-1400 FAX: (925) 941-1401

FOR:		SITE LOCATION MAP		FIGURE:
PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA				1
JOB NUMBER: 185702858.200.0001	DRAWN BY: RRR/STA	CHECKED BY: EH	APPROVED BY: EH/GH/AM	DATE: 09/19/14

FILEPATH:M:\PENSKE\PENSKE OAKLAND\FIG 1_SITE LOCATION MAP.dwg|saguinaldo|Sep 19, 2014 at 8:44|Layout: 8-5X11



LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- EXISTING MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL BORING LOCATION (2009)
- SOIL SAMPLE LOCATION (1989)
- SOIL BORING LOCATION (1990 & 1994)

N

0 20 40

APPROXIMATE SCALE IN FEET

REFERENCE:

UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL CONSULTANTS INC.
PLATE 1; DECEMBER 2008; BY G. RANDALL; JOB # 008-903.05

ALL SITE FEATURES AND WELL LOCATIONS, EXCEPT THE FORMER USTs, SURVEYED BY MID COAST ENGINEERS FEBRUARY AND APRIL 2011 JOB#10018X DATED APRIL 27, 2011;
TITLED "MONITORING WELL LOCATION MAP FOR PENSKE"
SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88

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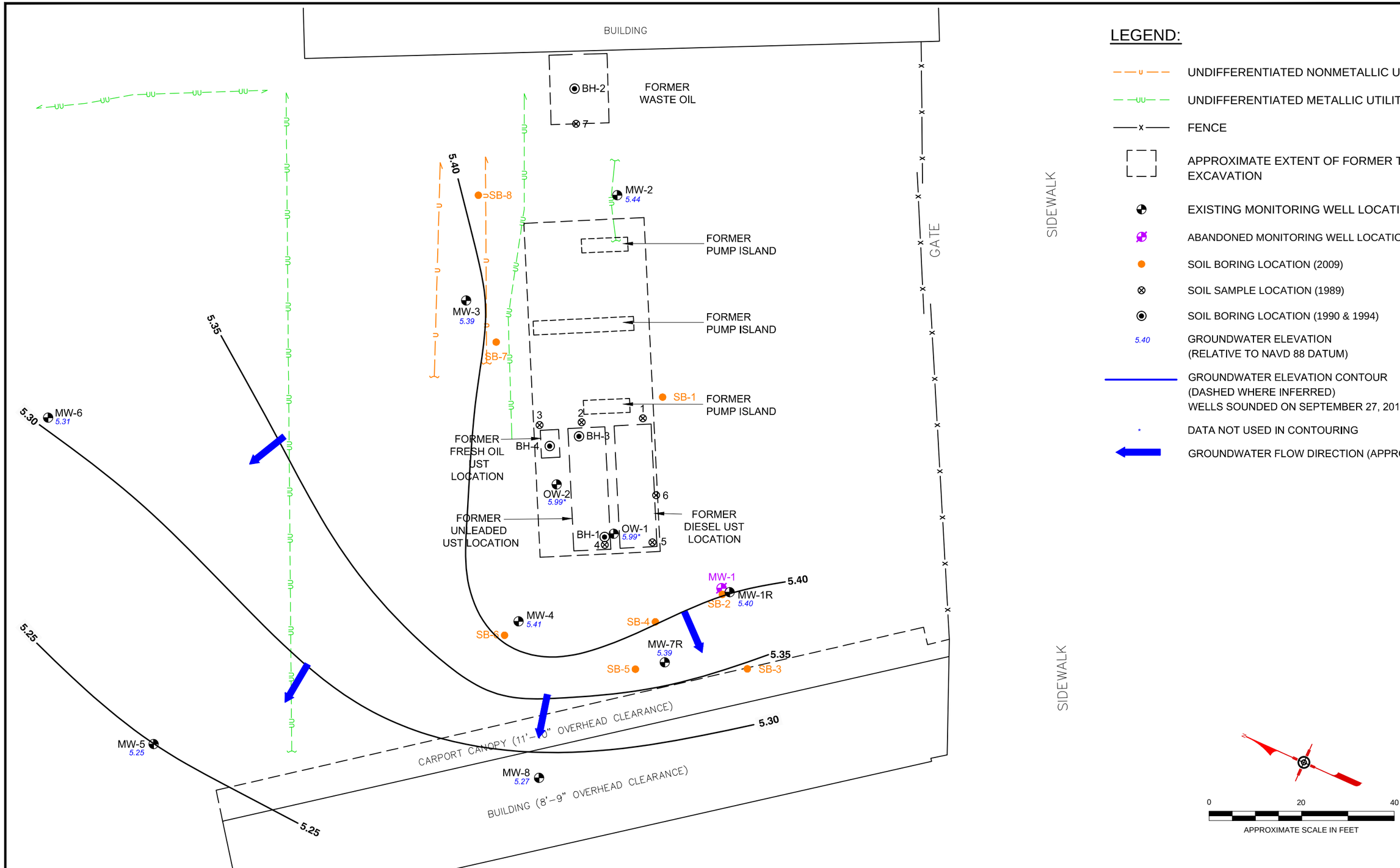
Walnut Creek, CA 94597
PHONE:(925) 941-1400 FAX:(925) 941-1401

FOR:		FIGURE:
PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA	SITE PLAN	2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702858.200.0001	RRR/STA	EH	EH	09/19/14

FILEPATH:M:\PENSKE\PENSKE OAKLAND\09-19-2014\Penske-185702858.200.0002-F2_F3_F4.DWG|saguinaldo|Sep 30, 2014 at 21:43|Layout: F2



LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- EXISTING MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL BORING LOCATION (2009)
- SOIL SAMPLE LOCATION (1989)
- SOIL BORING LOCATION (1990 & 1994)
- 5.40 GROUNDWATER ELEVATION (RELATIVE TO NAVD 88 DATUM)
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) WELLS SOUNDED ON SEPTEMBER 27, 2013
- * DATA NOT USED IN CONTOURING
- GROUNDWATER FLOW DIRECTION (APPROXIMATE)

0 20 40

APPROXIMATE SCALE IN FEET

REFERENCE:

UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL CONSULTANTS INC.
PLATE 1; DECEMBER 2008; BY G. RANDALL; JOB # 008-903.05

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TITLED "MONITORING WELL LOCATION MAP FOR PENSKE"
SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88

Stantec
1340 Treat Boulevard, Suite 300
Walnut Creek, CA 94597
PHONE:(925) 941-1400 FAX:(925) 941-1401

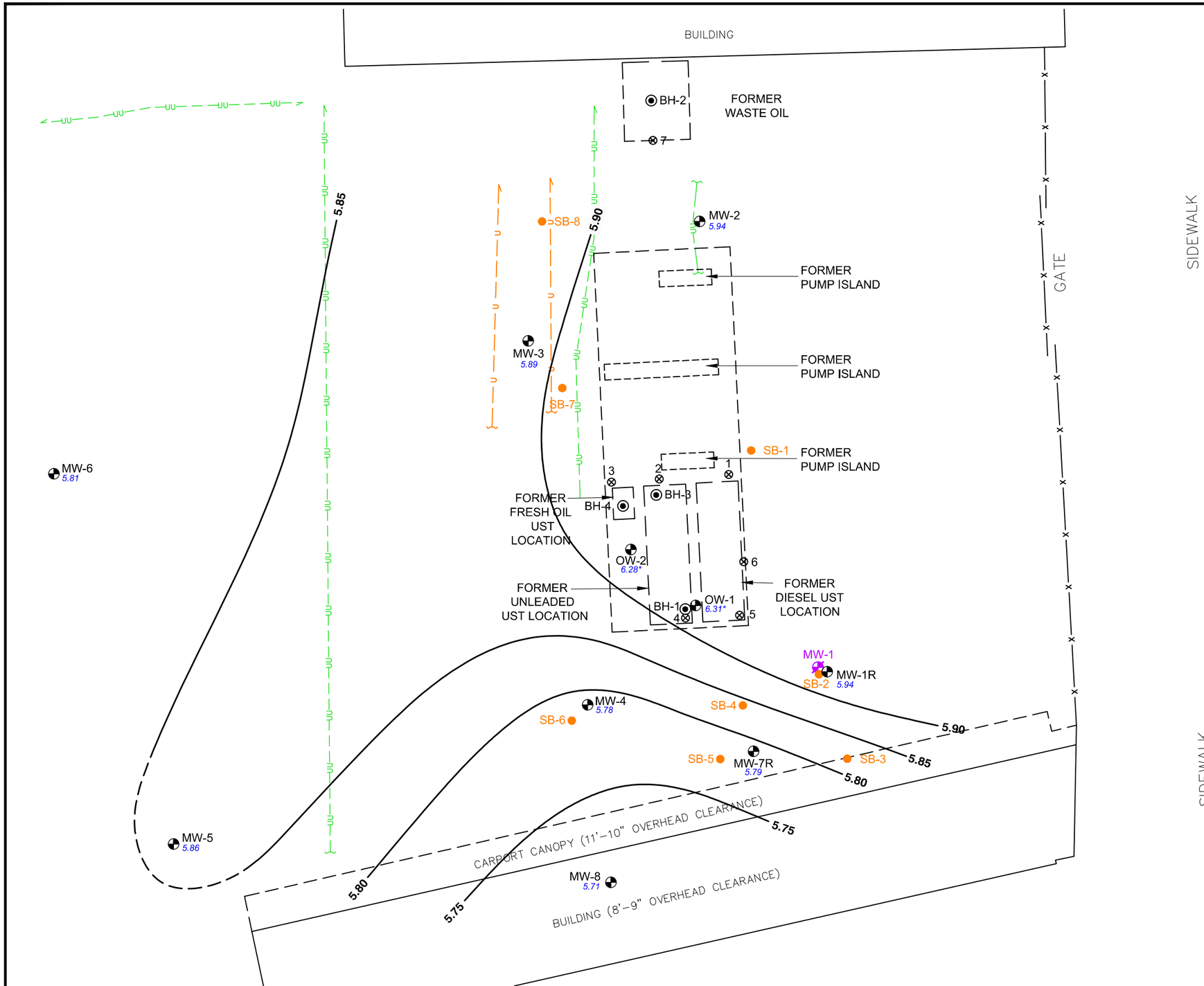
FOR:
PENSKE 725
JULIE ANN WAY
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION
SURFACE CONTOUR MAP
SEPTEMBER 2013

FIGURE: 3

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702858.200.0001	RRR/STA	EH	EH	09/19/14

FILEPATH:M:\PENSKE\PENSKE OAKLAND\09-19-2014\FIG 3_Penske-185702858.200.0002.dwg|SAguinaldo|Oct 01, 2014 at 8:50|Layout: 11X17 L



LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- EXISTING MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL BORING LOCATION (2009)
- SOIL SAMPLE LOCATION (1989)
- SOIL BORING LOCATION (1990 & 1994)
- 5.94 GROUNDWATER ELEVATION (RELATIVE TO NAVD 88 DATUM)
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) WELLS SOUNDED ON JUNE 9, 2014
- * DATA NOT USED IN CONTOURING
- GROUNDWATER FLOW DIRECTION (APPROXIMATE)

0 20 40

APPROXIMATE SCALE IN FEET

REFERENCE:

UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL CONSULTANTS INC. PLATE 1; DECEMBER 2008; BY G. RANDALL; JOB # 008-903.05

ALL SITE FEATURES AND WELL LOCATIONS, EXCEPT THE FORMER USTs, SURVEYED BY MID COAST ENGINEERS FEBRUARY AND APRIL 2011 JOB#10018X DATED APRIL 27, 2011; TITLED "MONITORING WELL LOCATION MAP FOR PENSKE"
SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88

Stantec
1340 Treat Boulevard, Suite 300
Walnut Creek, CA 94597
PHONE:(925) 941-1400 FAX:(925) 941-1401

FOR: PENSKE 725
JULIE ANN WAY
OAKLAND, CALIFORNIA

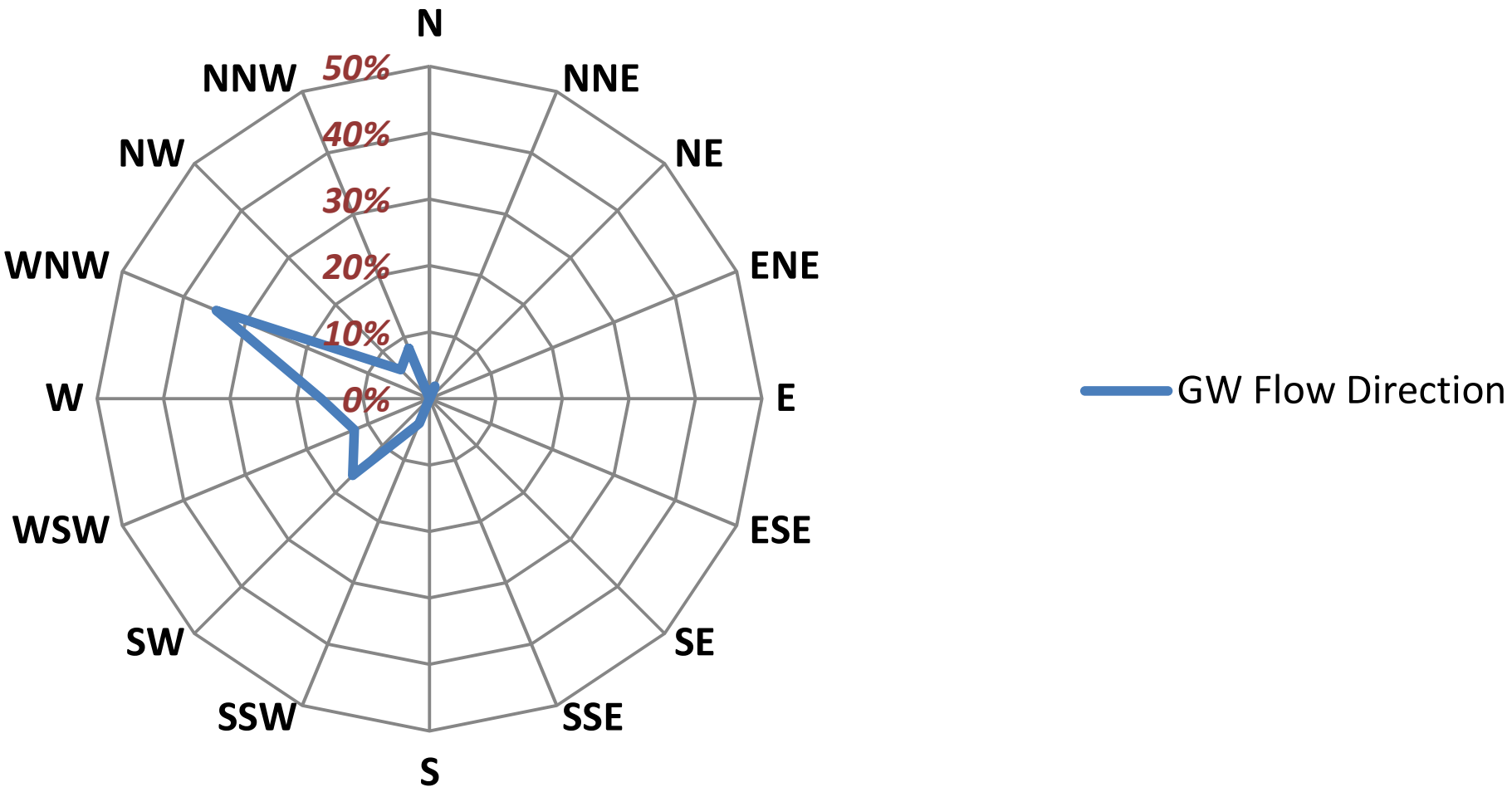
GROUNDWATER ELEVATION
SURFACE CONTOUR MAP
JUNE 2014

FIGURE: 4

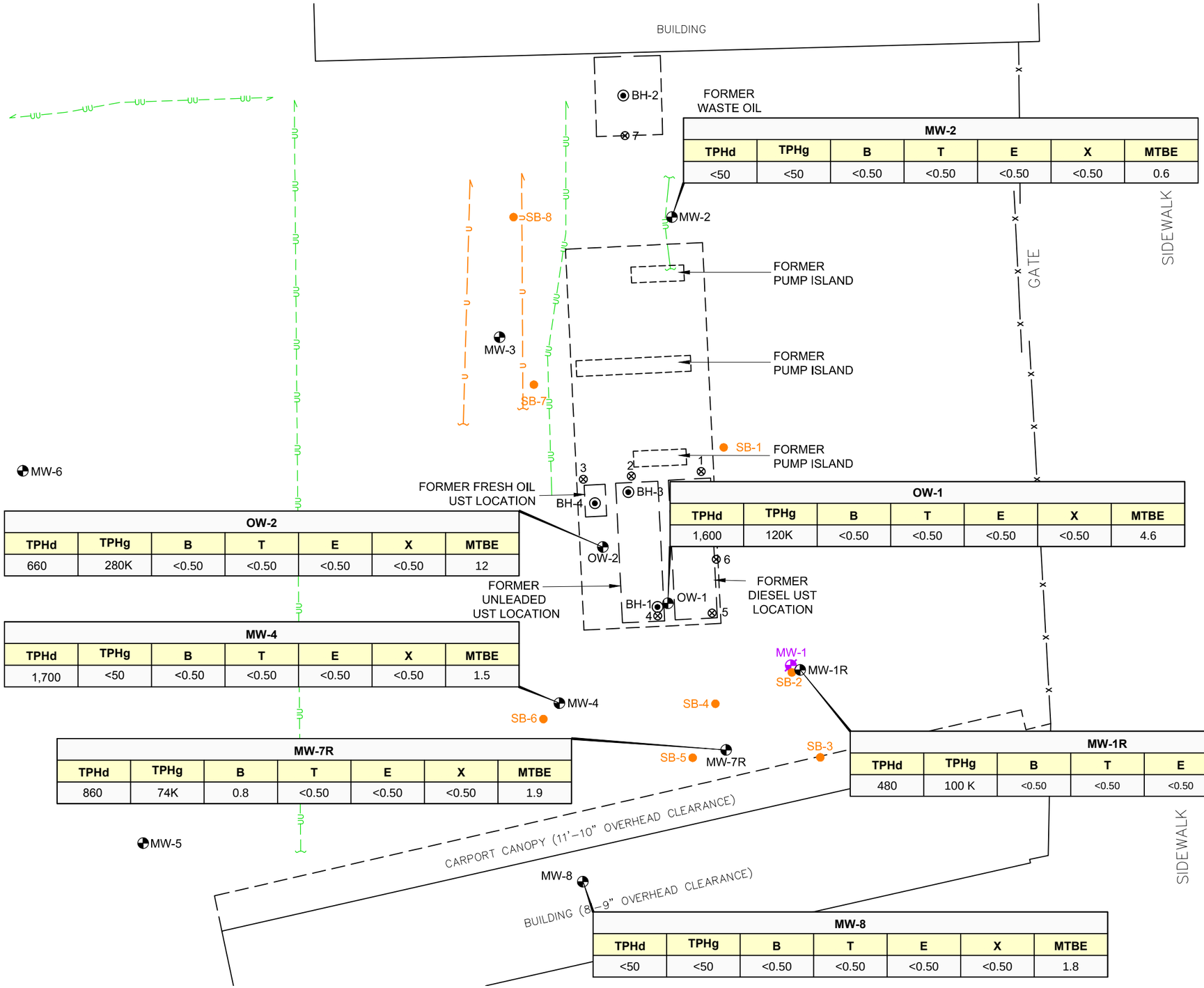
JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702858.200.0001	RRR/STA	EH	EH	09/19/14

FILEPATH:M:\PENSKE\PENSKE OAKLAND\09-19-2014\FIG 4_Penske-185702858.200.0002.dwg|SAguinaldo|Oct 01, 2014 at 9:00|Layout: 11X17 L

Figure 5
Groundwater Flow Directon Rose Diagram
725 Julie Ann Way, Oakland California
1991 to 2014



Stantec



MW-2

TPHd	TPHg	B	T	E	X	MTBE
<50	<50	<0.50	<0.50	<0.50	<0.50	0.6

OW-1

TPHd	TPHg	B	T	E	X	MTBE
1,600	120K	<0.50	<0.50	<0.50	<0.50	4.6

OW-2

TPHd	TPHg	B	T	E	X	MTBE
660	280K	<0.50	<0.50	<0.50	<0.50	12

MW-4

TPHd	TPHg	B	T	E	X	MTBE
1,700	<50	<0.50	<0.50	<0.50	<0.50	1.5

MW-1R

TPHd	TPHg	B	T	E	X	MTBE
480	100 K	<0.50	<0.50	<0.50	<0.50	<0.50

MW-7R

TPHd	TPHg	B	T	E	X	MTBE
860	74K	0.8	<0.50	<0.50	<0.50	1.9

MW-8

TPHd	TPHg	B	T	E	X	MTBE
<50	<50	<0.50	<0.50	<0.50	<0.50	1.8

LEGEND:

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- ABANDONED MONITORING WELL LOCATION
- SOIL BORING LOCATION (2009)
- SOIL SAMPLE LOCATION (1989)
- SOIL BORING LOCATION (1990 & 1994)

ABBREVIATIONS:

TPHd	- Total Petroleum Hydrocarbons as diesel
TPHg	- Total Petroleum Hydrocarbons as gasoline
B	- Benzene
T	- Toluene
E	- Ethylbenzene
X	- Total Xylenes
MTBE	- Methyl tert-butyl ether
NS	- Not Sampled
K	- Sample exhibits chromatographic pattern that does not resemble standard.

NOTE:

1. All results in micrograms per liter (µg/L).
2. Samples collected SEPTEMBER 27, 2013.

0 20 40

APPROXIMATE SCALE IN FEET

REFERENCE:

UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL CONSULTANTS INC.
PLATE 1; DECEMBER 2008; BY G. RANDALL; JOB # 008-903.05

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TITLED "MONITORING WELL LOCATION MAP FOR PENSKE"
SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88

Stantec
1340 Treat Boulevard, Suite 300
Walnut Creek, CA 94597
PHONE:(925) 941-1400 FAX:(925) 941-1401

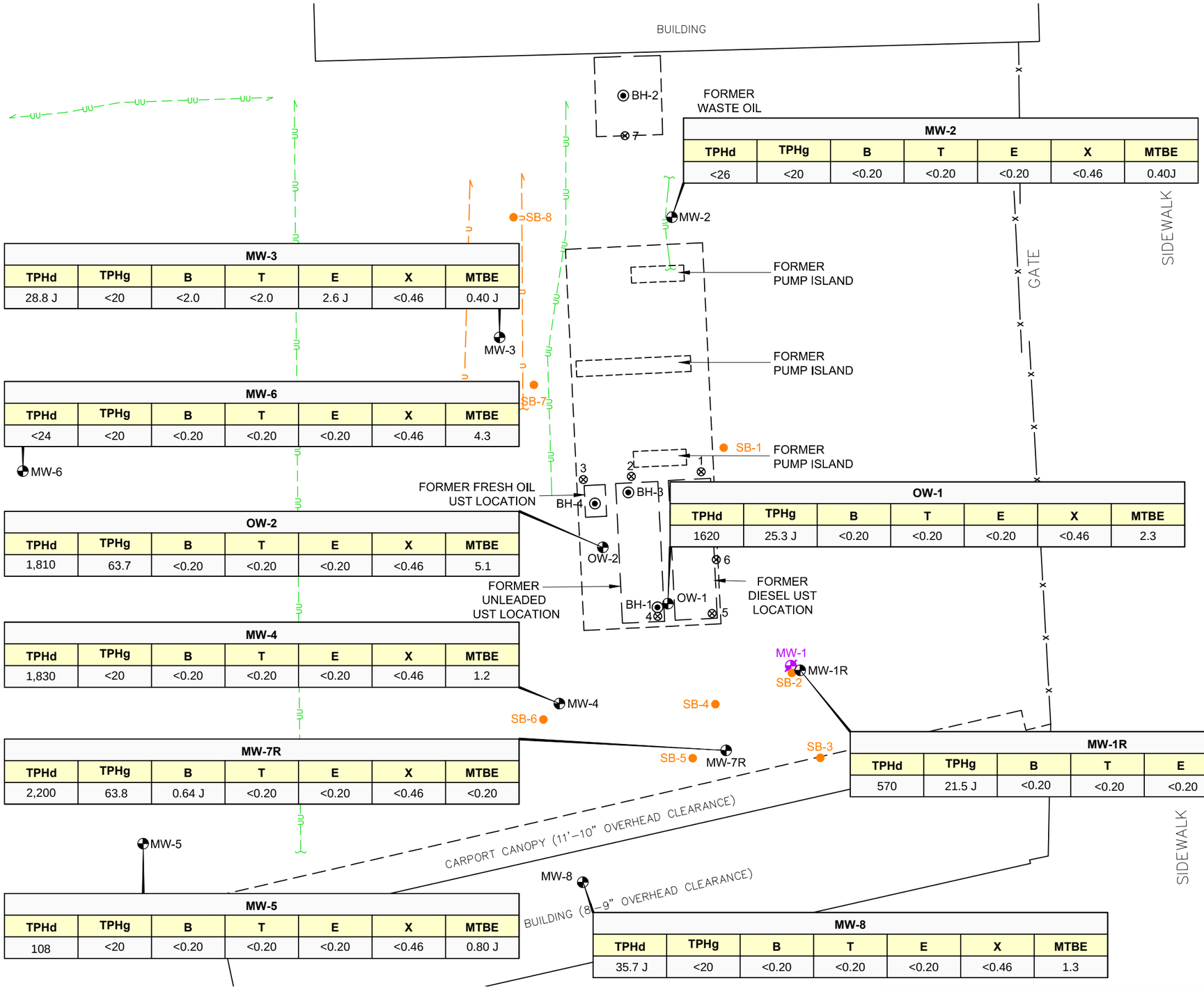
FOR:
PENSKE 725
JULIE ANN WAY
OAKLAND, CALIFORNIA

FUEL HYDROCARBON CONSTITUENTS IN GROUNDWATER SEPTEMBER 2013

FIGURE: 6

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702858.200.0001	RRR/STA	EH	EH	09/19/14

FILEPATH:M:\PENSKE\PENSKE OAKLAND\09-19-2014\FIG 5_Penske-185702858.200.0002.dwg|SAguinaldo|Oct 01, 2014 at 9:55|Layout: 11X17 L



LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- EXISTING MONITORING WELL LOCATION
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ABBREVIATIONS:

TPHd	- Total Petroleum Hydrocarbons as diesel
TPHg	- Total Petroleum Hydrocarbons as gasoline
B	- Benzene
T	- Toluene
E	- Ethylbenzene
X	- Total Xylenes
MTBE	- Methyl tert-butyl ether
NS	- Not Sampled
K	- Sample exhibits chromatographic pattern that does not resemble standard.
J	- Estimated value

NOTE:

1. All results in micrograms per liter (µg/L).
2. Samples collected JUNE 4, 2014.

REFERENCE:

UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL CONSULTANTS INC.
PLATE 1; DECEMBER 2008; BY G. RANDALL; JOB # 008-903.05

ALL SITE FEATURES AND WELL LOCATIONS, EXCEPT THE FORMER USTs, SURVEYED BY MID COAST ENGINEERS FEBRUARY AND APRIL 2011 JOB#10018X DATED APRIL 27, 2011;
TITLED "MONITORING WELL LOCATION MAP FOR PENSKE"
SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88

Stantec
1340 Treat Boulevard, Suite 300
Walnut Creek, CA 94597
PHONE:(925) 941-1400 FAX:(925) 941-1401

FOR:
PENSKE 725
JULIE ANN WAY
OAKLAND, CALIFORNIA

FUEL HYDROCARBON CONSTITUENTS IN GROUNDWATER
JUNE 2014

FIGURE: 7

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702858.200.0001	RRR/STA	EH	EH	09/19/14

FILEPATH:M:\PENSKE\PENSKE OAKLAND\09-19-2014\FIG 6_Penske-185702858.200.0002.dwg|SAguinaldo|Oct 01, 2014 at 9:53|Layout: 11X17 L

FIGURE 8
TPHd versus Time
725 Julie Ann Way, Oakland, CA

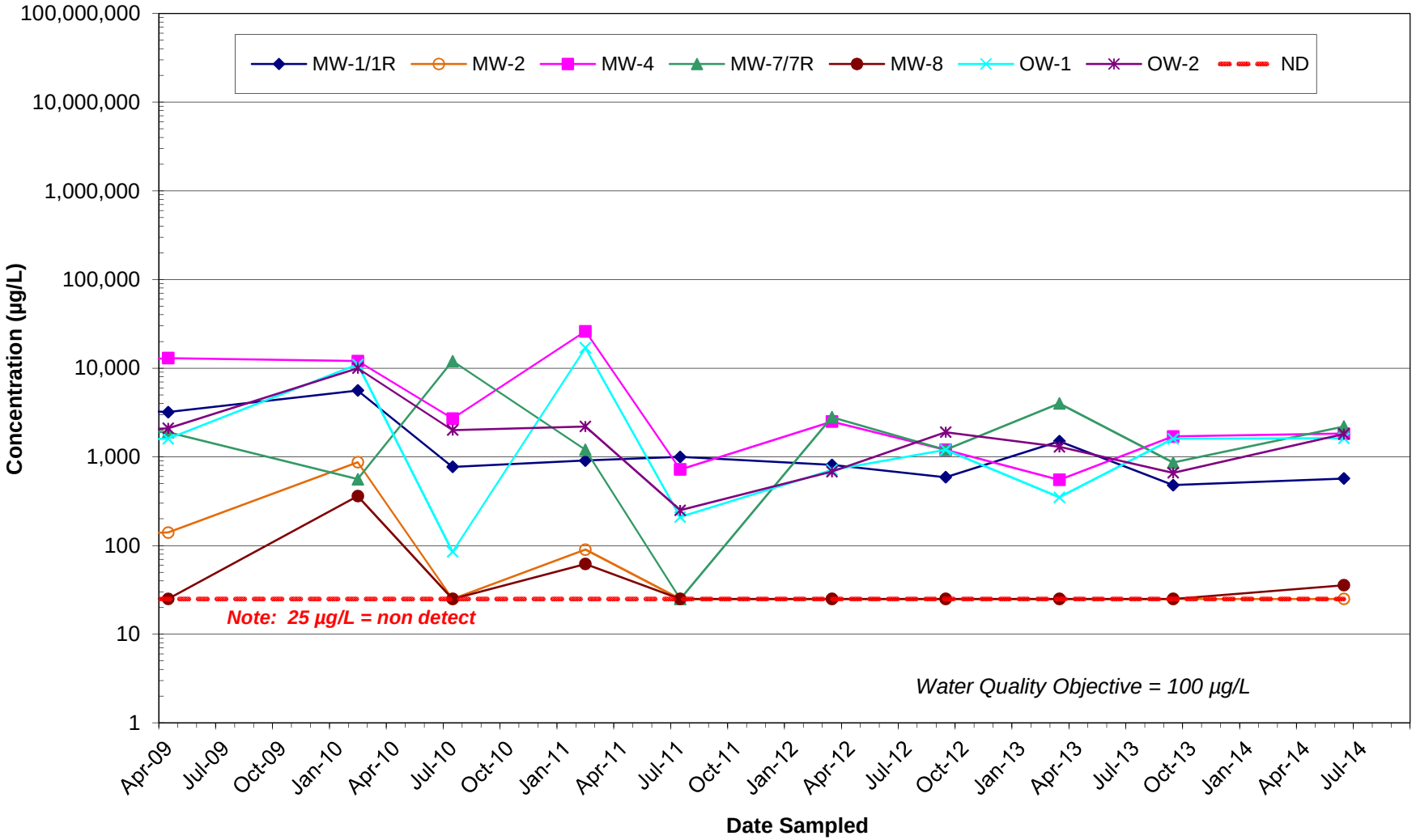


FIGURE 9
TPHg versus Time
725 Julie Ann Way, Oakland, CA

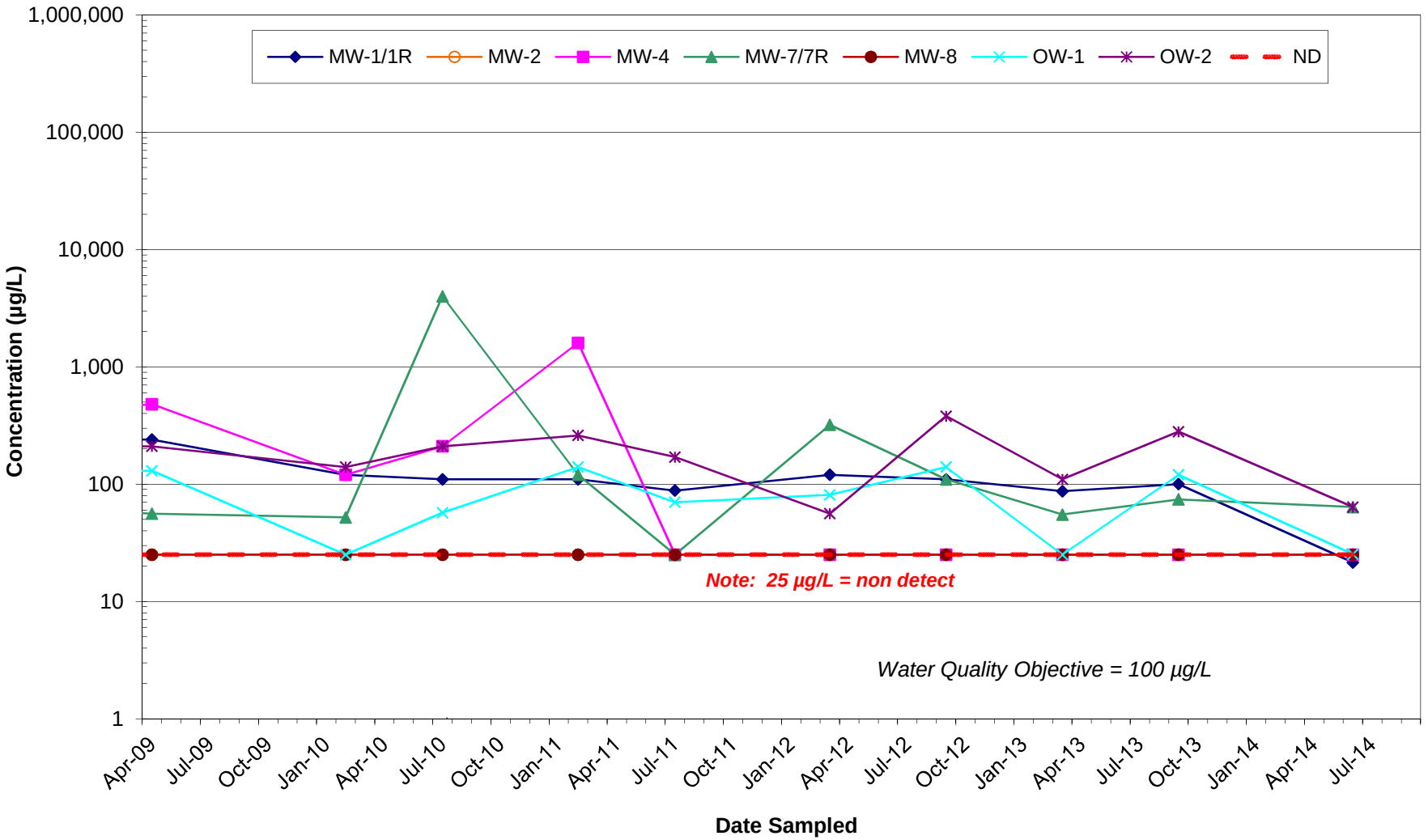


FIGURE 10
Benzene versus Time
725 Julie Ann Way, Oakland, CA

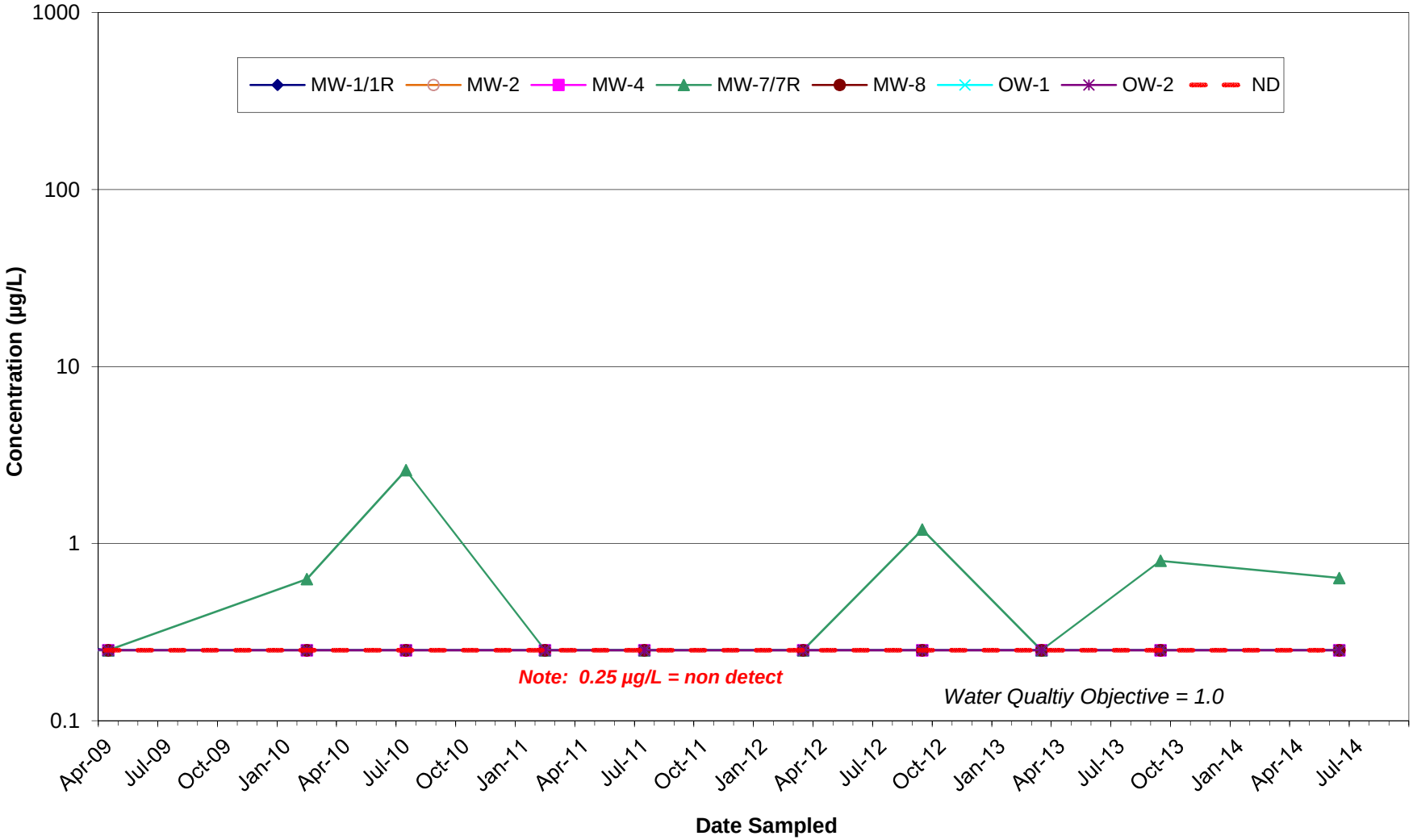
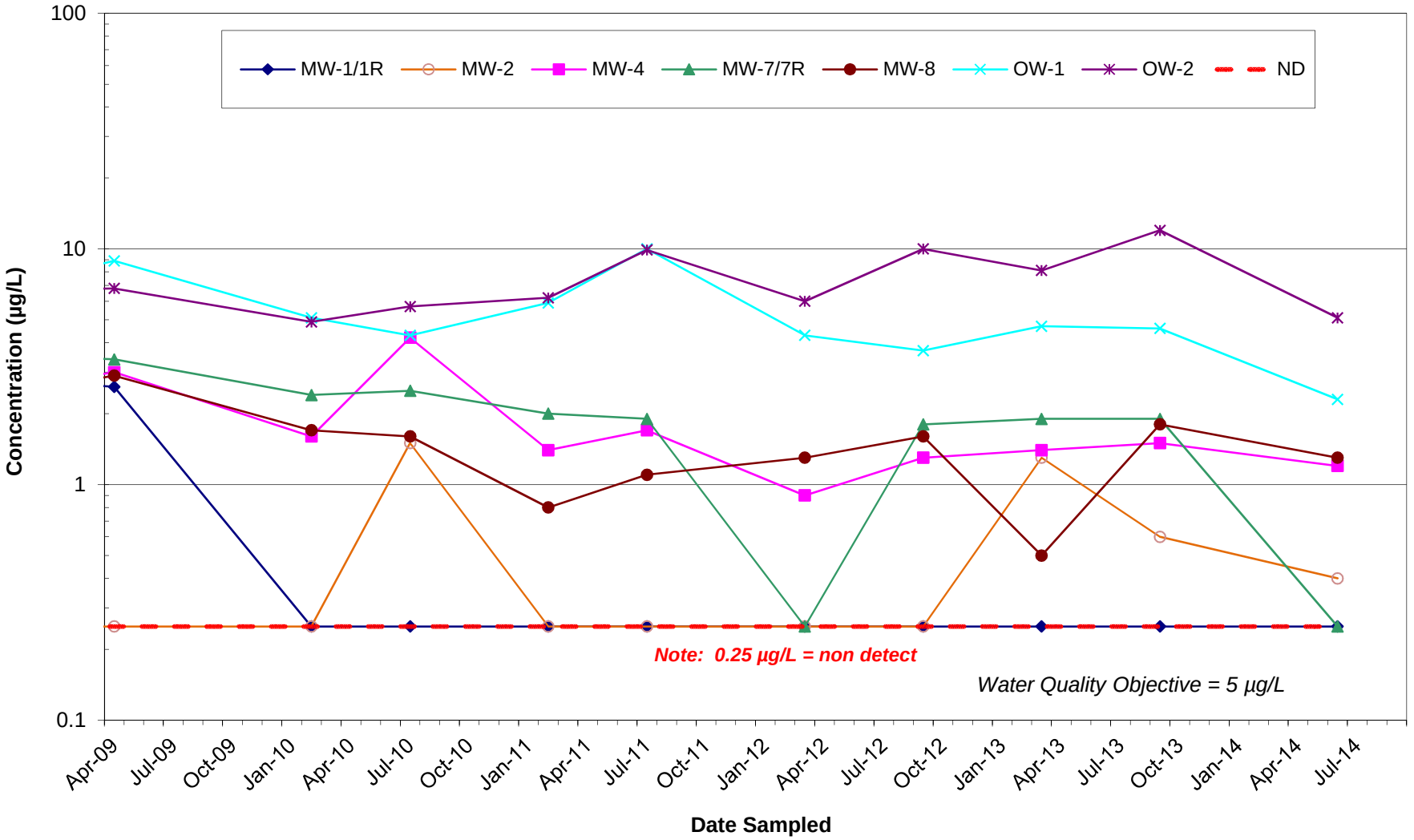


FIGURE 11
MTBE versus Time
725 Julie Ann Way, Oakland, CA



APPENDIX A

ACEH Electronic Correspondence

Hey, Eva

From: Detterman, Karel, Env. Health <Karel.Detterman@acgov.org>
Sent: Wednesday, April 30, 2014 3:56 PM
To: Hawk, Christopher (Penske) (Christopher.Hawk@penske.com); Hey, Eva; Doran, Neil
Cc: Roe, Dilan, Env. Health
Subject: E-mail 1 of 2: Fuel Leak Case RO354 - Hertz-Penske, Geotracker Global ID TO600101062, 725 Julie Ann Way, Oakland, CA 94621
Attachments: Attachment_1_and_ftpUploadInstructions_2012_07_25.pdf; RO354 Karel and Dilans comments on figures_tables for 3-10-2014 meeting.pdf

Hello Chris, Eva, and Neil:

Thank you for participating in the meeting/conference call with Alameda County Environmental Health (ACEH) at our office on March 10, 2014 for a discussion of the *No Further Action Request* (*NFA Request*) dated January 14, 2014 prepared and submitted on your behalf by Stantec. Thank you for submitting the *NFA Request*.

ACEH staff has reviewed the case file, including the *NFA Request* in conjunction with the State Water Resources Control Board's (SWRCB) Low Threat Underground Storage Tank Case Closure Policy (LTCP). Based on our review, the Site Conceptual Model (SCM) fails to support closure for residential standards due to non compliance with the LTCP General Criteria d (free product removal), e (Site Conceptual Model), f (secondary source removal), Media Specific Criteria for Groundwater and Direct Contact and Outdoor Air Exposure.

The following bulleted list summarizes the main discussion topics during the meeting:

1. The case meets LTCP's Media Specific Criteria: Direct Contact to Outdoor Air for *commercial* use;
    a. We understand that the RP would prefer to close the site to residential standards;
    b. Data is needed for 0 - 5' below ground surface (bgs) for shallow soil across the site;
    c. Boring SB-4 fails residential 5' to 10' bgs;
    d. Soil samples 2 through 5 taken during 10/10/1989 UST removal fail residential;
    e. No soil data for 0 – 5 feet bgs in vicinity of piping, dispenser island(s), and/or surface spills;
    f. Request verification of UST piping, dispenser island(s), shown on CORRES, PDF pages 86-92 and indicate on all site figures;
    g. Dispenser Islands: request historical infrastructure and samples on future site figures;
    h. Verify accurate locations of all monitoring wells, soil borings, and site structures with respect to each other and site buildings and landmarks (drainage channels, surrounding streets, etc.);
2. The case doesn't meet LTCP's Media Specific Criteria: Groundwater:
    a. Please use an extended site map(s) utilizing an aerial photographic base map with sufficient resolution to show the facility, delineation of streets and property boundaries within the adjacent neighborhood, drainage channels, monitoring wells, and soil borings;
    b. Well Survey: Please amend the well survey to include a well survey from the Alameda County Public Works Agency (ACPWA) because information from California Department of Water Resources and ACPWA is sufficiently different to warrant inclusion of both in the study;
    c. Show distances from site to drainage channels;
    d. Because of the site's close proximity to the San Francisco Bay, ecological risk is the most important criteria for this site;
        1. Provide physical dimensions such as width and depth of channels of the two drainage channels; determine whether or not channels are tidally influenced; and are channels losing or gaining;
        2. Provide distance of channels to San Francisco Bay;
    e. Adequacy of monitoring well network:

1. Many monitoring wells have continually submerged well screens;
2. Need a depth discrete monitoring well network;
3. Groundwater gradient flow direction varies – please include a rose diagram documenting direction variations of the groundwater gradient;
4. Regarding March 2013 gradient figure: groundwater gradient near MW-8 is shown to be west-southwest and if MW-8 the most down gradient sentry well, what about the groundwater gradient near MW-5 and MW-6 shown to be towards the northwest? Potential data gap in vicinity of MW-8;
5. Please provide plume map including soil boring/grab groundwater samples SB-1 through SB-8 with monitoring wells; All grab groundwater samples indirect evidence of free product;
6. Depth discrete sampling event of 2/3/2011;
7. Request a table with corrected groundwater elevations and free product concentrations;
8. Soil concentrations indicate indirect evidence of free product at the site;
9. Examine MW-6 with respect to plume stability and determine if channels are being impacted by free product/high concentrations of dissolved TPH;

f. MW-6 needs to be monitored and sampled on a regular basis as do all of the monitoring wells;
g. Add free product/sheen observations and well screen intervals to Groundwater Elevation Data Tables for all past, present and future groundwater monitoring events;
h. Has free product been removed to the extent practicable? An affirmative answer to this question could be important especially if excavation is preformed at a neighboring site and free product is encountered;
i. Please conduct another groundwater monitoring/sampling event and analyze all samples for VOCs and SVOCs. The last semi-annual event was November 2013.

Based on the discussions during our meeting, to advance your case to site closure, ACEH requests performance of an additional groundwater monitoring and sampling event using the eight monitoring wells and two observation wells followed by revision and submittal of the SCM and Data Gap Work Plan (if appropriate) using existing site and adjacent site data, then participation in a meeting in early July 2014 with ACEH to discuss the results and path forward.

TECHNICAL REPORT REQUEST

Please upload the technical report to the ACEH ftp site (Attention: Karel Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with Attachment 1 and the following specified file naming convention and schedule:

- **June 30, 2014 –** Revised Site Conceptual Model and Data Gap Investigation Work Plan and Semi Annual Groundwater Monitoring and Sampling Report
  File to be named: RO354_SCM_WP_GWM_R_yyyy-mm-dd

This report is being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

I've attached the NFA Request text with comments to this e-mail and in a separate e-mail I will send the NFA Request tables and figures with comments.

Page 27 of the attachment to this e-mail can be found in pages 86-92 of *CORRES* and page 28 of the attachment can be found in ANALYT_R_1987-10-19, both on ACEH's ftp site.

Thank you,

Karel Detterman, PG

Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6708
Fax: 510.337.9335
Email: karel.detterman@acgov.org

PDF copies of case files can be downloaded at:

http://www.acgov.org/aceh/lop/ust.htm

Hey, Eva

From: Detterman, Karel, Env. Health <Karel.Detterman@acgov.org>
Sent: Wednesday, April 30, 2014 3:57 PM
To: Hawk, Christopher (Penske) (Christopher.Hawk@penske.com); Hey, Eva; Doran, Neil
Cc: Roe, Dilan, Env. Health
Subject: E-mail 2 of 2: Fuel Leak Case RO354 - Hertz-Penske, Geotracker Global ID TO600101062, 725 Julie Ann Way, Oakland, CA 94621
Attachments: RO354 NFA text with ACEH comments.pdf

Karel Detterman, PG
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6708
Fax: 510.337.9335
Email: karel.detterman@acgov.org

PDF copies of case files can be downloaded at:

http://www.acgov.org/aceh/lop/ust.htm

APPENDIX B
Groundwater Sample Collection Logs

WELL GAUGING DATA

Project # 140604-Qu1 Date 6/4/14 Client Stantec

Site 725 Julie Ann Way, Oakland CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1R	0843	2					5.08	19.60		
MW-2	0832	4					5.93	29.33		
MW-3	0830	4					5.90	33.42		
MW-4	0837	4					5.10	33.25		
MW-5	0827	4					4.55	31.35		
MW-6	0823	4					5.24	24.55		
MW-7R	0840	2					5.05	19.45		
MW-8	0835	4					5.04	26.33		
OW-1	0849	4					4.44	14.30		
OW-2	0851	4					4.75	14.70		

WELL MONITORING DATA SHEET

Project #: 140604-Dm1	Client: Stantec
Sampler: DW	Date: 6/4/14
Well I.D.: MW-1R	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 19.60	Depth to Water (DTW): 5.08
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.98	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ___

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ___

2.3 (Gals.) X 3 = 6.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1336	20.3	7.33	3127	450	2.3	cloudy/odor
1337	19.7	6.92	3475	839	4.6	" "
1338	19.6	6.88	3539	1,000	6.9	" "

Did well dewater? Yes (No) Gallons actually evacuated: 6.9

Sampling Date: 6/4/14 Sampling Time: 1340 Depth to Water: 6.07

Sample I.D.: MW-1R Laboratory: Kiff CalScience Other Accutest

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: STLC CCC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.84 mg/L	Post-purge:	0.75 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 140604-DW1	Client: Stantec
Sampler: DW	Date: 6/4/14
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 29.33	Depth to Water (DTW): 5.93
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.61	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ____

15.2 (Gals.) X 3 = 45.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1126	19.1	7.75	3713	26	15.2	clear/no odor
1130	19.6	7.27	3963	13	30.4	" "
1134	19.7	7.30	4026	10	45.6	" "

Did well dewater? Yes (No) Gallons actually evacuated: 45.6

Sampling Date: 6/4/14 Sampling Time: 1140 Depth to Water: 7.02

Sample I.D.: MW-2 Laboratory: Kiff CalScience Other Accutest

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.72 mg/L	Post-purge:	0.59 mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

WELL MONITORING DATA SHEET

Project #: 140604-DW1	Client: Stantec
Sampler: DW	Date: 6/4/14
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 33.42	Depth to Water (DTW): 5.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.40	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ____

17.8 (Gals.) X 3 = 53.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1052	18.9	7.93	5162	97	17.8	clear/slight odor
1056	19.4	7.15	5265	40	35.6	" "
1059	19.4	7.18	5316	10	53.4	" "

Did well dewater? Yes (No) Gallons actually evacuated: 53.4

Sampling Date: 6/4/14 Sampling Time: 1105 Depth to Water: 8.23

Sample I.D.: MW-3 Laboratory: Kiff CalScience Other Accutest

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.34 mg/L	Post-purge:	0.29 mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

WELL MONITORING DATA SHEET

Project #: 140604-DW1	Client: Stantec
Sampler: DW	Date: 6/4/14
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 33.25	Depth to Water (DTW): 5.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ____

11.8 (Gals.) X	3	= 34.5 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1237	19.6	7.08	9435	24	18.2	Yellow tint/odor
well	Dewatered @ 30.0 gals					
1500	20.4	7.14	9975	7	—	

Did well dewater? (Yes) No Gallons actually evacuated: 30.0

Sampling Date: 6/4/14 Sampling Time: 1500 Depth to Water: 5.16

Sample I.D.: MW-4 Laboratory: Kiff CalScience Other Accutest

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	1.03 mg/L	Post-purge:	1.28 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 120604-Del	Client: Stantec
Sampler: DW	Date: 6/4/14
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 31.55	Depth to Water (DTW): 4.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.91	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ~~Electric Submersible~~; Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: Bailer; ~~Disposable Bailer~~; Extraction Port; Dedicated Tubing; Other: ____

17.4 (Gals.) X 3 = 52.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1003	18.3	7.30	3009	811	17.4	Brown/slight odor
1007	18.4	7.11	4835	543	34.8	" "
1008	well	Dewatered	@ 40.0			
1020	19.0	7.56	3556	697	—	

Did well dewater? (Yes) ~~No~~ Gallons actually evacuated: 40.0

Sampling Date: 6/4/14 Sampling Time: 1022 Depth to Water: 9.78

Sample I.D.: MW-5 Laboratory: Kiff CalScience Other Accutest

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.42 mg/L	Post-purge:	0.36 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 140604-Dw1	Client: Stantec
Sampler: Dw	Date: 6/4/14
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 24.55	Depth to Water (DTW): 5.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.10	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: (Bailer); (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ____

12.5 (Gals.) X 3 = 37.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0928	19.3	7.49	8569	74	12.5	clear/no odor
0931	19.5	7.05	8752	28	25.0	" "
0934	19.6	7.07	8797	25	37.5	" "

Did well dewater? Yes (No) Gallons actually evacuated: 37.5

Sampling Date: 6/4/14 Sampling Time: 0937 Depth to Water: 6.23

Sample I.D.: MW-6 Laboratory: Kiff CalScience Other Accutest

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	4.88 mg/L	Post-purge:	4.15 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 140604-DW1	Client: Stantec
Sampler: DW	Date: 6/4/14
Well I.D.: MW-7R	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 19.45	Depth to Water (DTW): 5.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.93	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ~~Electric Submersible~~; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; ~~Disposable Bailer~~; Extraction Port; Dedicated Tubing; Other:_____

2.3 (Gals.) X 3 = 6.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1305	19.7	7.86	4293	189	2.3	cloudy/odor
1306	19.1	7.61	3826	69	4.6	clear/odor
1307	19.2	7.66	3779	28	6.9	" "

Did well dewater? Yes (No) Gallons actually evacuated: 6.9

Sampling Date: 6/4/14 Sampling Time: 1310 Depth to Water: 5.32

Sample I.D.: MW-7R Laboratory: Kiff CalScience Other Accutest

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.43 mg/L	Post-purge:	0.35 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 140604-Dw1	Client: Stantec
Sampler: Dw	Date: 6/4/14
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.33	Depth to Water (DTW): 5.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.30	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ~~Electric Submersible~~; Waterra Peristaltic; Extraction Pump; Other ___

Sampling Method: Bailer; ~~Disposable Bailer~~; Extraction Port; Dedicated Tubing; Other: ___

13.8 (Gals.) X 3 = 41.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1201	18.1	7.21	6726	17	13.8	clear/slight odor
1203	18.0	6.80	7854	13	27.6	" "
1206	18.1	6.78	7866	10	41.4	" "

Did well dewater? Yes (No) Gallons actually evacuated: 41.4

Sampling Date: 6/4/14 Sampling Time: 1210 Depth to Water: 8.09

Sample I.D.: MW-8 Laboratory: Kiff CalScience Other Accutest

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.66 mg/L	Post-purge:	0.54 mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

WELL MONITORING DATA SHEET

Project #: 140604-Dw1	Client: Stantec
Sampler: Dw	Date: 6/4/14
Well I.D.: OW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.30	Depth to Water (DTW): 4.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.41	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ~~Electric Submersible~~; Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: Bailer; ~~Disposable Bailer~~; Extraction Port; Dedicated Tubing; Other: ____

6.4 (Gals.) X 3 = 19.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1406	20.6	7.31	3045	62	6.4	yellow tint/odor
1408	20.6	6.96	3017	35	12.8	" "
1409	20.6	6.93	3005	30	19.2	" "

Did well dewater? Yes (No) Gallons actually evacuated: 19.2

Sampling Date: 6/4/14 Sampling Time: 1410 Depth to Water: 4.73

Sample I.D.: OW-1 Laboratory: Kiff CalScience Other Accutest

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.80 mg/L	Post-purge:	0.64 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 140664-Dn1	Client: Stantec
Sampler: DW	Date: 6/4/14
Well I.D.: OW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.70	Depth to Water (DTW): 4.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.74	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, ~~Electric Submersible~~, Waterra, Peristaltic, Extraction Pump, Other ____

Sampling Method: Bailer, ~~Disposable Bailer~~, Extraction Port, Dedicated Tubing, Other: ____

6.5 (Gals.) X 3 = 19.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1432	20.2	7.53	2844	309	6.5	Yellow/odor
1434	20.5	6.96	2762	117	13.0	" "
1435	20.6	6.91	2730	59	19.5	" "

Did well dewater? Yes (No) Gallons actually evacuated: 19.5

Sampling Date: 6/4/14 Sampling Time: 1440 Depth to Water: 5.06

Sample I.D.: OW-2 Laboratory: Kiff CalScience Other Accutest

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): QCEB @ Time 1530 Duplicate I.D. (if applicable): ____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: ____

D.O. (if req'd):	Pre-purge:	0.73 mg/L	Post-purge:	0.50 mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Stantec@725 Julie Ann Way				PROJECT NUMBER 140604-Dw1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. C°	INITIALS
Ultrameter II	617813	6/4/14 @ 0920	ph 7, 10, 4	7, 10, 4	Y	17	DW
		↓	3900uscm	3900	Y	17	DW
YSI 550	06E1424AJ	↓	DO 100.%	100.0	Y	19	DW

WELL GAUGING DATA

Project # 130927-MW1 Date 9/27/13 Client STANTEC

Site 725 JULIE ANN WAY, OAKLAND, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
* MW-1R	0902	9		—			5.62	19.63		
MW-2	0815	4	ODOR	—			6.43	29.35		
MW-3	0805	4	ODOR	—			6.40	33.44		
MW-4	0821	4	ODOR	—			5.47	23.25		
MW-5	0813	4	ODOR	—			5.16	31.36		
MW-6	0809	4	ODOR	—			5.74	24.52		
MW-7R	0827	2	ODOR	—			5.45	19.46		
MW-8	0819	4	ODOR	—			5.48	26.35		
OW-1	0834	4		—			4.76	14.33		
OW-2	0838	4		—			5.04	14.73	↓	

* MW-1R - PAVED OVER - GAUGED LATER - (GROSS DECON)

WELL MONITORING DATA SHEET

Project #: 130927-MW1	Client: STANTEC
Sampler: MW	Date: 9/27/13
Well I.D.: MW-1R	Well Diameter: (2) 3 (4) 6 8 ___
Total Well Depth (TD): 19.63	Depth to Water (DTW): 5.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (TOC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.42	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / ~~Electric Submersible~~ / Waterra / Peristaltic / Extraction Pump / Other ___

Sampling Method: ~~Bailer~~ / ~~Disposable Bailer~~ / Extraction Port / Dedicated Tubing / Other: ___

1 Case Volume	Specified Volumes	Calculated Volume
2.2 (Gals.) X	3	= 6.6 ~~6.0~~ Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1101	20.9	8.19	3362	436	~~2.2~~ 2.2	gray
1102	20.1	8.03	3709	>1000	4.4	"
WELL	DEWATERED @	5.5	GALS			
1335	24.1	8.55	3690	100	—	pale yellow

Did well dewater? (Yes) No		Gallons actually evacuated:	5.5
Sampling Date: 9/27/13	Sampling Time: 1335	Depth to Water:	5.73
Sample I.D.: MW-1R	Laboratory: Kiff CalScience Other CAT		
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5)	Other:	See	Sow
EB I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):		
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5)	Other:		

D.O. (if req'd):	Pre-purge:	0.96	mg/L	Post-purge:	0.69 mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130927-MW1	Client: STANTEC
Sampler: MW	Date: 9/27/13
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 33.44	Depth to Water (DTW): 6.43
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.83	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ____

17.6 (Gals.) X	3	=	52.8 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0908	19.5	8.17	3881	25	17.6	clear
0912	19.1	8.03	4160	7	35.2	"
0915	19.0	7.99	4238	7	52.8	"

Did well dewater? Yes (No) Gallons actually evacuated: 52.8

Sampling Date: 9/27/13 Sampling Time: 0920 Depth to Water: 6.54

Sample I.D.: MW-2 Laboratory: Kiff CalScience Other CAT

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see sow

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	(Pre-purge:)	1.09	mg/L	(Post-purge:)	0.52 mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130927-MW1	Client: STANTEC
Sampler: MW	Date: 9/27/13
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 23.25	Depth to Water (DTW): 5.47
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.03	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ____

11.6 (Gals.) X 3 = 34.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1011	19.1	7.68	7479	40	11.6	pale yellow
1014	19.1	7.11	12730	28	23.2	"
WELL	DEW. ATTEMPTED @ 26			GALS		
1320	23.3	7.67	10820	23	—	clear / odor

Did well dewater? (Yes) No — Gallons actually evacuated: 26

Sampling Date: 9/27/13 — Sampling Time: 1320 — Depth to Water: 5.78

Sample I.D.: MW-4 — Laboratory: Kiff CalScience Other CAT

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see SOW

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	(Pre-purge):	0.82 mg/L	(Post-purge):	1.17 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130927-MW1	Client: STANTEC
Sampler: MW	Date: 9/27/13
Well I.D.: MW-7R	Well Diameter: (2) 3 (4) 6 8 ____
Total Well Depth (TD): 19.46	Depth to Water (DTW): 5.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.25	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ____

2.2 (Gals.) X 3 = 6.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1031	18.2	8.66	4513	260	2.2	gray; odor
1032	18.4	8.50	3441	102	4.4	clear; odor
1033	18.8	8.42	3208	77	6.6	"

Did well dewater? Yes (No) Gallons actually evacuated: 6.6

Sampling Date: 9/27/13 Sampling Time: 1040 Depth to Water: 5.64

Sample I.D.: MW-7R Laboratory: Kiff CalScience Other CTT

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.35 mg/L	Post-purge:	0.38 mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

WELL MONITORING DATA SHEET

Project #: 309279-MW1	Client: STANTEC
Sampler: MW	Date: 9/27/13
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 26.35	Depth to Water (DTW): 5.48
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.65	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra Peristaltic, Extraction Pump, Other ____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other: ____

13.6 (Gals.) X	3	= 40.8 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0935	18.5	8.12	5905	52	13.6	clear
0940	18.1	7.85	6616	126	27.2	"
0943	17.9	7.75	6459	91	40.8	"

Did well dewater? Yes (No) Gallons actually evacuated: 40.8

Sampling Date: 9/27/13 Sampling Time: 0950 Depth to Water: 8.41

Sample I.D.: MW-8 Laboratory: Kiff CalScience Other CET

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see sow

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.55 mg/L	Post-purge:	0.47	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

WELL MONITORING DATA SHEET

Project #: 130927-WO1	Client: STANTEC
Sampler: MW	Date: 9/27/13
Well I.D.: OW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 14.33	Depth to Water (DTW): 4.76
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.67	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other ____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other: ____

6.2 (Gals.) X 3 = 18.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1115	20.9	7.88	2723	10	6.2	pale/yellow
1117	22.2	8.09	2679	8	12.4	"
1118	21.8	8.18	2671	8	18.6	"

Did well dewater? Yes (No) Gallons actually evacuated: 18.6

Sampling Date: 9/27/13 Sampling Time: 1125 Depth to Water: 4.76

Sample I.D.: OW-1 Laboratory: Kiff CalScience Other CT

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see sow

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	1.15 mg/L	Post-purge:	0.61	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

WELL MONITORING DATA SHEET

Project #: 130927-MW1	Client: STANTEC
Sampler: MW	Date: 9/27/13
Well I.D.: OW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.73	Depth to Water (DTW): 5.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.98	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra Peristaltic; Extraction Pump; Other ___

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ___

6.3 (Gals.) X 3 = 18.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1139	21.0	7.89	2390	359	6.3	yellow
1141	21.8	7.97	2413	105	12.6	"
1142	22.4	8.07	2412	52	18.9	"

Did well dewater? Yes (No) Gallons actually evacuated: 18.9

Sampling Date: 9/27/13 Sampling Time: 1150 Depth to Water: 5.04

Sample I.D.: OW-2 Laboratory: Kiff CalScience Other CTT

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.67 mg/L	Post-purge:	0.47 mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

QCEB @ 1200 QCTB 0745

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	STANTEC @ 725 JULIE ANN WAY OAKLAND, CA			PROJECT NUMBER 130927-WW1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
MYRON L ULTRAMETER 2	607197	9/27/13 0845	pH: 4, 7 & 10 cond: 3900 µS	pH: 7.00 & 10.00 cond: 3900 µS	yes	23.5 °C	WW
YSI 550A	06E142745	9/27/13 0845	DO: 100% @ 10 mg/L	DO: 99.4% @ 9.00 mg/L	yes	21.5 °C	WW

APPENDIX C
Water Sample Laboratory Reports and Chain-of-Custody Records

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 249508
ANALYTICAL REPORT

Stantec	Project : STANDARD
57 Lafayette Circle	Location : 725 Julie Ann Way
Lafayette, CA 94549-4321	Level : II

Sample ID	Lab ID
MW-1R	249508-001
MW-2	249508-002
MW-4	249508-003
MW-7R	249508-004
MW-8	249508-005
OW-1	249508-006
OW-2	249508-007
QCTB	249508-008
QCEB	249508-009

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Will Rice Date: 10/14/2013

Will S Rice
Project Manager
will.rice@ctberk.com

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**249508**
Client:	**Stantec**
Location:	**725 Julie Ann Way**
Request Date:	**09/30/13**
Samples Received:	**09/30/13**

This data package contains sample and QC results for nine water samples, requested for the above referenced project on 09/30/13. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS # 130927-MW1

CLIENT: Stantec

SITE: 725 Julie Ann Way
Oakland CA

LAB: 249508 C&T Berkeley

DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS

Invoice and Report to : Stantec
Attn: Eva Hey (925) 299-9300 Ext. 237
eva.hey@stantec.com

EDF Required

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

	SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL		TPH-g (8015M)	TPH-d w/SGC (8015M)	BTEX, MTBE, EDC, EDB (8260)	Napthalene (8260B)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
1	MW-1R	9/27/13	1335	W	8	HCl VOA, 1L-AGB NP	X	X	X	X				
2	MW-2		0920		8		X	X	X	X				
3	MW-4		1320		8		X	X	X	X				
4	MW-7R		1040		8		X	X	X	X				
5	MW-8		0950		8		X	X	X	X				
6	OW-1		1125		8		X	X	X	X				
7	OW-2		1150		8		X	X	X	X				
8	QCTB		0745		2	HCl VOA	X							
9	QCEB		1200		8	HCl VOA, 1L-AGB NP	X	X	X	X				

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	9/27/13	1335	WILLIAM WINKS

RESULTS NEEDED NO LATER THAN: **Standard TAT**

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	9/27/13	1520	SAMPLE CUSTODIAN	9/27/13	1520
RELEASED BY: Sample Custodian BTS	9/30/13	1255		9/30/13	1255
RELEASED BY	9/30/13	1631	Jane Rankin	9/30/13	1631

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 249508 Date Received 9/30/13 Number of coolers 4
Client BLAINE (STANTEC) Project 725 JULIE ANN

Date Opened 9/30/13 By (print) TR (sign) Tina Ranka
Date Logged in 5 By (print) MS (sign) MS

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____
2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 5.9 ← w/ IR gun

☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are there any missing / extra samples? _____ YES (NO)
11. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
12. Are sample labels present, in good condition and complete? _____ (YES) NO
13. Do the sample labels agree with custody papers? _____ (YES) NO
14. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
15. Are the samples appropriately preserved? _____ YES NO (N/A)
16. Did you check preservatives for all bottles for each sample? _____ YES NO (N/A)
17. Did you document your preservative check? _____ YES NO (N/A)
18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO (N/A)
20. Are bubbles > 6mm absent in VOA samples? _____ YES (NO) N/A
21. Was the client contacted concerning this sample delivery? _____ YES (NO)
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS
#20.) R samp # -003 (1 of 6) & samp # -007 (2 of 6) have bubbles ≥ 6 mm

Rev 10, 11/11

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	203577
Units:	ug/L	Sampled:	09/27/13
Diln Fac:	1.000	Received:	09/30/13

Field ID: MW-1R
Type: SAMPLE
Lab ID: 249508-001
Analyzed: 10/01/13

Analyte	Result	RL
Gasoline C7-C12	100 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	110	76-128

Field ID: MW-2
Type: SAMPLE
Lab ID: 249508-002
Analyzed: 10/01/13

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	107	76-128

Field ID: MW-4
Type: SAMPLE
Lab ID: 249508-003
Analyzed: 10/01/13

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	109	76-128

Field ID: MW-7R
Type: SAMPLE
Lab ID: 249508-004
Analyzed: 10/01/13

Analyte	Result	RL
Gasoline C7-C12	74 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	113	76-128

Field ID: MW-8
Type: SAMPLE
Lab ID: 249508-005
Analyzed: 10/01/13

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	110	76-128

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	203577
Units:	ug/L	Sampled:	09/27/13
Diln Fac:	1.000	Received:	09/30/13

Field ID: OW-1 Lab ID: 249508-006
Type: SAMPLE Analyzed: 10/02/13

Analyte	Result	RL
Gasoline C7-C12	120 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	112	76-128

Field ID: OW-2 Lab ID: 249508-007
Type: SAMPLE Analyzed: 10/02/13

Analyte	Result	RL
Gasoline C7-C12	280 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	116	76-128

Field ID: QCTB Lab ID: 249508-008
Type: SAMPLE Analyzed: 10/02/13

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	108	76-128

Field ID: QCEB Lab ID: 249508-009
Type: SAMPLE Analyzed: 10/02/13

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	110	76-128

Type: BLANK Analyzed: 10/01/13
Lab ID: QC709881

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	106	76-128

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC709880	Batch#:	203577
Matrix:	Water	Analyzed:	10/01/13
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	905.1	91	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	98	76-128

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	203577
MSS Lab ID:	249509-001	Sampled:	09/27/13
Matrix:	Water	Received:	09/30/13
Units:	ug/L	Analyzed:	10/01/13
Diln Fac:	1.000		

Type: MS Lab ID: QC709882

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	639.1	2,000	2,551	96	76-120

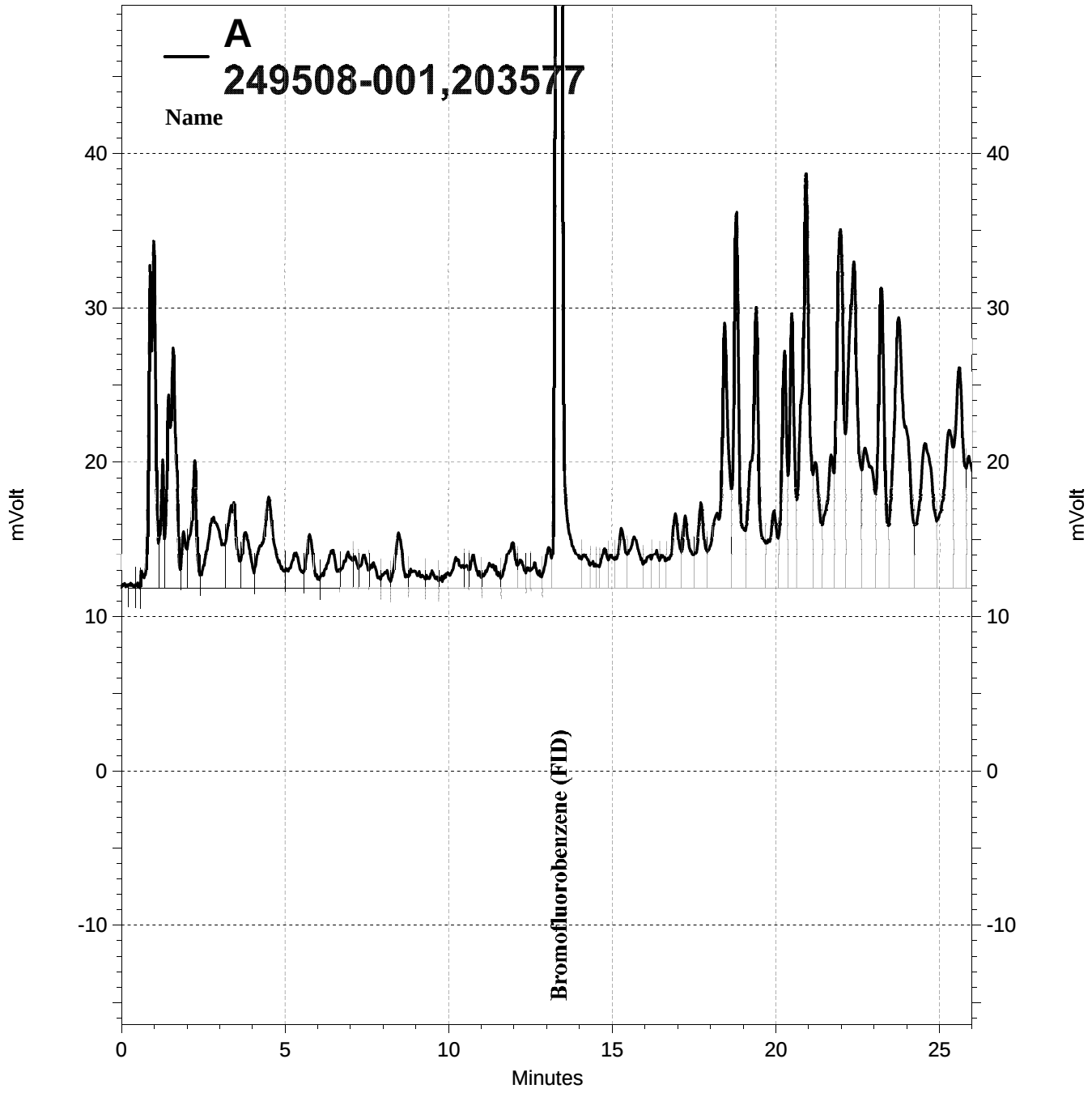
Surrogate	%REC	Limits
Bromofluorobenzene (FID)	124	76-128

Type: MSD Lab ID: QC709883

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,384	87	76-120	7	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	119	76-128

RPD= Relative Percent Difference



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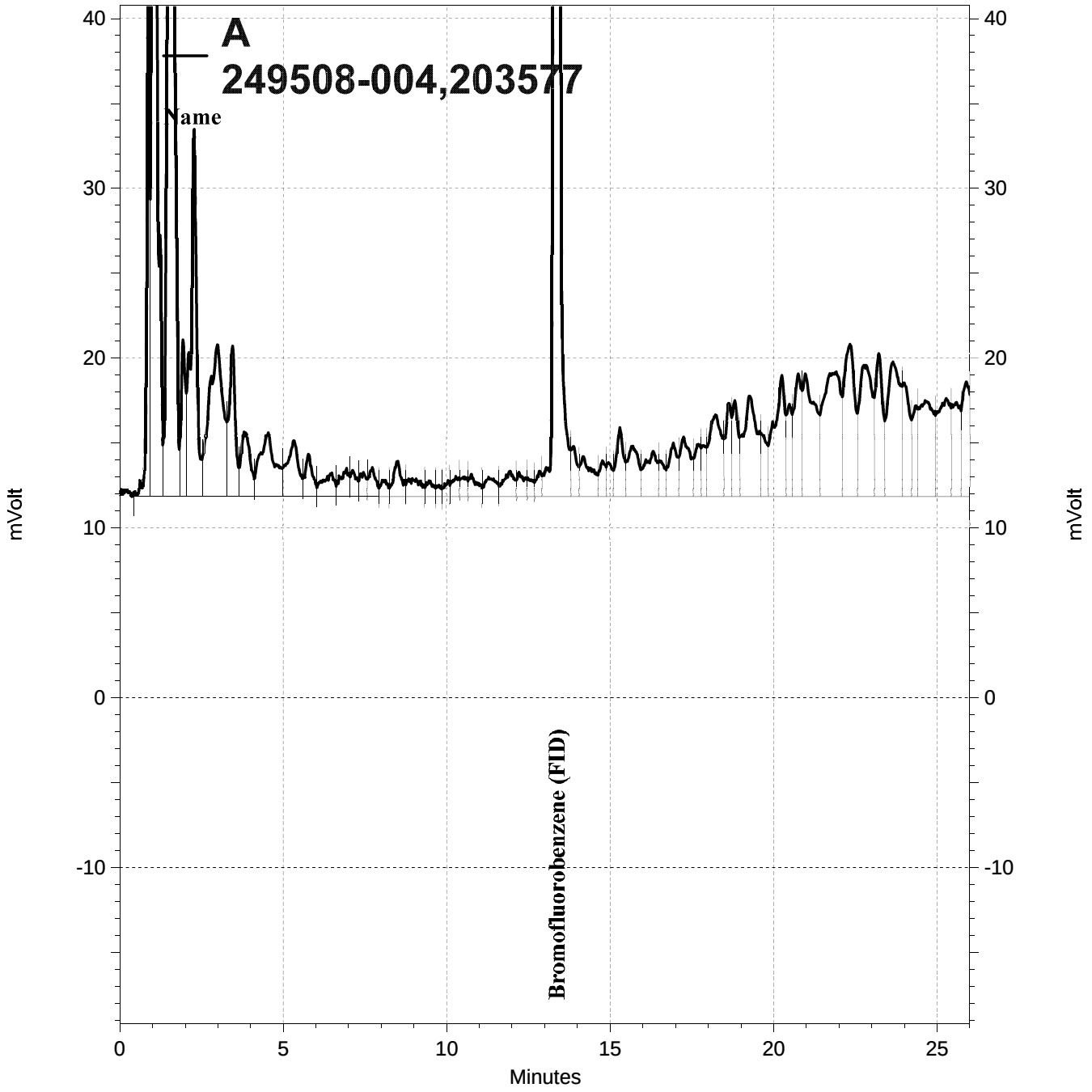

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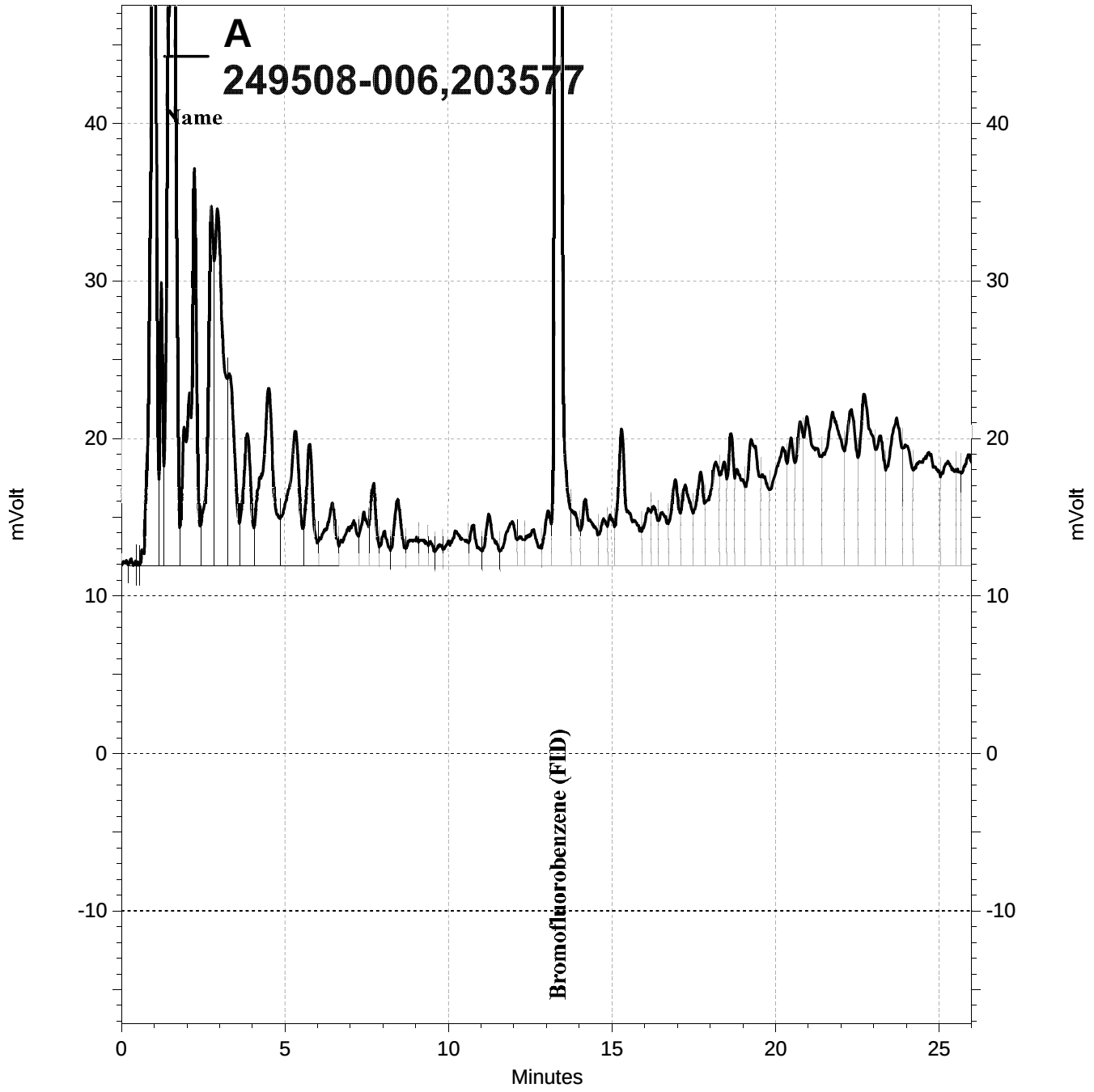

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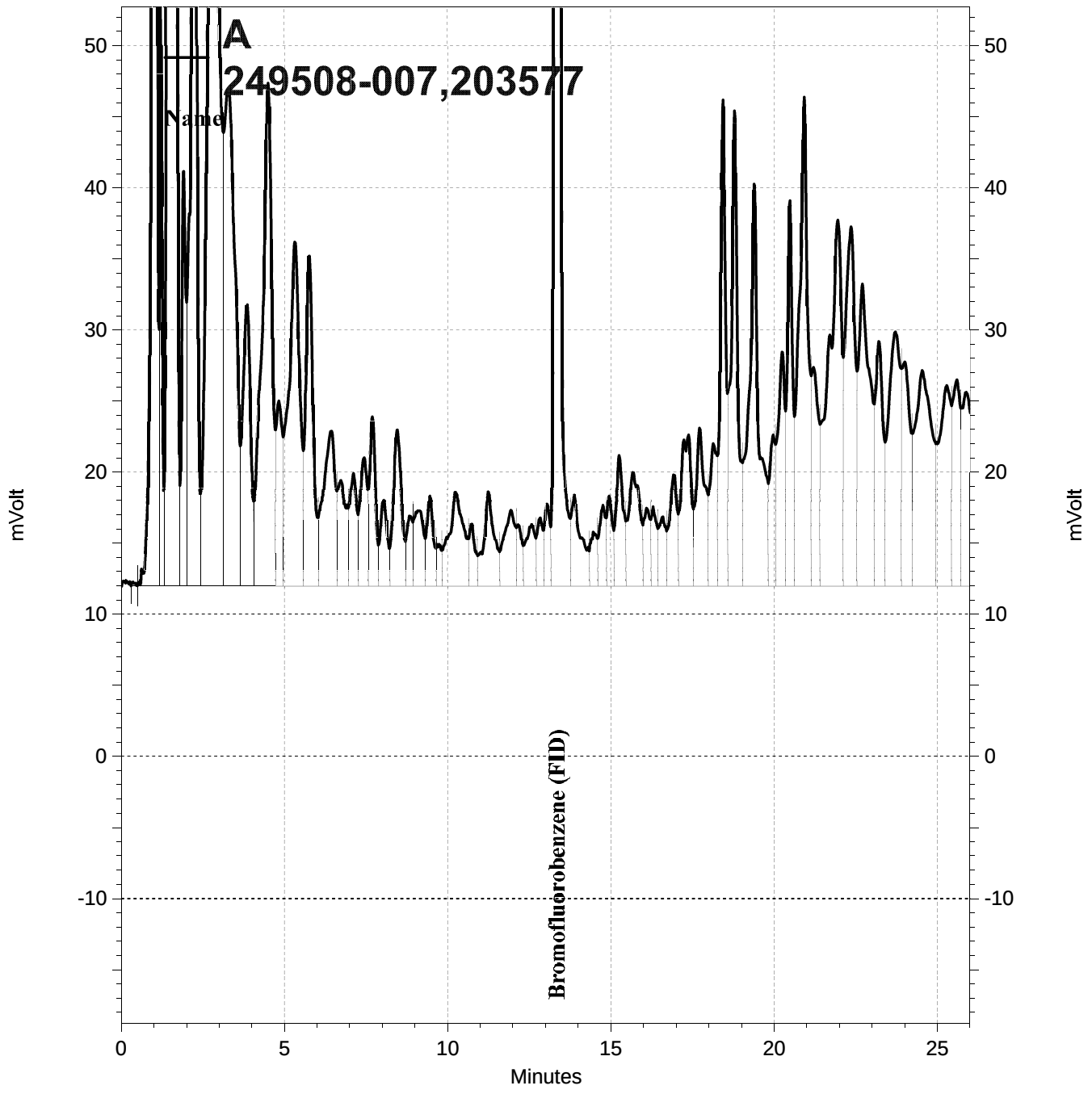

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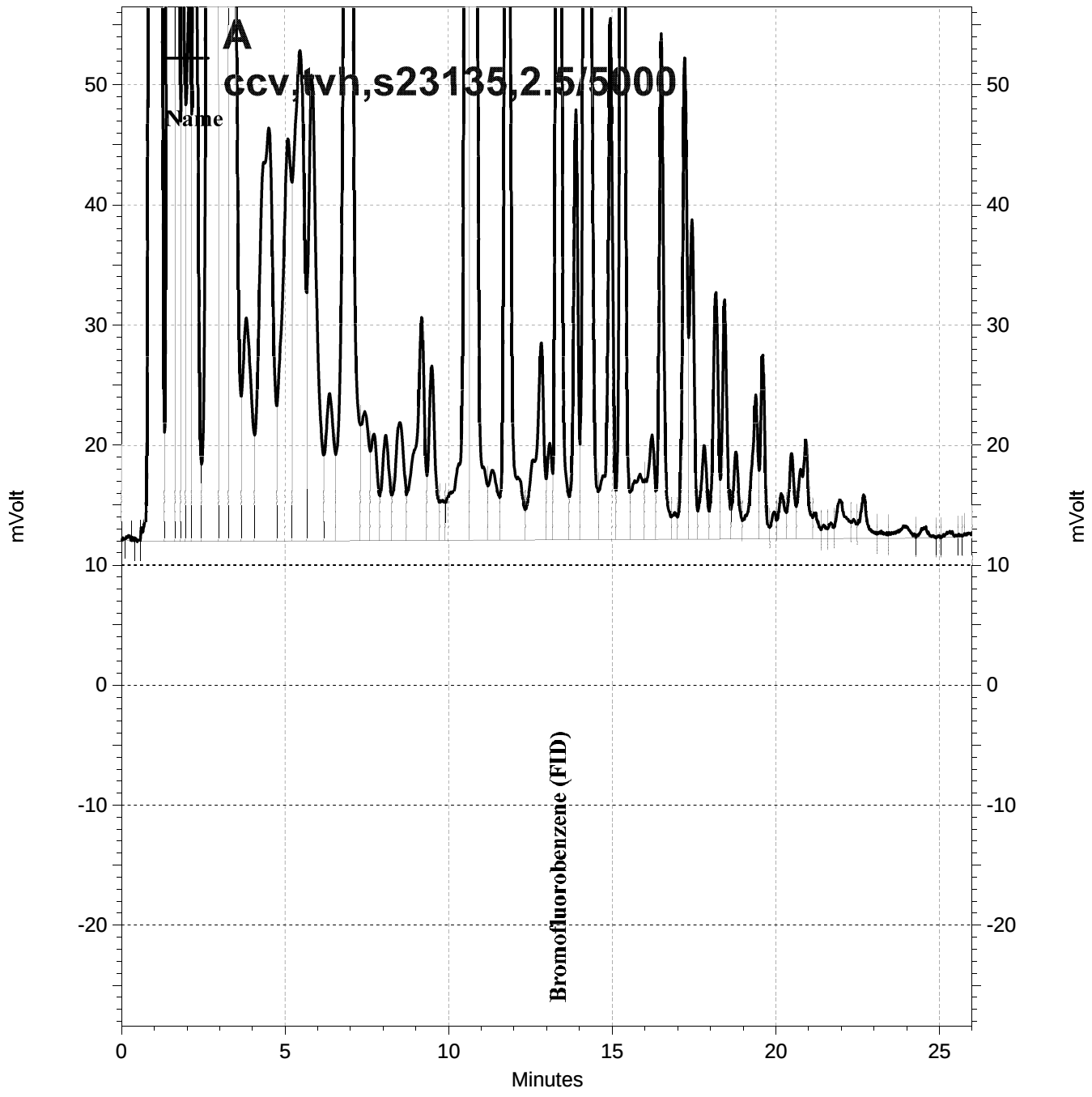

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Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	09/27/13
Units:	ug/L	Received:	09/30/13
Diln Fac:	1.000	Prepared:	10/02/13

Field ID:	MW-1R	Batch#:	203650
Type:	SAMPLE	Analyzed:	10/04/13
Lab ID:	249508-001	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	480	50

Surrogate	%REC	Limits
o-Terphenyl	90	62-133

Field ID:	MW-2	Batch#:	203650
Type:	SAMPLE	Analyzed:	10/04/13
Lab ID:	249508-002	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	93	62-133

Field ID:	MW-4	Batch#:	203650
Type:	SAMPLE	Analyzed:	10/04/13
Lab ID:	249508-003	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1,700	50

Surrogate	%REC	Limits
o-Terphenyl	95	62-133

Field ID:	MW-7R	Batch#:	203650
Type:	SAMPLE	Analyzed:	10/05/13
Lab ID:	249508-004	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	860	50

Surrogate	%REC	Limits
o-Terphenyl	92	62-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	09/27/13
Units:	ug/L	Received:	09/30/13
Diln Fac:	1.000	Prepared:	10/02/13

Field ID:	MW-8	Batch#:	203650
Type:	SAMPLE	Analyzed:	10/05/13
Lab ID:	249508-005	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	90	62-133

Field ID:	OW-1	Batch#:	203650
Type:	SAMPLE	Analyzed:	10/05/13
Lab ID:	249508-006	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1,600	50

Surrogate	%REC	Limits
o-Terphenyl	85	62-133

Field ID:	OW-2	Batch#:	203650
Type:	SAMPLE	Analyzed:	10/05/13
Lab ID:	249508-007	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	660	50

Surrogate	%REC	Limits
o-Terphenyl	108	62-133

Field ID:	QCEB	Batch#:	203651
Type:	SAMPLE	Analyzed:	10/05/13
Lab ID:	249508-009	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	93	62-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	09/27/13
Units:	ug/L	Received:	09/30/13
Diln Fac:	1.000	Prepared:	10/02/13

Type:	BLANK	Analyzed:	10/10/13
Lab ID:	QC710159	Cleanup Method:	EPA 3630C
Batch#:	203650		

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	107	62-133

Type:	BLANK	Analyzed:	10/04/13
Lab ID:	QC710163	Cleanup Method:	EPA 3630C
Batch#:	203651		

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	90	62-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC710160	Batch#:	203650
Matrix:	Water	Prepared:	10/02/13
Units:	ug/L	Analyzed:	10/04/13

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,027	81	59-120

Surrogate	%REC	Limits
o-Terphenyl	95	62-133

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	203650
MSS Lab ID:	249448-001	Sampled:	09/27/13
Matrix:	Water	Received:	09/27/13
Units:	ug/L	Prepared:	10/02/13
Diln Fac:	1.000	Analyzed:	10/04/13

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC710161

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	142.1	2,451	2,288	88	61-120

Surrogate	%REC	Limits
o-Terphenyl	112	62-133

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC710162

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,975	73	61-120	17	43

Surrogate	%REC	Limits
o-Terphenyl	96	62-133

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	203651
Units:	ug/L	Prepared:	10/02/13
Diln Fac:	1.000	Analyzed:	10/05/13

Type: BS
Lab ID: QC710164
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,087	83	59-120

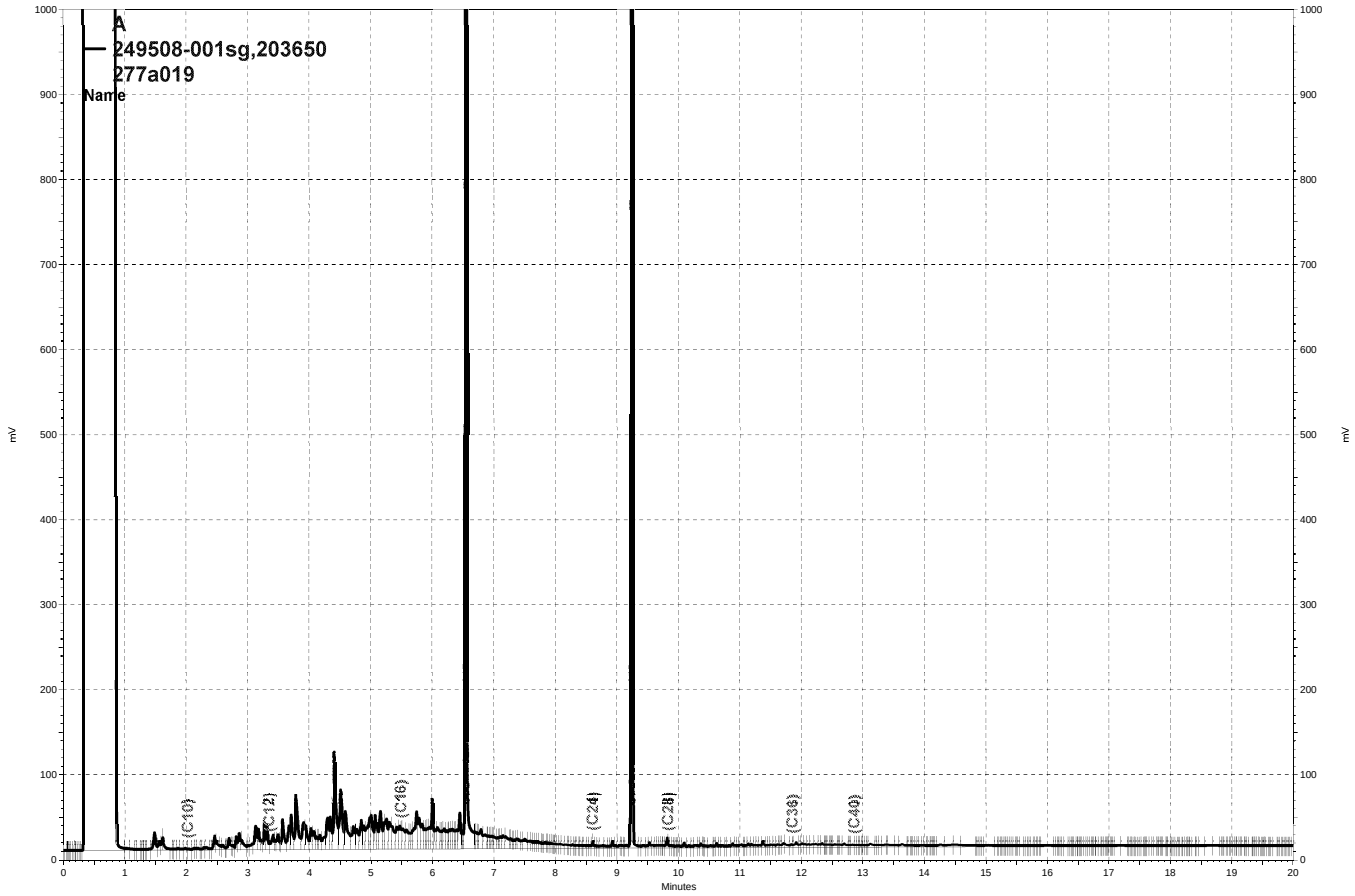
Surrogate	%REC	Limits
o-Terphenyl	91	62-133

Type: BSD
Lab ID: QC710165
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,095	84	59-120	0	46

Surrogate	%REC	Limits
o-Terphenyl	90	62-133

RPD= Relative Percent Difference



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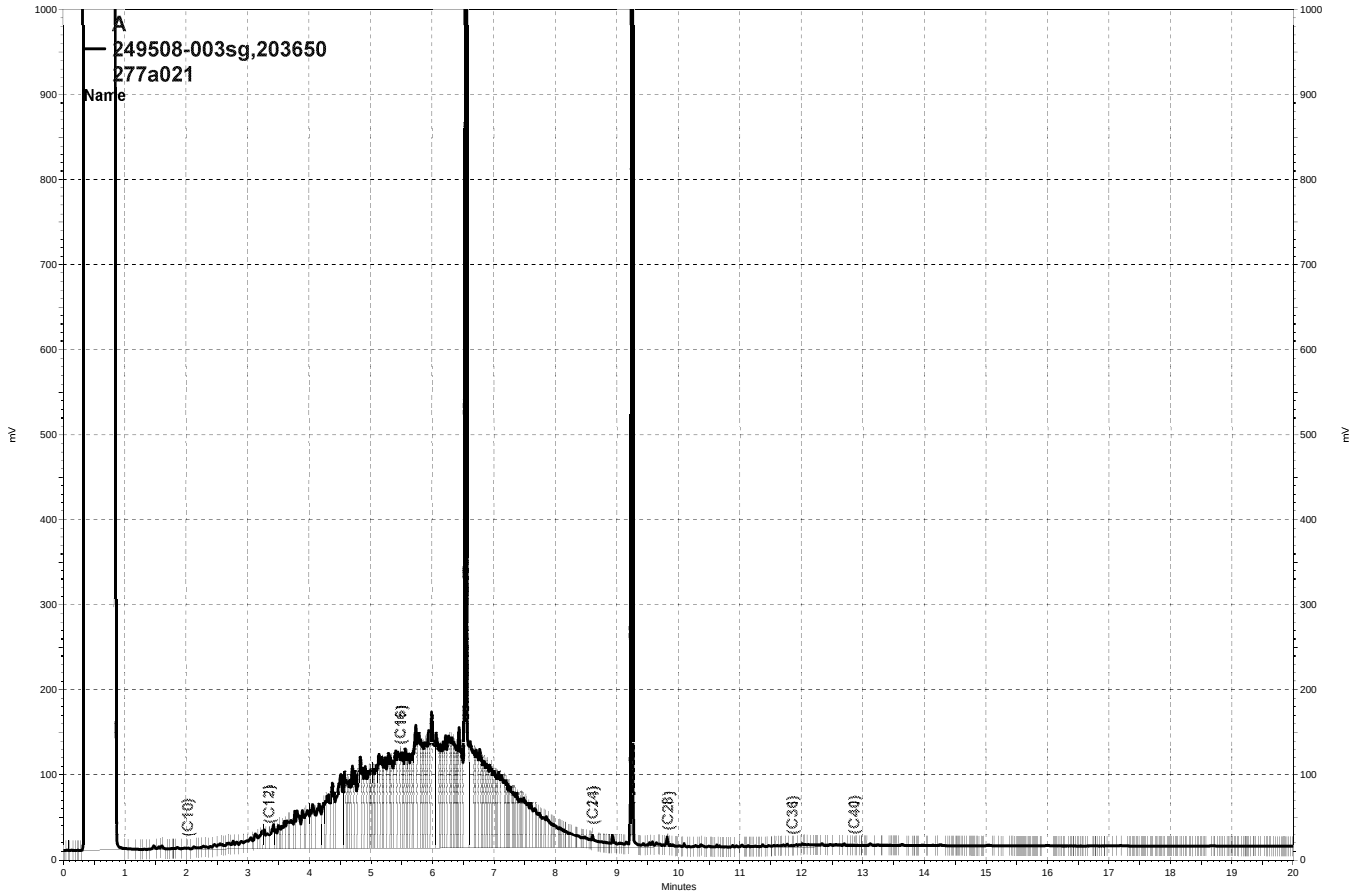

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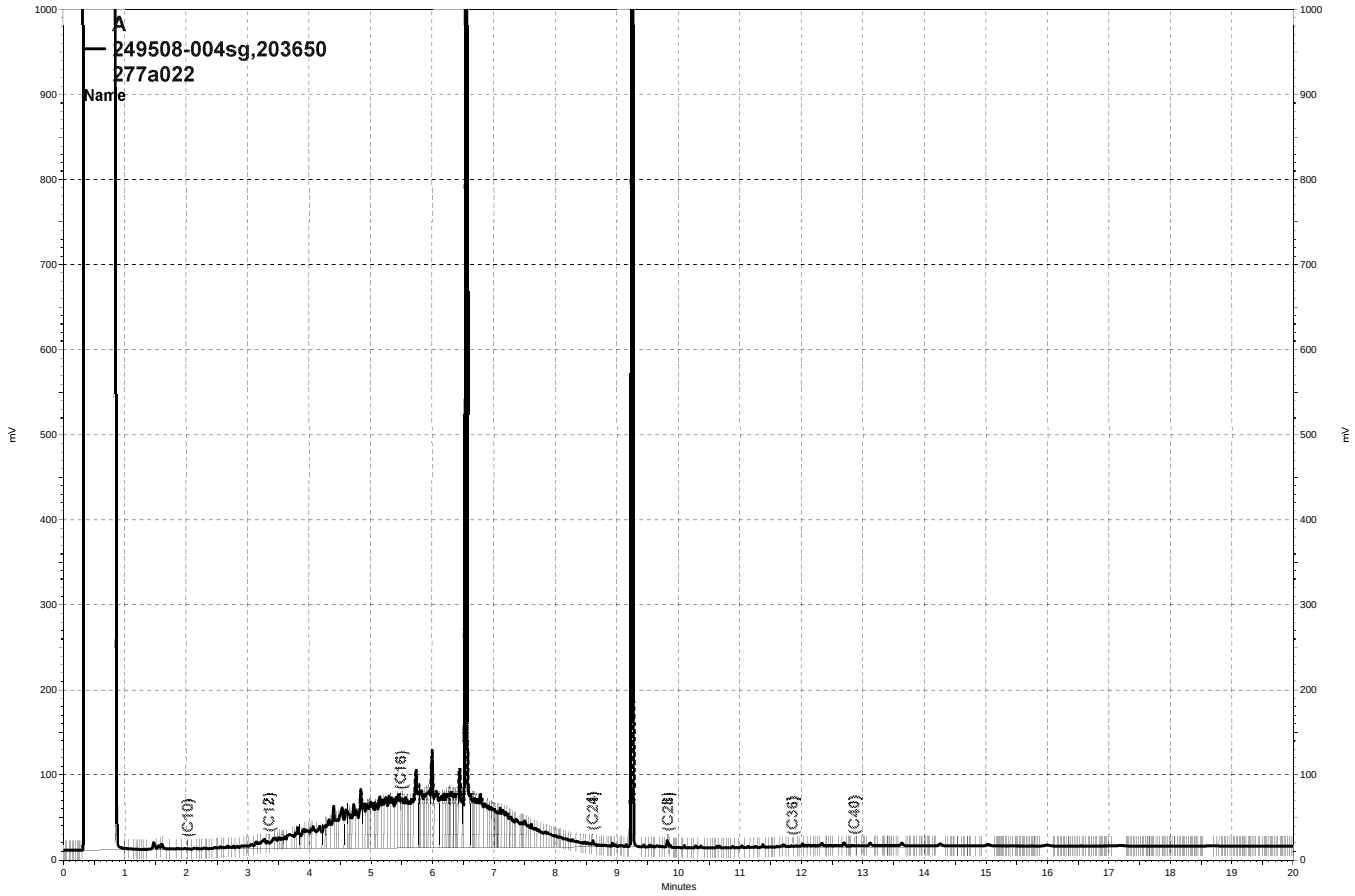

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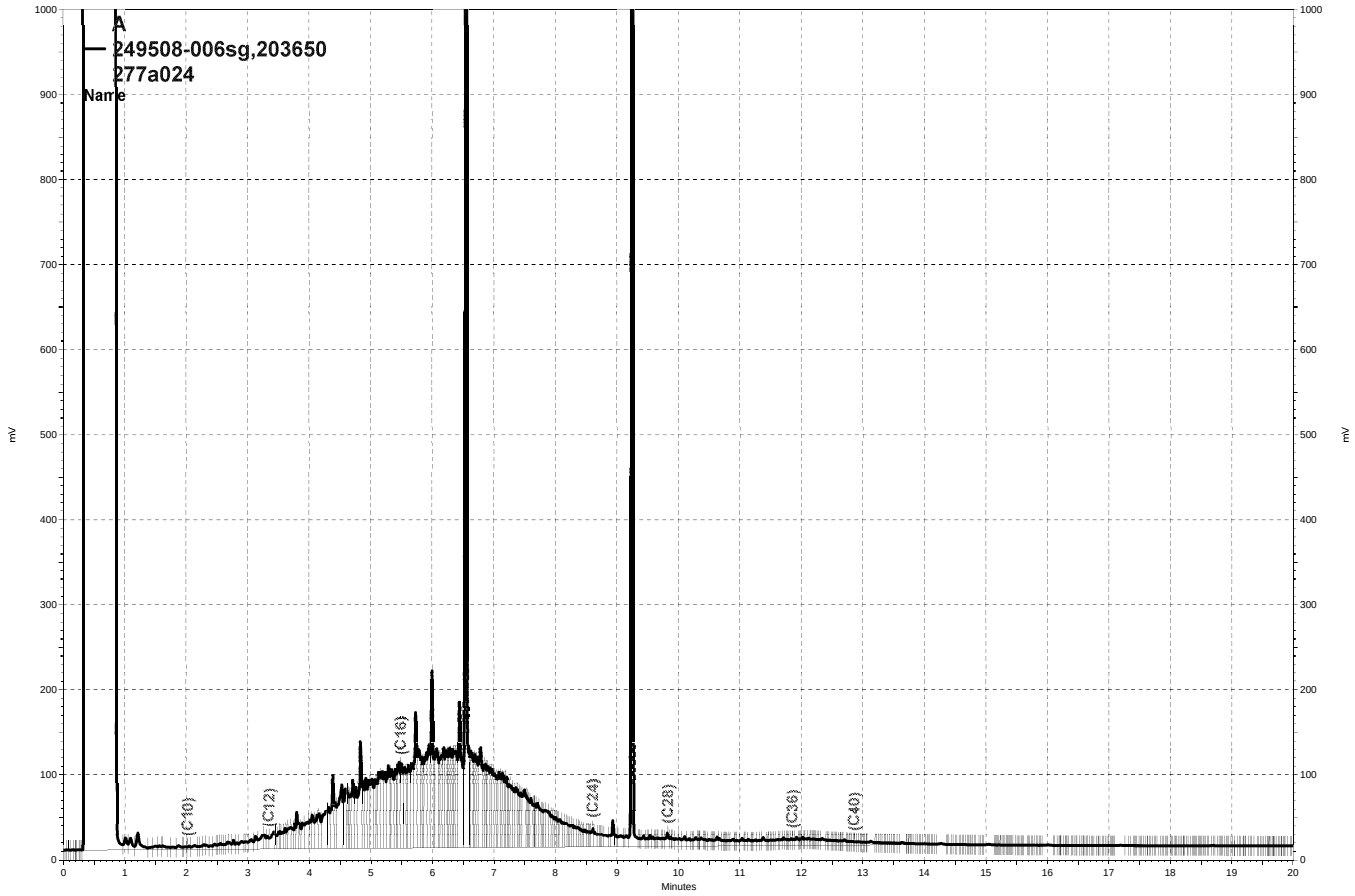

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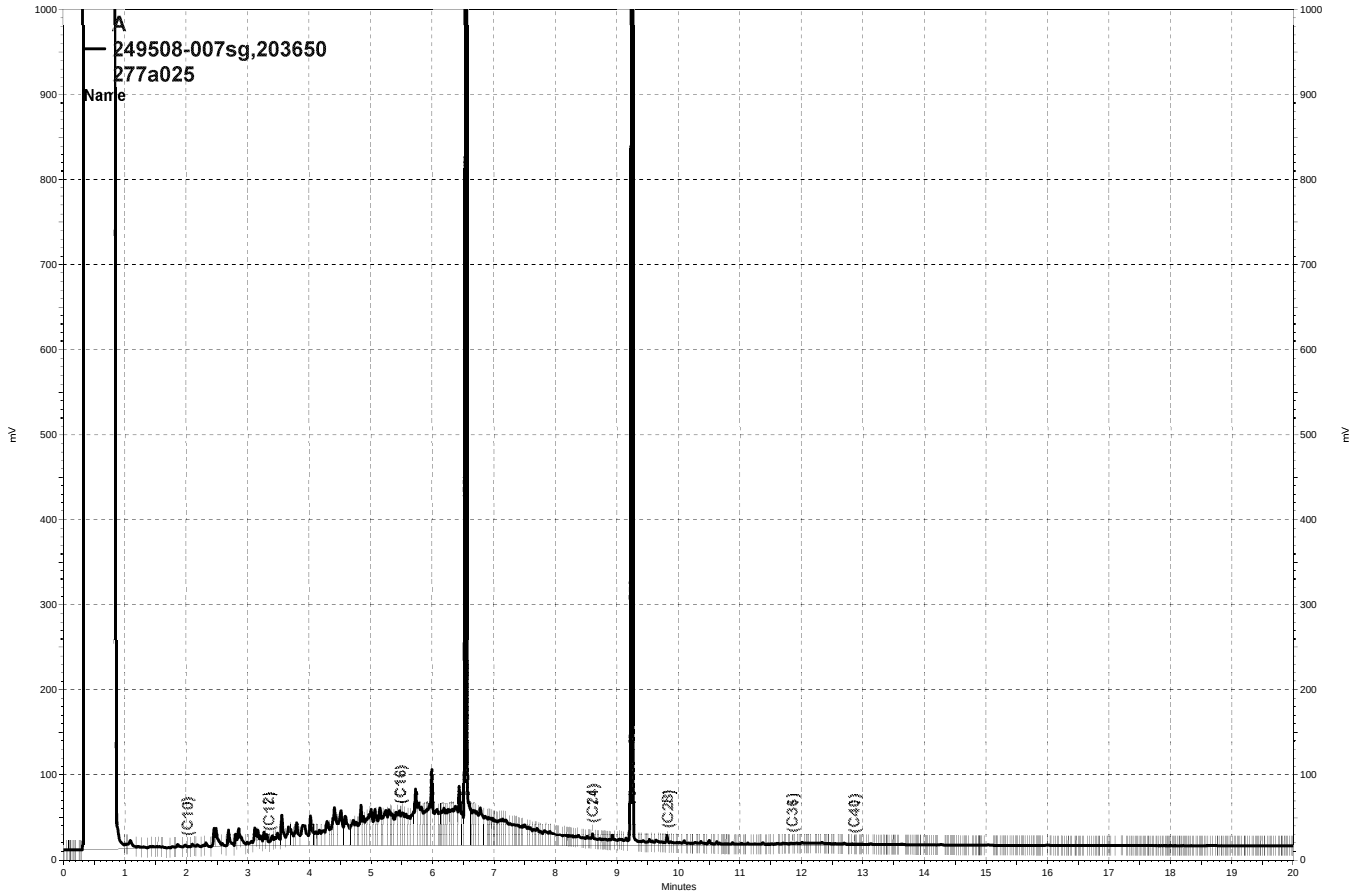

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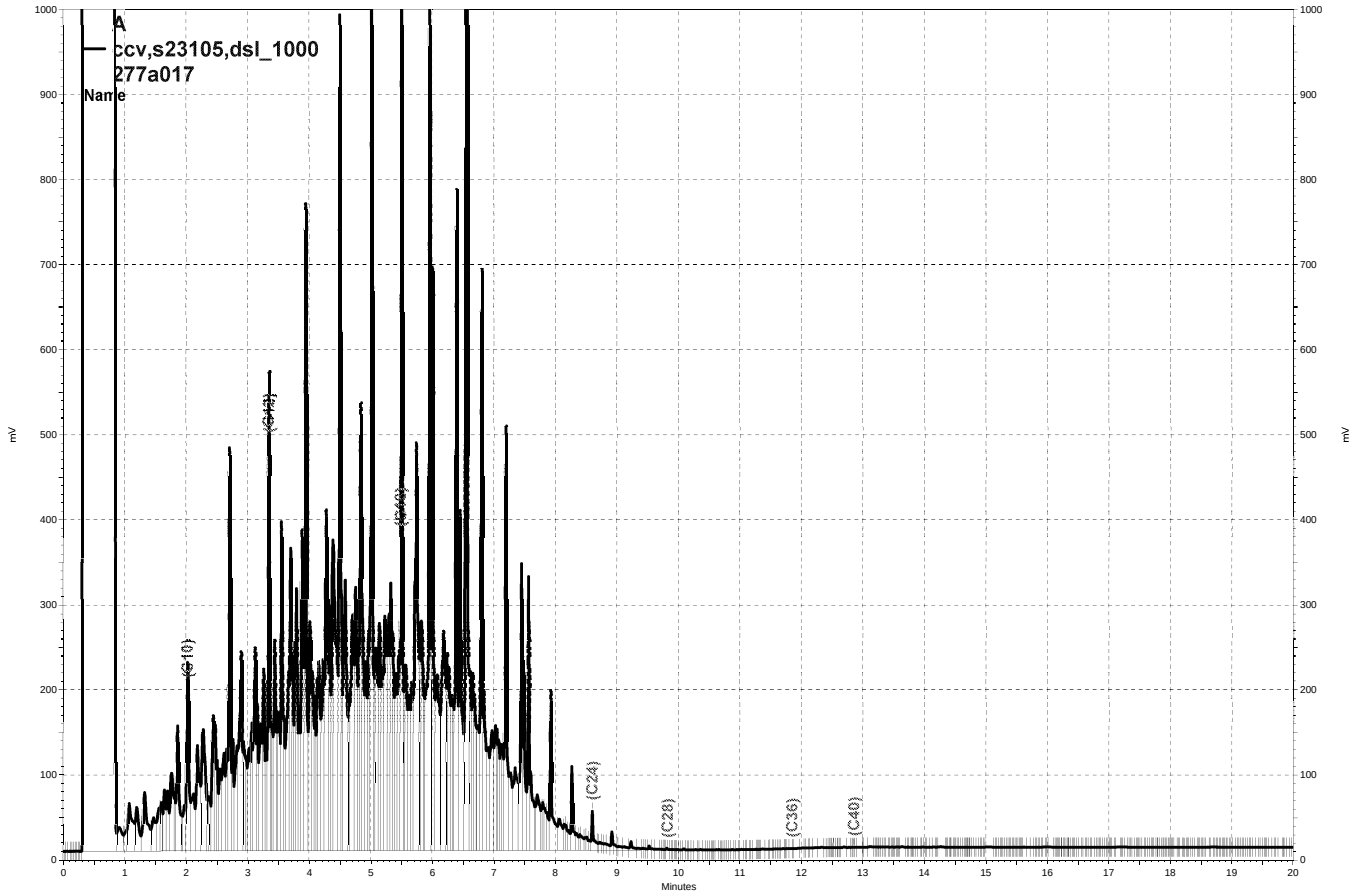

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Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-1R	Batch#:	203581
Lab ID:	249508-001	Sampled:	09/27/13
Matrix:	Water	Received:	09/30/13
Units:	ug/L	Analyzed:	10/01/13
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Naphthalene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	106	77-134
1,2-Dichloroethane-d4	118	72-140
Toluene-d8	96	80-120
Bromofluorobenzene	99	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	203581
Lab ID:	249508-002	Sampled:	09/27/13
Matrix:	Water	Received:	09/30/13
Units:	ug/L	Analyzed:	10/01/13
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	0.6	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Naphthalene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	105	77-134
1,2-Dichloroethane-d4	117	72-140
Toluene-d8	96	80-120
Bromofluorobenzene	98	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-4	Batch#:	203581
Lab ID:	249508-003	Sampled:	09/27/13
Matrix:	Water	Received:	09/30/13
Units:	ug/L	Analyzed:	10/01/13
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	1.5	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Naphthalene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	104	77-134
1,2-Dichloroethane-d4	117	72-140
Toluene-d8	96	80-120
Bromofluorobenzene	99	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-7R	Batch#:	203581
Lab ID:	249508-004	Sampled:	09/27/13
Matrix:	Water	Received:	09/30/13
Units:	ug/L	Analyzed:	10/01/13
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	1.9	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	0.8	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Naphthalene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	104	77-134
1,2-Dichloroethane-d4	117	72-140
Toluene-d8	96	80-120
Bromofluorobenzene	100	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-8	Batch#:	203581
Lab ID:	249508-005	Sampled:	09/27/13
Matrix:	Water	Received:	09/30/13
Units:	ug/L	Analyzed:	10/01/13
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	1.8	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Naphthalene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	105	77-134
1,2-Dichloroethane-d4	121	72-140
Toluene-d8	96	80-120
Bromofluorobenzene	99	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	OW-1	Batch#:	203581
Lab ID:	249508-006	Sampled:	09/27/13
Matrix:	Water	Received:	09/30/13
Units:	ug/L	Analyzed:	10/01/13
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	4.6	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Naphthalene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	104	77-134
1,2-Dichloroethane-d4	119	72-140
Toluene-d8	97	80-120
Bromofluorobenzene	98	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	OW-2	Batch#:	203581
Lab ID:	249508-007	Sampled:	09/27/13
Matrix:	Water	Received:	09/30/13
Units:	ug/L	Analyzed:	10/01/13
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	12	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Naphthalene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	104	77-134
1,2-Dichloroethane-d4	116	72-140
Toluene-d8	95	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	QCEB	Batch#:	203581
Lab ID:	249508-009	Sampled:	09/27/13
Matrix:	Water	Received:	09/30/13
Units:	ug/L	Analyzed:	10/01/13
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Naphthalene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	105	77-134
1,2-Dichloroethane-d4	117	72-140
Toluene-d8	97	80-120
Bromofluorobenzene	99	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC709893	Batch#:	203581
Matrix:	Water	Analyzed:	10/01/13
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Naphthalene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	105	77-134
1,2-Dichloroethane-d4	114	72-140
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	249508	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	203581
Units:	ug/L	Analyzed:	10/01/13
Diln Fac:	1.000		

Type: BS Lab ID: QC709894

Analyte	Spiked	Result	%REC	Limits
MTBE	20.00	20.80	104	58-120
Isopropyl Ether (DIPE)	20.00	17.31	87	52-123
Ethyl tert-Butyl Ether (ETBE)	20.00	19.30	97	57-120
1,2-Dichloroethane	20.00	24.07	120	73-136
Benzene	20.00	19.58	98	78-125
Methyl tert-Amyl Ether (TAME)	20.00	20.11	101	59-120
Toluene	20.00	19.26	96	79-123
1,2-Dibromoethane	20.00	21.50	107	78-120
Ethylbenzene	20.00	20.14	101	80-126
m,p-Xylenes	40.00	42.58	106	80-123
o-Xylene	20.00	21.12	106	75-120
Naphthalene	20.00	21.93	110	56-136

Surrogate	%REC	Limits
Dibromofluoromethane	100	77-134
1,2-Dichloroethane-d4	115	72-140
Toluene-d8	97	80-120
Bromofluorobenzene	98	80-120

Type: BSD Lab ID: QC709895

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	20.00	21.18	106	58-120	2	23
Isopropyl Ether (DIPE)	20.00	17.21	86	52-123	1	20
Ethyl tert-Butyl Ether (ETBE)	20.00	19.19	96	57-120	1	23
1,2-Dichloroethane	20.00	23.78	119	73-136	1	20
Benzene	20.00	18.76	94	78-125	4	20
Methyl tert-Amyl Ether (TAME)	20.00	20.09	100	59-120	0	22
Toluene	20.00	18.61	93	79-123	3	20
1,2-Dibromoethane	20.00	21.70	108	78-120	1	20
Ethylbenzene	20.00	19.46	97	80-126	3	20
m,p-Xylenes	40.00	40.80	102	80-123	4	20
o-Xylene	20.00	20.17	101	75-120	5	20
Naphthalene	20.00	21.35	107	56-136	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	77-134
1,2-Dichloroethane-d4	115	72-140
Toluene-d8	96	80-120
Bromofluorobenzene	97	80-120

RPD= Relative Percent Difference

Northern California ACCUTEST LABORATORIES

06/13/14

Technical Report for

Penske Truck Leasing Co., L.P.

Stantec Consulting,725 Julie Ann Way Oakland

140604-DU1

Accutest Job Number: C34411

Sampling Date: 06/04/14

Report to:

Stantec Consulting
1340 Treat Blvd, Suite 300
Walnut Creek, CA
eva.hey@stantec.com; christopher.hawk@penske.com

ATTN: Eva Hey

Total number of pages in report: **115**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: OR (CA300006) CA (08258CA) CA (ELAP 2910) AZ (AZ0762) DoD ELAP (L-A-B L2242)

Sections: 1 2 3 4 5 6 7 8

Table of Contents

Accutest Laboratories

Sample Summary

Penske Truck Leasing Co., L.P.

Job No: C34411

Stantec Consulting, 725 Julie Ann Way Oakland
Project No: 140604-DU1

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C34411-1	06/04/14	13:40	DA	06/05/14	AQ	Ground Water	MW-1R
C34411-2	06/04/14	11:40	DA	06/05/14	AQ	Ground Water	M2-2
C34411-3	06/04/14	11:05	DA	06/05/14	AQ	Ground Water	M2-3
C34411-4	06/04/14	15:00	DA	06/05/14	AQ	Ground Water	M2-4
C34411-5	06/04/14	10:22	DA	06/05/14	AQ	Ground Water	M2-5
C34411-6	06/04/14	09:37	DA	06/05/14	AQ	Ground Water	M2-6
C34411-7	06/04/14	13:10	DA	06/05/14	AQ	Ground Water	M2-7R
C34411-8	06/04/14	12:10	DA	06/05/14	AQ	Ground Water	M2-8
C34411-9	06/04/14	14:10	DA	06/05/14	AQ	Ground Water	OW-1
C34411-10	06/04/14	14:40	DA	06/05/14	AQ	Ground Water	OW-2
C34411-11	06/04/14	15:30	DA	06/05/14	AQ	Equipment Blank	QCEB
C34411-12	06/04/14	00:00	DA	06/05/14	AQ	Trip Blank Water	QCTB

Summary of Hits

Job Number: C34411
Account: Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland
Collected: 06/04/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C34411-1	**MW-1R**					
Acetone		8.6 J	20	4.0	ug/l	SW846 8260B
Acenaphthene		0.51	0.48	0.048	ug/l	SW846 8270C BY SIM
Fluoranthene		0.052 J	0.48	0.048	ug/l	SW846 8270C BY SIM
Fluorene		1.2	0.48	0.048	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene		5.8	0.48	0.096	ug/l	SW846 8270C BY SIM
Phenanthrene		0.38 J	0.48	0.048	ug/l	SW846 8270C BY SIM
Pyrene		0.058 J	0.48	0.048	ug/l	SW846 8270C BY SIM
TPH-GRO (C6-C10)		0.0215 J	0.050	0.020	mg/l	SW846 8015B
TPH (C10-C28)		0.570	0.096	0.024	mg/l	SW846 8015B M
C34411-2	**M2-2**					
Methyl Tert Butyl Ether		0.40 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		1.4	1.0	0.20	ug/l	SW846 8260B
C34411-3	**M2-3**					
Ethylbenzene [a]		2.6 J	10	2.0	ug/l	SW846 8260B
TPH (C10-C28)		0.0288 J	0.097	0.024	mg/l	SW846 8015B M
C34411-4	**M2-4**					
Methyl Tert Butyl Ether		1.2	1.0	0.20	ug/l	SW846 8260B
Acenaphthene		0.13 J	0.48	0.048	ug/l	SW846 8270C BY SIM
Fluorene		0.11 J	0.48	0.048	ug/l	SW846 8270C BY SIM
Pyrene		0.069 J	0.48	0.048	ug/l	SW846 8270C BY SIM
TPH (C10-C28)		1.83	0.094	0.024	mg/l	SW846 8015B M
C34411-5	**M2-5**					
Acetone		15.9 J	20	4.0	ug/l	SW846 8260B
Methyl Tert Butyl Ether		0.80 J	1.0	0.20	ug/l	SW846 8260B
Benzo(b)fluoranthene		0.043 J	0.096	0.034	ug/l	SW846 8270C BY SIM
TPH (C10-C28)		0.108	0.097	0.024	mg/l	SW846 8015B M
C34411-6	**M2-6**					
Methyl Tert Butyl Ether		4.3	1.0	0.20	ug/l	SW846 8260B
C34411-7	**M2-7R**					
Benzene		0.64 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		0.22 J	1.0	0.20	ug/l	SW846 8260B

Summary of Hits

Job Number: C34411
Account: Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland
Collected: 06/04/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chrysene		0.053 J	0.096	0.043	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene		0.12 J	0.48	0.096	ug/l	SW846 8270C BY SIM
Pyrene		0.18 J	0.48	0.048	ug/l	SW846 8270C BY SIM
TPH-GRO (C6-C10)		0.0638	0.050	0.020	mg/l	SW846 8015B
TPH (C10-C28)		2.20	0.20	0.050	mg/l	SW846 8015B M
C34411-8	**M2-8**					
Methyl Tert Butyl Ether		1.3	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		1.1	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		0.50 J	1.0	0.20	ug/l	SW846 8260B
Fluoranthene		0.065 J	0.48	0.048	ug/l	SW846 8270C BY SIM
Pyrene		0.054 J	0.48	0.048	ug/l	SW846 8270C BY SIM
TPH (C10-C28)		0.0357 J	0.097	0.024	mg/l	SW846 8015B M
C34411-9	**OW-1**					
Methyl Tert Butyl Ether		2.3	1.0	0.20	ug/l	SW846 8260B
Tert-Butyl Alcohol		15.0	10	2.4	ug/l	SW846 8260B
Acenaphthene		0.12 J	0.48	0.048	ug/l	SW846 8270C BY SIM
TPH-GRO (C6-C10)		0.0253 J	0.050	0.020	mg/l	SW846 8015B
TPH (C10-C28)		1.62	0.098	0.025	mg/l	SW846 8015B M
C34411-10	**OW-2**					
Acetone		8.9 J	20	4.0	ug/l	SW846 8260B
tert-Butylbenzene		0.49 J	2.0	0.28	ug/l	SW846 8260B
Methyl Tert Butyl Ether		5.1	1.0	0.20	ug/l	SW846 8260B
Tert-Butyl Alcohol		11.3	10	2.4	ug/l	SW846 8260B
Acenaphthene		0.11 J	0.48	0.048	ug/l	SW846 8270C BY SIM
Benzo(b)fluoranthene		0.046 J	0.096	0.034	ug/l	SW846 8270C BY SIM
Benzo(k)fluoranthene		0.040 J	0.096	0.037	ug/l	SW846 8270C BY SIM
Chrysene		0.050 J	0.096	0.043	ug/l	SW846 8270C BY SIM
Fluoranthene		0.12 J	0.48	0.048	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene		0.13 J	0.48	0.096	ug/l	SW846 8270C BY SIM
Pyrene		0.10 J	0.48	0.048	ug/l	SW846 8270C BY SIM
TPH-GRO (C6-C10)		0.0637	0.050	0.020	mg/l	SW846 8015B
TPH (C10-C28)		1.81	0.098	0.025	mg/l	SW846 8015B M
C34411-11	**QCEB**					
Acetone		46.8	20	4.0	ug/l	SW846 8260B
Methyl ethyl ketone		9.5 J	10	2.0	ug/l	SW846 8260B
Tert-Butyl Alcohol		10.3	10	2.4	ug/l	SW846 8260B
TPH (C10-C28)		0.0416 J	0.096	0.024	mg/l	SW846 8015B M

Summary of Hits

Job Number: C34411
Account: Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland
Collected: 06/04/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

C34411-12 QCTB

No hits reported in this sample.

(a) Dilution required due to sample foaming. Sample vial contained more than 0.5cm of sediment.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1R		
Lab Sample ID:	C34411-1	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q21800.D	1	06/10/14	RD	n/a	n/a	VQ905
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.6	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1R		
Lab Sample ID:	C34411-1	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	111%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1R		
Lab Sample ID:	C34411-1	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1R		
Lab Sample ID:	C34411-1	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X37049.D	1	06/06/14	AA	06/05/14	OP10162	EX1610
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.51	0.48	0.048	ug/l	
208-96-8	Acenaphthylene	ND	0.48	0.048	ug/l	
120-12-7	Anthracene	ND	0.48	0.048	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.096	0.051	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.096	0.039	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.096	0.034	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.096	0.035	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.096	0.037	ug/l	
218-01-9	Chrysene	ND	0.096	0.043	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.096	0.034	ug/l	
206-44-0	Fluoranthene	0.052	0.48	0.048	ug/l	J
86-73-7	Fluorene	1.2	0.48	0.048	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.096	0.034	ug/l	
90-12-0	1-Methylnaphthalene	5.8	0.48	0.096	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.48	0.096	ug/l	
91-20-3	Naphthalene	ND	0.48	0.096	ug/l	
85-01-8	Phenanthrene	0.38	0.48	0.048	ug/l	J
129-00-0	Pyrene	0.058	0.48	0.048	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		31-128%
321-60-8	2-Fluorobiphenyl	65%		34-123%
1718-51-0	Terphenyl-d14	79%		43-136%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1R		
Lab Sample ID:	C34411-1	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK44819.D	1	06/07/14	TT	n/a	n/a	GJK1834
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0215	0.050	0.020	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	100%		51-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1R		
Lab Sample ID:	C34411-1	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH314129.D	1	06/07/14	AG	06/06/14	OP10170	GHH1278
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.570	0.096	0.024	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	68%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: M2-2
Lab Sample ID: C34411-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Stantec Consulting,725 Julie Ann Way Oakland

Date Sampled: 06/04/14
Date Received: 06/05/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q21801.D	1	06/10/14	RD	n/a	n/a	VQ905
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: M2-2
Lab Sample ID: C34411-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Stantec Consulting,725 Julie Ann Way Oakland

Date Sampled: 06/04/14
Date Received: 06/05/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.40	1.0	0.20	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	1.4	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	109%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-2		
Lab Sample ID:	C34411-2	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-2		
Lab Sample ID:	C34411-2	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X37050.D	1	06/06/14	AA	06/05/14	OP10162	EX1610
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.48	0.048	ug/l	
208-96-8	Acenaphthylene	ND	0.48	0.048	ug/l	
120-12-7	Anthracene	ND	0.48	0.048	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.096	0.051	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.096	0.039	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.096	0.034	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.096	0.035	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.096	0.037	ug/l	
218-01-9	Chrysene	ND	0.096	0.043	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.096	0.034	ug/l	
206-44-0	Fluoranthene	ND	0.48	0.048	ug/l	
86-73-7	Fluorene	ND	0.48	0.048	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.096	0.034	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.48	0.096	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.48	0.096	ug/l	
91-20-3	Naphthalene	ND	0.48	0.096	ug/l	
85-01-8	Phenanthrene	ND	0.48	0.048	ug/l	
129-00-0	Pyrene	ND	0.48	0.048	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		31-128%
321-60-8	2-Fluorobiphenyl	77%		34-123%
1718-51-0	Terphenyl-d14	88%		43-136%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-2		
Lab Sample ID:	C34411-2	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK44820.D	1	06/07/14	TT	n/a	n/a	GJK1834
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	96%		51-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-2		
Lab Sample ID:	C34411-2	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH314130.D	1	06/07/14	AG	06/06/14	OP10170	GHH1278
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.10	0.026	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	78%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-3		
Lab Sample ID:	C34411-3	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	Q21802.D	10	06/10/14	RD	n/a	n/a	VQ905
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	40	ug/l	
71-43-2	Benzene	ND	10	2.0	ug/l	
108-86-1	Bromobenzene	ND	10	2.0	ug/l	
74-97-5	Bromochloromethane	ND	10	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	2.2	ug/l	
104-51-8	n-Butylbenzene	ND	20	2.0	ug/l	
135-98-8	sec-Butylbenzene	ND	20	2.0	ug/l	
98-06-6	tert-Butylbenzene	ND	20	2.8	ug/l	
108-90-7	Chlorobenzene	ND	10	2.0	ug/l	
75-00-3	Chloroethane	ND	10	2.0	ug/l	
67-66-3	Chloroform	ND	10	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	20	2.0	ug/l	
106-43-4	p-Chlorotoluene	ND	20	2.6	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	2.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	10	2.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	4.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	10	2.0	ug/l	
108-20-3	Di-Isopropyl ether	ND	20	2.2	ug/l	
594-20-7	2,2-Dichloropropane	ND	10	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	2.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	2.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-3		
Lab Sample ID:	C34411-3	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	2.6	10	2.0	ug/l	J
637-92-3	Ethyl Tert Butyl Ether	ND	20	2.2	ug/l	
591-78-6	2-Hexanone	ND	100	20	ug/l	
87-68-3	Hexachlorobutadiene	ND	20	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	10	2.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	20	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	10	ug/l	
74-83-9	Methyl bromide	ND	20	2.0	ug/l	
74-87-3	Methyl chloride	ND	10	3.0	ug/l	
74-95-3	Methylene bromide	ND	10	2.0	ug/l	
75-09-2	Methylene chloride	ND	100	20	ug/l	
78-93-3	Methyl ethyl ketone	ND	100	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.0	ug/l	
91-20-3	Naphthalene	ND	50	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	20	2.0	ug/l	
100-42-5	Styrene	ND	10	2.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	20	4.0	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	100	24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.2	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	20	2.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	20	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	2.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	20	2.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	20	2.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	3.0	ug/l	
108-88-3	Toluene	ND	10	2.0	ug/l	
79-01-6	Trichloroethylene	ND	10	2.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	ND	20	4.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	108%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-3		
Lab Sample ID:	C34411-3	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		70-130%

(a) Dilution required due to sample foaming. Sample vial contained more than 0.5cm of sediment.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-3		
Lab Sample ID:	C34411-3	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X37051.D	1	06/06/14	AA	06/05/14	OP10162	EX1610
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.48	0.048	ug/l	
208-96-8	Acenaphthylene	ND	0.48	0.048	ug/l	
120-12-7	Anthracene	ND	0.48	0.048	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.095	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.095	0.039	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.095	0.033	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.095	0.034	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.095	0.037	ug/l	
218-01-9	Chrysene	ND	0.095	0.043	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.095	0.033	ug/l	
206-44-0	Fluoranthene	ND	0.48	0.048	ug/l	
86-73-7	Fluorene	ND	0.48	0.048	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.095	0.033	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.48	0.095	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.48	0.095	ug/l	
91-20-3	Naphthalene	ND	0.48	0.095	ug/l	
85-01-8	Phenanthrene	ND	0.48	0.048	ug/l	
129-00-0	Pyrene	ND	0.48	0.048	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		31-128%
321-60-8	2-Fluorobiphenyl	72%		34-123%
1718-51-0	Terphenyl-d14	85%		43-136%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-3		
Lab Sample ID:	C34411-3	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK44821.D	1	06/07/14	TT	n/a	n/a	GJK1834
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	102%		51-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-3		
Lab Sample ID:	C34411-3	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH314131.D	1	06/07/14	AG	06/06/14	OP10170	GHH1278
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.0288	0.097	0.024	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	72%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: M2-4
Lab Sample ID: C34411-4
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Stantec Consulting,725 Julie Ann Way Oakland

Date Sampled: 06/04/14
Date Received: 06/05/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q21803.D	1	06/10/14	RD	n/a	n/a	VQ905
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-4		
Lab Sample ID:	C34411-4	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.2	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	109%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-4		
Lab Sample ID:	C34411-4	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-4		
Lab Sample ID:	C34411-4	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X37052.D	1	06/06/14	AA	06/05/14	OP10162	EX1610
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.13	0.48	0.048	ug/l	J
208-96-8	Acenaphthylene	ND	0.48	0.048	ug/l	
120-12-7	Anthracene	ND	0.48	0.048	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.096	0.051	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.096	0.039	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.096	0.034	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.096	0.035	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.096	0.037	ug/l	
218-01-9	Chrysene	ND	0.096	0.043	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.096	0.034	ug/l	
206-44-0	Fluoranthene	ND	0.48	0.048	ug/l	
86-73-7	Fluorene	0.11	0.48	0.048	ug/l	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.096	0.034	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.48	0.096	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.48	0.096	ug/l	
91-20-3	Naphthalene	ND	0.48	0.096	ug/l	
85-01-8	Phenanthrene	ND	0.48	0.048	ug/l	
129-00-0	Pyrene	0.069	0.48	0.048	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		31-128%
321-60-8	2-Fluorobiphenyl	79%		34-123%
1718-51-0	Terphenyl-d14	98%		43-136%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-4		
Lab Sample ID:	C34411-4	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK44825.D	1	06/07/14	TT	n/a	n/a	GJK1834
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	86%		51-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-4		
Lab Sample ID:	C34411-4	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH314133.D	1	06/07/14	AG	06/06/14	OP10170	GHH1278
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.83	0.094	0.024	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	80%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-5		
Lab Sample ID:	C34411-5	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q21804.D	1	06/10/14	RD	n/a	n/a	VQ905
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	15.9	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-5		
Lab Sample ID:	C34411-5	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.80	1.0	0.20	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	108%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-5		
Lab Sample ID:	C34411-5	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-5		
Lab Sample ID:	C34411-5	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X37053.D	1	06/06/14	AA	06/05/14	OP10162	EX1610
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.48	0.048	ug/l	
208-96-8	Acenaphthylene	ND	0.48	0.048	ug/l	
120-12-7	Anthracene	ND	0.48	0.048	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.096	0.051	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.096	0.039	ug/l	
205-99-2	Benzo(b)fluoranthene	0.043	0.096	0.034	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	0.096	0.035	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.096	0.037	ug/l	
218-01-9	Chrysene	ND	0.096	0.043	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.096	0.034	ug/l	
206-44-0	Fluoranthene	ND	0.48	0.048	ug/l	
86-73-7	Fluorene	ND	0.48	0.048	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.096	0.034	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.48	0.096	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.48	0.096	ug/l	
91-20-3	Naphthalene	ND	0.48	0.096	ug/l	
85-01-8	Phenanthrene	ND	0.48	0.048	ug/l	
129-00-0	Pyrene	ND	0.48	0.048	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	87%		31-128%
321-60-8	2-Fluorobiphenyl	89%		34-123%
1718-51-0	Terphenyl-d14	107%		43-136%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-5		
Lab Sample ID:	C34411-5	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK44826.D	1	06/07/14	TT	n/a	n/a	GJK1834
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	98%		51-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-5		
Lab Sample ID:	C34411-5	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH314134.D	1	06/07/14	AG	06/06/14	OP10170	GHH1278
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.108	0.097	0.024	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	73%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-6		
Lab Sample ID:	C34411-6	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q21805.D	1	06/10/14	RD	n/a	n/a	VQ905
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-6		
Lab Sample ID:	C34411-6	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.3	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	109%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-6		
Lab Sample ID:	C34411-6	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-6		
Lab Sample ID:	C34411-6	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X37054.D	1	06/06/14	AA	06/05/14	OP10162	EX1610
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.48	0.048	ug/l	
208-96-8	Acenaphthylene	ND	0.48	0.048	ug/l	
120-12-7	Anthracene	ND	0.48	0.048	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.095	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.095	0.039	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.095	0.033	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.095	0.034	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.095	0.037	ug/l	
218-01-9	Chrysene	ND	0.095	0.043	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.095	0.033	ug/l	
206-44-0	Fluoranthene	ND	0.48	0.048	ug/l	
86-73-7	Fluorene	ND	0.48	0.048	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.095	0.033	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.48	0.095	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.48	0.095	ug/l	
91-20-3	Naphthalene	ND	0.48	0.095	ug/l	
85-01-8	Phenanthrene	ND	0.48	0.048	ug/l	
129-00-0	Pyrene	ND	0.48	0.048	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	88%		31-128%
321-60-8	2-Fluorobiphenyl	88%		34-123%
1718-51-0	Terphenyl-d14	102%		43-136%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-6		
Lab Sample ID:	C34411-6	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK44827.D	1	06/07/14	TT	n/a	n/a	GJK1834
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	96%		51-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-6		
Lab Sample ID:	C34411-6	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH314135.D	1	06/07/14	AG	06/06/14	OP10170	GHH1278
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.094	0.024	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	72%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-7R		
Lab Sample ID:	C34411-7	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q21806.D	1	06/10/14	RD	n/a	n/a	VQ905
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	0.64	1.0	0.20	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.22	1.0	0.20	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-7R		
Lab Sample ID:	C34411-7	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	110%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-7R		
Lab Sample ID:	C34411-7	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-7R		
Lab Sample ID:	C34411-7	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X37055.D	1	06/06/14	AA	06/05/14	OP10162	EX1610
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.48	0.048	ug/l	
208-96-8	Acenaphthylene	ND	0.48	0.048	ug/l	
120-12-7	Anthracene	ND	0.48	0.048	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.096	0.051	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.096	0.039	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.096	0.034	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.096	0.035	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.096	0.037	ug/l	
218-01-9	Chrysene	0.053	0.096	0.043	ug/l	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.096	0.034	ug/l	
206-44-0	Fluoranthene	ND	0.48	0.048	ug/l	
86-73-7	Fluorene	ND	0.48	0.048	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.096	0.034	ug/l	
90-12-0	1-Methylnaphthalene	0.12	0.48	0.096	ug/l	J
91-57-6	2-Methylnaphthalene	ND	0.48	0.096	ug/l	
91-20-3	Naphthalene	ND	0.48	0.096	ug/l	
85-01-8	Phenanthrene	ND	0.48	0.048	ug/l	
129-00-0	Pyrene	0.18	0.48	0.048	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	92%		31-128%
321-60-8	2-Fluorobiphenyl	90%		34-123%
1718-51-0	Terphenyl-d14	104%		43-136%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-7R		
Lab Sample ID:	C34411-7	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK44828.D	1	06/07/14	TT	n/a	n/a	GJK1834
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0638	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	95%		51-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-7R		
Lab Sample ID:	C34411-7	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH314204.D	2	06/10/14	AG	06/06/14	OP10170	GHH1280
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	2.20	0.20	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	82%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-8		
Lab Sample ID:	C34411-8	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46271.D	1	06/11/14	BD	n/a	n/a	VW1664
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane [a]	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-8		
Lab Sample ID:	C34411-8	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.3	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	1.1	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	0.50	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	104%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-8		
Lab Sample ID:	C34411-8	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-8		
Lab Sample ID:	C34411-8	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X37056.D	1	06/06/14	AA	06/05/14	OP10162	EX1610
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.48	0.048	ug/l	
208-96-8	Acenaphthylene	ND	0.48	0.048	ug/l	
120-12-7	Anthracene	ND	0.48	0.048	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.096	0.051	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.096	0.039	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.096	0.034	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.096	0.035	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.096	0.037	ug/l	
218-01-9	Chrysene	ND	0.096	0.043	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.096	0.034	ug/l	
206-44-0	Fluoranthene	0.065	0.48	0.048	ug/l	J
86-73-7	Fluorene	ND	0.48	0.048	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.096	0.034	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.48	0.096	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.48	0.096	ug/l	
91-20-3	Naphthalene	ND	0.48	0.096	ug/l	
85-01-8	Phenanthrene	ND	0.48	0.048	ug/l	
129-00-0	Pyrene	0.054	0.48	0.048	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		31-128%
321-60-8	2-Fluorobiphenyl	74%		34-123%
1718-51-0	Terphenyl-d14	87%		43-136%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-8		
Lab Sample ID:	C34411-8	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK44840.D	1	06/09/14	TT	n/a	n/a	GJK1835
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	95%		51-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M2-8		
Lab Sample ID:	C34411-8	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH314137.D	1	06/07/14	AG	06/06/14	OP10170	GHH1278
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.0357	0.097	0.024	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	87%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OW-1		
Lab Sample ID:	C34411-9	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46272.D	1	06/11/14	BD	n/a	n/a	VW1664
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane [a]	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OW-1		
Lab Sample ID:	C34411-9	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.3	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	15.0	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	106%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OW-1		
Lab Sample ID:	C34411-9	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OW-1		
Lab Sample ID:	C34411-9	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X37057.D	1	06/06/14	AA	06/05/14	OP10162	EX1610
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.12	0.48	0.048	ug/l	J
208-96-8	Acenaphthylene	ND	0.48	0.048	ug/l	
120-12-7	Anthracene	ND	0.48	0.048	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.096	0.051	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.096	0.039	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.096	0.034	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.096	0.035	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.096	0.037	ug/l	
218-01-9	Chrysene	ND	0.096	0.043	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.096	0.034	ug/l	
206-44-0	Fluoranthene	ND	0.48	0.048	ug/l	
86-73-7	Fluorene	ND	0.48	0.048	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.096	0.034	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.48	0.096	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.48	0.096	ug/l	
91-20-3	Naphthalene	ND	0.48	0.096	ug/l	
85-01-8	Phenanthrene	ND	0.48	0.048	ug/l	
129-00-0	Pyrene	ND	0.48	0.048	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		31-128%
321-60-8	2-Fluorobiphenyl	65%		34-123%
1718-51-0	Terphenyl-d14	82%		43-136%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OW-1		
Lab Sample ID:	C34411-9	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK44841.D	1	06/09/14	TT	n/a	n/a	GJK1835
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0253	0.050	0.020	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	94%		51-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OW-1		
Lab Sample ID:	C34411-9	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH314138.D	1	06/07/14	AG	06/06/14	OP10170	GHH1278
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.62	0.098	0.025	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	78%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: OW-2
Lab Sample ID: C34411-10
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Stantec Consulting,725 Julie Ann Way Oakland

Date Sampled: 06/04/14
Date Received: 06/05/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46273.D	1	06/11/14	BD	n/a	n/a	VW1664
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.9	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	0.49	2.0	0.28	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane [a]	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OW-2		
Lab Sample ID:	C34411-10	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	5.1	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	11.3	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	109%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OW-2		
Lab Sample ID:	C34411-10	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	107%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OW-2		
Lab Sample ID:	C34411-10	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X37058.D	1	06/06/14	AA	06/05/14	OP10162	EX1610
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.11	0.48	0.048	ug/l	J
208-96-8	Acenaphthylene	ND	0.48	0.048	ug/l	
120-12-7	Anthracene	ND	0.48	0.048	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.096	0.051	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.096	0.039	ug/l	
205-99-2	Benzo(b)fluoranthene	0.046	0.096	0.034	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	0.096	0.035	ug/l	
207-08-9	Benzo(k)fluoranthene	0.040	0.096	0.037	ug/l	J
218-01-9	Chrysene	0.050	0.096	0.043	ug/l	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.096	0.034	ug/l	
206-44-0	Fluoranthene	0.12	0.48	0.048	ug/l	J
86-73-7	Fluorene	ND	0.48	0.048	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.096	0.034	ug/l	
90-12-0	1-Methylnaphthalene	0.13	0.48	0.096	ug/l	J
91-57-6	2-Methylnaphthalene	ND	0.48	0.096	ug/l	
91-20-3	Naphthalene	ND	0.48	0.096	ug/l	
85-01-8	Phenanthrene	ND	0.48	0.048	ug/l	
129-00-0	Pyrene	0.10	0.48	0.048	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		31-128%
321-60-8	2-Fluorobiphenyl	67%		34-123%
1718-51-0	Terphenyl-d14	82%		43-136%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OW-2		
Lab Sample ID:	C34411-10	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK44831.D	1	06/07/14	TT	n/a	n/a	GJK1834
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0637	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	87%		51-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OW-2		
Lab Sample ID:	C34411-10	**Date Sampled:**	06/04/14
Matrix:	AQ - Ground Water	**Date Received:**	06/05/14
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH314139.D	1	06/07/14	AG	06/06/14	OP10170	GHH1278
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.81	0.098	0.025	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	86%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: QCEB
Lab Sample ID: C34411-11
Matrix: AQ - Equipment Blank
Method: SW846 8260B
Project: Stantec Consulting,725 Julie Ann Way Oakland

Date Sampled: 06/04/14
Date Received: 06/05/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46274.D	1	06/11/14	BD	n/a	n/a	VW1664
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	46.8	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane [a]	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	QCEB		
Lab Sample ID:	C34411-11	**Date Sampled:**	06/04/14
Matrix:	AQ - Equipment Blank	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	9.5	10	2.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	10.3	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		70-130%
2037-26-5	Toluene-D8	105%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	QCEB		
Lab Sample ID:	C34411-11	**Date Sampled:**	06/04/14
Matrix:	AQ - Equipment Blank	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: QCEB
Lab Sample ID: C34411-11
Matrix: AQ - Equipment Blank
Method: SW846 8270C BY SIM SW846 3510C
Project: Stantec Consulting,725 Julie Ann Way Oakland

Date Sampled: 06/04/14
Date Received: 06/05/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X37059.D	1	06/06/14	AA	06/05/14	OP10162	EX1610
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.50	0.050	ug/l	
208-96-8	Acenaphthylene	ND	0.50	0.050	ug/l	
120-12-7	Anthracene	ND	0.50	0.050	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.10	0.053	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	0.041	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.035	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	0.036	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.039	ug/l	
218-01-9	Chrysene	ND	0.10	0.045	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.035	ug/l	
206-44-0	Fluoranthene	ND	0.50	0.050	ug/l	
86-73-7	Fluorene	ND	0.50	0.050	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.035	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.50	0.10	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.50	0.10	ug/l	
91-20-3	Naphthalene	ND	0.50	0.10	ug/l	
85-01-8	Phenanthrene	ND	0.50	0.050	ug/l	
129-00-0	Pyrene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	91%		31-128%
321-60-8	2-Fluorobiphenyl	90%		34-123%
1718-51-0	Terphenyl-d14	104%		43-136%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	QCEB		
Lab Sample ID:	C34411-11	**Date Sampled:**	06/04/14
Matrix:	AQ - Equipment Blank	**Date Received:**	06/05/14
Method:	SW846 8015B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK44832.D	1	06/07/14	TT	n/a	n/a	GJK1834
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	93%		51-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	QCEB		
Lab Sample ID:	C34411-11	**Date Sampled:**	06/04/14
Matrix:	AQ - Equipment Blank	**Date Received:**	06/05/14
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH314140.D	1	06/07/14	AG	06/06/14	OP10170	GHH1278
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.0416	0.096	0.024	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	88%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: QCTB
Lab Sample ID: C34411-12
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Stantec Consulting,725 Julie Ann Way Oakland

Date Sampled: 06/04/14
Date Received: 06/05/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46275.D	1	06/11/14	BD	n/a	n/a	VW1664
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane [a]	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: QCTB
Lab Sample ID: C34411-12
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Stantec Consulting,725 Julie Ann Way Oakland

Date Sampled: 06/04/14
Date Received: 06/05/14
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	108%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	QCTB		
Lab Sample ID:	C34411-12	**Date Sampled:**	06/04/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/05/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	QCTB		
Lab Sample ID:	C34411-12	**Date Sampled:**	06/04/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/05/14
Method:	SW846 8015B	**Percent Solids:**	n/a
Project:	Stantec Consulting,725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK44818.D	1	06/07/14	TT	n/a	n/a	GJK1834
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	101%		51-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS # 140604-DW1

CLIENT: Stantec

SITE: Penske
725 Julie Ann Way
Oakland, CA

LAB: Accutest C34411 DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION _____

SPECIAL INSTRUCTIONS
Invoice and Report to : Stantec
Attn: Eva Hey (925) 299-9300 Ext. 237
eva.hey@stantec.com
EDF Required

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-g (8015M)	TPH-d w/SGC (8015M)	VOC's, MTBE, EDC, EDB (8260B)	SVOC's including Naphthalene (8270D SIM)					ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1R	6/4/14	1340	W	10	VOA's+Amber		X	X	X	X								-1
MW-2		1140					X	X	X	X								-2
MW-3		1105					X	X	X	X								-3
MW-4		1500					X	X	X	X								-4
MW-5		1022					X	X	X	X								-5
MW-6		0937					X	X	X	X								-6
MW-7R		1310					X	X	X	X								-7
MW-8		1210					X	X	X	X								-8
OW-1		1410					X	X	X	X								-9
OW-2		1440					X	X	X	X								-10

SAMPLING COMPLETED	DATE	TIME
	6/4/14	1530

SAMPLING PERFORMED BY: Daniel Allen

RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	6/4/14	1725		6/4/14	1725
Samantha Custodian BTS	6-5-14	1120		6-5-14	1120
Mike Mansfield	6-5-14	1205		6/5/14	1205

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

temp - 2.1, 4.1, 4.5

Pg 1 of 2

C34411: Chain of Custody
Page 1 of 3

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS # 140604-Au1

CLIENT: Stantec

SITE: Penske
725 Julie Ann Way
Oakland, CA

LAB: Accutest C34411 DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION

SPECIAL INSTRUCTIONS

Invoice and Report to : Stantec
Attn: Eva Hey (925) 299-9300 Ext. 237
eva.hey@stantec.com

EDF Required

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-g (8015M)	TPH-d w/SGC (8015M)	VOC's, MTBE, EDC, EDB (8260B)	SVOC's including Naphthalene (8270D SIM				ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
QCFB	6/4/14	1530	W	10	1L Amb's + Amb's		X	X	X	X							-11
QCTB	↓	0800	↓	3	VOA's		X		X								-12

SAMPLING COMPLETED: DATE 6/4/14 TIME 1530
SAMPLING PERFORMED BY: Daniel Allen

RESULTS NEEDED NO LATER THAN: Standard TAT

		DATE	TIME		DATE	TIME
RELEASED BY		6/4/14	1725	RECEIVED BY	6/4/14	1725
RELEASED BY	Sample Custodian BTS	6.5.14	1120	RECEIVED BY	6-5-14	11:20
RELEASED BY		6-5-14	12:05	RECEIVED BY	6/5/14	1205

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

Pg 2 of 2

C34411: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C34411 **Client:** BLAINE TECH **Project:** PENSKE

Date / Time Received: 6/5/2014 **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (2.1/2.1); #2: (4.1/4.1); #3: (4.5/4.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR2;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	3		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200
2105 Lundy Avenue
F: 408.588.0201
San Jose, CA 95131
www/accutest.com

C34411: Chain of Custody
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Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ905-MB	Q21799.D	1	06/10/14	RD	n/a	n/a	VQ905

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ905-MB	Q21799.D	1	06/10/14	RD	n/a	n/a	VQ905

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	70-130%

Method Blank Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ905-MB	Q21799.D	1	06/10/14	RD	n/a	n/a	VQ905

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	108%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Method Blank Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1664-MB	W46263.D	1	06/11/14	BD	n/a	n/a	VW1664

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-8, C34411-9, C34411-10, C34411-11, C34411-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1664-MB	W46263.D	1	06/11/14	BD	n/a	n/a	VW1664

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-8, C34411-9, C34411-10, C34411-11, C34411-12

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	111%	70-130%

Method Blank Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1664-MB	W46263.D	1	06/11/14	BD	n/a	n/a	VW1664

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-8, C34411-9, C34411-10, C34411-11, C34411-12

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ905-BS	Q21796.D	1	06/09/14	RD	n/a	n/a	VQ905
VQ905-BSD	Q21797.D	1	06/10/14	RD	n/a	n/a	VQ905

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	74.5	93	72.8	91	2	38-159/24
71-43-2	Benzene	20	19.5	98	19.3	97	1	77-122/25
108-86-1	Bromobenzene	20	20.4	102	20.2	101	1	76-126/17
74-97-5	Bromochloromethane	20	19.0	95	18.6	93	2	77-130/17
75-27-4	Bromodichloromethane	20	19.5	98	19.1	96	2	75-127/16
75-25-2	Bromoform	20	18.3	92	18.3	92	0	69-141/17
104-51-8	n-Butylbenzene	20	21.4	107	20.7	104	3	72-129/18
135-98-8	sec-Butylbenzene	20	23.0	115	22.3	112	3	74-128/18
98-06-6	tert-Butylbenzene	20	22.4	112	21.7	109	3	73-127/18
108-90-7	Chlorobenzene	20	20.4	102	20.3	102	0	77-122/16
75-00-3	Chloroethane	20	18.4	92	18.2	91	1	69-133/18
67-66-3	Chloroform	20	19.7	99	19.3	97	2	74-126/17
95-49-8	o-Chlorotoluene	20	22.7	114	22.5	113	1	72-127/20
106-43-4	p-Chlorotoluene	20	21.5	108	20.9	105	3	68-127/18
56-23-5	Carbon tetrachloride	20	21.6	108	20.3	102	6	71-133/19
75-34-3	1,1-Dichloroethane	20	19.6	98	19.2	96	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.6	98	18.7	94	5	66-125/20
563-58-6	1,1-Dichloropropene	20	22.3	112	21.7	109	3	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	21.7	109	21.6	108	0	65-131/20
106-93-4	1,2-Dibromoethane	20	20.6	103	20.5	103	0	75-135/17
107-06-2	1,2-Dichloroethane	20	20.1	101	19.6	98	3	71-131/17
78-87-5	1,2-Dichloropropane	20	20.2	101	19.8	99	2	78-124/16
142-28-9	1,3-Dichloropropane	20	20.2	101	20.2	101	0	78-123/16
108-20-3	Di-Isopropyl ether	20	20.5	103	20.2	101	1	68-129/17
594-20-7	2,2-Dichloropropane	20	17.3	87	16.5	83	5	70-131/19
124-48-1	Dibromochloromethane	20	21.0	105	21.0	105	0	76-132/16
75-71-8	Dichlorodifluoromethane	20	15.3	77	15.0	75	2	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.3	97	18.9	95	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.0	105	20.7	104	1	72-130/16
541-73-1	m-Dichlorobenzene	20	20.6	103	20.4	102	1	75-124/16
95-50-1	o-Dichlorobenzene	20	20.7	104	20.3	102	2	76-124/16
106-46-7	p-Dichlorobenzene	20	19.6	98	19.3	97	2	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	19.3	97	19.0	95	2	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	20.6	103	20.4	102	1	71-126/16
100-41-4	Ethylbenzene	20	21.0	105	20.7	104	1	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	22.4	112	22.0	110	2	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ905-BS	Q21796.D	1	06/09/14	RD	n/a	n/a	VQ905
VQ905-BSD	Q21797.D	1	06/10/14	RD	n/a	n/a	VQ905

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	84.9	106	85.1	106	0	67-150/22
87-68-3	Hexachlorobutadiene	20	19.5	98	19.0	95	3	69-135/20
98-82-8	Isopropylbenzene	20	22.1	111	21.7	109	2	61-125/17
99-87-6	p-Isopropyltoluene	20	21.1	106	20.6	103	2	68-127/18
108-10-1	4-Methyl-2-pentanone	80	71.5	89	72.6	91	2	71-142/21
74-83-9	Methyl bromide	20	15.7	79	15.6	78	1	68-132/18
74-87-3	Methyl chloride	20	16.4	82	16.0	80	2	39-150/28
74-95-3	Methylene bromide	20	19.7	99	19.6	98	1	77-127/16
75-09-2	Methylene chloride	20	18.5	93	17.8	89	4	67-128/18
78-93-3	Methyl ethyl ketone	80	75.0	94	75.6	95	1	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	21.3	107	21.0	105	1	73-132/17
91-20-3	Naphthalene	20	21.2	106	21.0	105	1	70-136/20
103-65-1	n-Propylbenzene	20	22.8	114	22.0	110	4	71-127/17
100-42-5	Styrene	20	18.1	91	18.0	90	1	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	21.5	108	21.3	107	1	73-133/17
75-65-0	Tert-Butyl Alcohol	100	108	108	108	108	0	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	20.5	103	19.9	100	3	77-130/16
71-55-6	1,1,1-Trichloroethane	20	20.4	102	19.7	99	3	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	21.1	106	20.9	105	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.8	99	19.6	98	1	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	20.2	101	19.9	100	1	70-133/18
96-18-4	1,2,3-Trichloropropane	20	19.9	100	20.1	101	1	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	19.7	99	19.4	97	2	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.6	108	21.0	105	3	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	22.1	111	21.5	108	3	77-129/17
127-18-4	Tetrachloroethylene	20	21.4	107	21.3	107	0	69-127/20
108-88-3	Toluene	20	20.4	102	20.2	101	1	75-122/17
79-01-6	Trichloroethylene	20	20.4	102	19.7	99	3	78-123/17
75-69-4	Trichlorofluoromethane	20	20.8	104	20.2	101	3	65-136/23
75-01-4	Vinyl chloride	20	17.7	89	17.1	86	3	57-146/22
1330-20-7	Xylene (total)	60	63.0	105	62.4	104	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	100%	99%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ905-BS	Q21796.D	1	06/09/14	RD	n/a	n/a	VQ905
VQ905-BSD	Q21797.D	1	06/10/14	RD	n/a	n/a	VQ905

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	107%	107%	70-130%
460-00-4	4-Bromofluorobenzene	106%	106%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1664-BS	W46260.D	1	06/11/14	BD	n/a	n/a	VW1664
VW1664-BSD	W46261.D	1	06/11/14	BD	n/a	n/a	VW1664

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-8, C34411-9, C34411-10, C34411-11, C34411-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	84.7	106	85.5	107	1	38-159/24
71-43-2	Benzene	20	20.7	104	20.5	103	1	77-122/25
108-86-1	Bromobenzene	20	20.2	101	20.3	102	0	76-126/17
74-97-5	Bromochloromethane	20	21.0	105	21.4	107	2	77-130/17
75-27-4	Bromodichloromethane	20	22.2	111	22.3	112	0	75-127/16
75-25-2	Bromoform	20	21.2	106	22.1	111	4	69-141/17
104-51-8	n-Butylbenzene	20	20.3	102	20.1	101	1	72-129/18
135-98-8	sec-Butylbenzene	20	20.4	102	20.2	101	1	74-128/18
98-06-6	tert-Butylbenzene	20	20.4	102	20.3	102	0	73-127/18
108-90-7	Chlorobenzene	20	20.4	102	20.4	102	0	77-122/16
75-00-3	Chloroethane	20	19.2	96	19.1	96	1	69-133/18
67-66-3	Chloroform	20	21.6	108	21.5	108	0	74-126/17
95-49-8	o-Chlorotoluene	20	20.5	103	20.4	102	0	72-127/20
106-43-4	p-Chlorotoluene	20	20.4	102	20.5	103	0	68-127/18
56-23-5	Carbon tetrachloride	20	22.6	113	22.0	110	3	71-133/19
75-34-3	1,1-Dichloroethane	20	21.2	106	21.3	107	0	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.7	99	19.7	99	0	66-125/20
563-58-6	1,1-Dichloropropene	20	21.5	108	21.1	106	2	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	19.9	100	20.6	103	3	65-131/20
106-93-4	1,2-Dibromoethane	20	19.6	98	20.4	102	4	75-135/17
107-06-2	1,2-Dichloroethane	20	22.3	112	22.4	112	0	71-131/17
78-87-5	1,2-Dichloropropane	20	20.5	103	20.8	104	1	78-124/16
142-28-9	1,3-Dichloropropane	20	19.8	99	20.6	103	4	78-123/16
108-20-3	Di-Isopropyl ether	20	20.4	102	21.1	106	3	68-129/17
594-20-7	2,2-Dichloropropane	20	22.2	111	21.8	109	2	70-131/19
124-48-1	Dibromochloromethane	20	21.5	108	22.2	111	3	76-132/16
75-71-8	Dichlorodifluoromethane	20	21.8	109	21.2	106	3	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.9	100	20.0	100	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.9	105	21.3	107	2	72-130/16
541-73-1	m-Dichlorobenzene	20	20.1	101	20.0	100	0	75-124/16
95-50-1	o-Dichlorobenzene	20	19.7	99	20.1	101	2	76-124/16
106-46-7	p-Dichlorobenzene	20	19.9	100	20.1	101	1	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	19.7	99	19.7	99	0	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	21.1	106	21.6	108	2	71-126/16
100-41-4	Ethylbenzene	20	20.8	104	20.7	104	0	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	20.5	103	21.2	106	3	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1664-BS	W46260.D	1	06/11/14	BD	n/a	n/a	VW1664
VW1664-BSD	W46261.D	1	06/11/14	BD	n/a	n/a	VW1664

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-8, C34411-9, C34411-10, C34411-11, C34411-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	82.7	103	88.4	111	7	67-150/22
87-68-3	Hexachlorobutadiene	20	21.2	106	20.6	103	3	69-135/20
98-82-8	Isopropylbenzene	20	21.2	106	21.1	106	0	61-125/17
99-87-6	p-Isopropyltoluene	20	20.4	102	20.2	101	1	68-127/18
108-10-1	4-Methyl-2-pentanone	80	85.7	107	91.8	115	7	71-142/21
74-83-9	Methyl bromide	20	19.6	98	19.7	99	1	68-132/18
74-87-3	Methyl chloride	20	20.1	101	19.8	99	2	39-150/28
74-95-3	Methylene bromide	20	21.7	109	21.9	110	1	77-127/16
75-09-2	Methylene chloride	20	19.9	100	20.0	100	1	67-128/18
78-93-3	Methyl ethyl ketone	80	85.0	106	89.0	111	5	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	19.6	98	20.7	104	5	73-132/17
91-20-3	Naphthalene	20	20.2	101	21.0	105	4	70-136/20
103-65-1	n-Propylbenzene	20	20.3	102	20.2	101	0	71-127/17
100-42-5	Styrene	20	21.4	107	21.4	107	0	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	19.6	98	20.5	103	4	73-133/17
75-65-0	Tert-Butyl Alcohol	100	106	106	115	115	8	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	21.5	108	21.5	108	0	77-130/16
71-55-6	1,1,1-Trichloroethane	20	21.9	110	21.8	109	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	19.2	96	20.2	101	5	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.0	100	20.8	104	4	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	20.6	103	20.9	105	1	70-133/18
96-18-4	1,2,3-Trichloropropane	20	19.7	99	20.4	102	3	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	20.3	102	20.5	103	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.5	103	20.4	102	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.6	103	20.5	103	0	77-129/17
127-18-4	Tetrachloroethylene	20	20.4	102	20.1	101	1	69-127/20
108-88-3	Toluene	20	20.7	104	20.7	104	0	75-122/17
79-01-6	Trichloroethylene	20	21.1	106	20.9	105	1	78-123/17
75-69-4	Trichlorofluoromethane	20	21.0	105	20.5	103	2	65-136/23
75-01-4	Vinyl chloride	20	18.9	95	19.4	97	3	57-146/22
1330-20-7	Xylene (total)	60	62.8	105	62.6	104	0	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	108%	109%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1664-BS	W46260.D	1	06/11/14	BD	n/a	n/a	VW1664
VW1664-BSD	W46261.D	1	06/11/14	BD	n/a	n/a	VW1664

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-8, C34411-9, C34411-10, C34411-11, C34411-12

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	102%	102%	70-130%
460-00-4	4-Bromofluorobenzene	102%	103%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34309-2MS	Q21814.D	100	06/10/14	RD	n/a	n/a	VQ905
C34309-2MSD	Q21815.D	100	06/10/14	RD	n/a	n/a	VQ905
C34309-2	Q21809.D	100	06/10/14	RD	n/a	n/a	VQ905

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7

CAS No.	Compound	C34309-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		8000	8600	108	8000	8150	102	5	38-159/24
71-43-2	Benzene	ND		2000	2050	103	2000	2010	101	2	77-122/16
108-86-1	Bromobenzene	ND		2000	2050	103	2000	2060	103	0	76-126/17
74-97-5	Bromochloromethane	ND		2000	2010	101	2000	1920	96	5	77-130/17
75-27-4	Bromodichloromethane	ND		2000	2060	103	2000	2010	101	2	75-127/16
75-25-2	Bromoform	ND		2000	1550	78	2000	1640	82	6	69-141/17
104-51-8	n-Butylbenzene	ND		2000	2070	104	2000	2070	104	0	72-129/18
135-98-8	sec-Butylbenzene	ND		2000	2260	113	2000	2270	114	0	74-128/18
98-06-6	tert-Butylbenzene	ND		2000	2200	110	2000	2230	112	1	73-127/18
108-90-7	Chlorobenzene	ND		2000	2070	104	2000	2050	103	1	77-122/16
75-00-3	Chloroethane	ND		2000	1980	99	2000	1960	98	1	69-133/18
67-66-3	Chloroform	ND		2000	2180	109	2000	2110	106	3	74-126/17
95-49-8	o-Chlorotoluene	ND		2000	2320	116	2000	2350	118	1	72-127/20
106-43-4	p-Chlorotoluene	ND		2000	2170	109	2000	2220	111	2	68-127/18
56-23-5	Carbon tetrachloride	ND		2000	2240	112	2000	2170	109	3	71-133/19
75-34-3	1,1-Dichloroethane	ND		2000	2150	108	2000	2090	105	3	71-125/17
75-35-4	1,1-Dichloroethylene	ND		2000	2030	102	2000	1950	98	4	66-125/20
563-58-6	1,1-Dichloropropene	ND		2000	2320	116	2000	2260	113	3	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	ND		2000	2250	113	2000	2240	112	0	65-131/20
106-93-4	1,2-Dibromoethane	ND		2000	2120	106	2000	2070	104	2	75-135/17
107-06-2	1,2-Dichloroethane	ND		2000	2270	114	2000	2180	109	4	71-131/17
78-87-5	1,2-Dichloropropane	ND		2000	2160	108	2000	2090	105	3	78-124/16
142-28-9	1,3-Dichloropropane	ND		2000	2130	107	2000	2070	104	3	78-123/16
108-20-3	Di-Isopropyl ether	ND		2000	2270	114	2000	2200	110	3	68-129/17
594-20-7	2,2-Dichloropropane	ND		2000	1320	66* [a]	2000	1250	63* [a]	5	70-131/19
124-48-1	Dibromochloromethane	ND		2000	2000	100	2000	2010	101	0	76-132/16
75-71-8	Dichlorodifluoromethane	ND		2000	1720	86	2000	1710	86	1	32-168/28
156-59-2	cis-1,2-Dichloroethylene	2040		2000	3980	97	2000	3880	92	3	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		2000	2060	103	2000	2000	100	3	72-130/16
541-73-1	m-Dichlorobenzene	ND		2000	2070	104	2000	2080	104	0	75-124/16
95-50-1	o-Dichlorobenzene	ND		2000	2070	104	2000	2070	104	0	76-124/16
106-46-7	p-Dichlorobenzene	ND		2000	1970	99	2000	1960	98	1	75-124/16
156-60-5	trans-1,2-Dichloroethylene	ND		2000	2010	101	2000	1980	99	2	71-126/18
10061-02-6	trans-1,3-Dichloropropene	ND		2000	1990	100	2000	1970	99	1	71-126/16
100-41-4	Ethylbenzene	ND		2000	2150	108	2000	2130	107	1	76-126/17
637-92-3	Ethyl Tert Butyl Ether	ND		2000	2440	122	2000	2350	118	4	75-134/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34309-2MS	Q21814.D	100	06/10/14	RD	n/a	n/a	VQ905
C34309-2MSD	Q21815.D	100	06/10/14	RD	n/a	n/a	VQ905
C34309-2	Q21809.D	100	06/10/14	RD	n/a	n/a	VQ905

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7

CAS No.	Compound	C34309-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		8000	9500	119	8000	9000	113	5	67-150/22
87-68-3	Hexachlorobutadiene	ND		2000	1770	89	2000	1810	91	2	69-135/20
98-82-8	Isopropylbenzene	ND		2000	2220	111	2000	2200	110	1	61-125/17
99-87-6	p-Isopropyltoluene	ND		2000	2030	102	2000	2070	104	2	68-127/18
108-10-1	4-Methyl-2-pentanone	ND		8000	7490	94	8000	7030	88	6	71-142/21
74-83-9	Methyl bromide	ND		2000	1660	83	2000	1630	82	2	68-132/18
74-87-3	Methyl chloride	ND		2000	1890	95	2000	1820	91	4	39-150/28
74-95-3	Methylene bromide	ND		2000	2150	108	2000	2050	103	5	77-127/16
75-09-2	Methylene chloride	ND		2000	1960	98	2000	1900	95	3	67-128/18
78-93-3	Methyl ethyl ketone	ND		8000	8300	104	8000	7800	98	6	56-155/23
1634-04-4	Methyl Tert Butyl Ether	ND		2000	2300	115	2000	2200	110	4	73-132/17
91-20-3	Naphthalene	ND		2000	2140	107	2000	2120	106	1	70-136/20
103-65-1	n-Propylbenzene	ND		2000	2260	113	2000	2290	115	1	71-127/17
100-42-5	Styrene	ND		2000	1820	91	2000	1800	90	1	72-134/16
994-05-8	Tert-Amyl Methyl Ether	ND		2000	2340	117	2000	2230	112	5	73-133/17
75-65-0	Tert-Butyl Alcohol	ND		10000	12200	122	10000	11500	115	6	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	ND		2000	2110	106	2000	2070	104	2	77-130/16
71-55-6	1,1,1-Trichloroethane	ND		2000	2210	111	2000	2130	107	4	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		2000	2210	111	2000	2190	110	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		2000	2090	105	2000	2020	101	3	77-125/16
87-61-6	1,2,3-Trichlorobenzene	ND		2000	1930	97	2000	1940	97	1	70-133/18
96-18-4	1,2,3-Trichloropropane	ND		2000	1980	99	2000	1940	97	2	69-126/18
120-82-1	1,2,4-Trichlorobenzene	ND		2000	1880	94	2000	1880	94	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		2000	2170	109	2000	2190	110	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		2000	2200	110	2000	2230	112	1	77-129/17
127-18-4	Tetrachloroethylene	3970		2000	6280	116	2000	6290	116	0	69-127/20
108-88-3	Toluene	ND		2000	2050	103	2000	2060	103	0	75-122/17
79-01-6	Trichloroethylene	6740		2000	9340	130* [b]	2000	9180	122	2	78-123/17
75-69-4	Trichlorofluoromethane	ND		2000	2270	114	2000	2270	114	0	65-136/23
75-01-4	Vinyl chloride	ND		2000	1900	95	2000	1890	95	1	57-146/22
1330-20-7	Xylene (total)	ND		6000	6350	106	6000	6310	105	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C34309-2	Limits
1868-53-7	Dibromofluoromethane	108%	105%	118%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34309-2MS	Q21814.D	100	06/10/14	RD	n/a	n/a	VQ905
C34309-2MSD	Q21815.D	100	06/10/14	RD	n/a	n/a	VQ905
C34309-2	Q21809.D	100	06/10/14	RD	n/a	n/a	VQ905

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7

CAS No.	Surrogate Recoveries	MS	MSD	C34309-2	Limits
2037-26-5	Toluene-D8	107%	108%	107%	70-130%
460-00-4	4-Bromofluorobenzene	108%	107%	99%	70-130%

(a) Outside control limits.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34397-7AMS	W46277.D	1	06/11/14	BD	n/a	n/a	VW1664
C34397-7AMSD	W46278.D	1	06/11/14	BD	n/a	n/a	VW1664
C34397-7A	W46264.D	1	06/11/14	BD	n/a	n/a	VW1664

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-8, C34411-9, C34411-10, C34411-11, C34411-12

CAS No.	Compound	C34397-7A ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		80	92.3	115	80	105	131	13	38-159/24
71-43-2	Benzene	ND		20	20.2	101	20	20.5	103	1	77-122/16
108-86-1	Bromobenzene	ND		20	20.4	102	20	20.4	102	0	76-126/17
74-97-5	Bromochloromethane	ND		20	22.1	111	20	23.3	117	5	77-130/17
75-27-4	Bromodichloromethane	ND		20	21.7	109	20	23.0	115	6	75-127/16
75-25-2	Bromoform	ND		20	19.8	99	20	20.4	102	3	69-141/17
104-51-8	n-Butylbenzene	ND		20	22.0	110	20	21.5	108	2	72-129/18
135-98-8	sec-Butylbenzene	ND		20	21.9	110	20	21.4	107	2	74-128/18
98-06-6	tert-Butylbenzene	ND		20	21.5	108	20	21.5	108	0	73-127/18
108-90-7	Chlorobenzene	ND		20	20.4	102	20	20.0	100	2	77-122/16
75-00-3	Chloroethane	ND		20	21.4	107	20	23.8	119	11	69-133/18
67-66-3	Chloroform	ND		20	21.9	110	20	26.5	133* [a]	19* [b]	74-126/17
95-49-8	o-Chlorotoluene	ND		20	22.9	115	20	22.7	114	1	72-127/20
106-43-4	p-Chlorotoluene	ND		20	22.9	115	20	22.6	113	1	68-127/18
56-23-5	Carbon tetrachloride	ND		20	22.1	111	20	22.0	110	0	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	21.5	108	20	26.2	131* [a]	20* [b]	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	21.2	106	20	23.2	116	9	66-125/20
563-58-6	1,1-Dichloropropene	ND		20	21.1	106	20	22.1	111	5	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	ND		20	24.1	121	20	22.5	113	7	65-131/20
106-93-4	1,2-Dibromoethane	ND		20	20.3	102	20	20.5	103	1	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	21.2	106	20	21.6	108	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.1	101	20	20.4	102	1	78-124/16
142-28-9	1,3-Dichloropropane	ND		20	20.0	100	20	21.6	108	8	78-123/16
108-20-3	Di-Isopropyl ether	ND		20	20.8	104	20	26.8	134* [a]	25* [b]	68-129/17
594-20-7	2,2-Dichloropropane	ND		20	19.7	99	20	24.1	121	20* [b]	70-131/19
124-48-1	Dibromochloromethane	ND		20	21.4	107	20	21.9	110	2	76-132/16
75-71-8	Dichlorodifluoromethane	ND		20	24.7	124	20	25.5	128	3	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.4	102	20	22.9	115	12	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	20.1	101	20	21.3	107	6	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	20.2	101	20	20.2	101	0	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	20.1	101	20	21.0	105	4	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.1	101	20	20.5	103	2	75-124/16
156-60-5	trans-1,2-Dichloroethylene	ND		20	20.9	105	20	23.1	116	10	71-126/18
10061-02-6	trans-1,3-Dichloropropene	ND		20	20.1	101	20	22.5	113	11	71-126/16
100-41-4	Ethylbenzene	ND		20	21.3	107	20	21.4	107	0	76-126/17
637-92-3	Ethyl Tert Butyl Ether	ND		20	21.0	105	20	26.8	134	24* [b]	75-134/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34397-7AMS	W46277.D	1	06/11/14	BD	n/a	n/a	VW1664
C34397-7AMSD	W46278.D	1	06/11/14	BD	n/a	n/a	VW1664
C34397-7A	W46264.D	1	06/11/14	BD	n/a	n/a	VW1664

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-8, C34411-9, C34411-10, C34411-11, C34411-12

CAS No.	Compound	C34397-7A ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		80	82.3	103	80	99.5	124	19	67-150/22
87-68-3	Hexachlorobutadiene	ND		20	19.2	96	20	21.5	108	11	69-135/20
98-82-8	Isopropylbenzene	ND		20	21.1	106	20	21.1	106	0	61-125/17
99-87-6	p-Isopropyltoluene	ND		20	21.6	108	20	21.2	106	2	68-127/18
108-10-1	4-Methyl-2-pentanone	ND		80	82.8	104	80	91.5	114	10	71-142/21
74-83-9	Methyl bromide	ND		20	20.3	102	20	22.5	113	10	68-132/18
74-87-3	Methyl chloride	ND		20	22.3	112	20	26.1	131	16	39-150/28
74-95-3	Methylene bromide	ND		20	21.7	109	20	22.2	111	2	77-127/16
75-09-2	Methylene chloride	ND		20	20.4	102	20	22.6	113	10	67-128/18
78-93-3	Methyl ethyl ketone	ND		80	88.1	110	80	106	133	18	56-155/23
1634-04-4	Methyl Tert Butyl Ether	ND		20	22.4	112	20	25.0	125	11	73-132/17
91-20-3	Naphthalene	ND		20	20.4	102	20	22.4	112	9	70-136/20
103-65-1	n-Propylbenzene	ND		20	22.5	113	20	22.1	111	2	71-127/17
100-42-5	Styrene	ND		20	19.3	97	20	19.6	98	2	72-134/16
994-05-8	Tert-Amyl Methyl Ether	ND		20	20.5	103	20	23.6	118	14	73-133/17
75-65-0	Tert-Butyl Alcohol	ND		100	123	123	100	144	144	16	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	ND		20	21.5	108	20	21.3	107	1	77-130/16
71-55-6	1,1,1-Trichloroethane	ND		20	22.5	113	20	26.9	135* [a]	18	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.5	108	20	21.8	109	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	20.2	101	20	21.4	107	6	77-125/16
87-61-6	1,2,3-Trichlorobenzene	ND		20	19.4	97	20	21.6	108	11	70-133/18
96-18-4	1,2,3-Trichloropropane	ND		20	20.2	101	20	20.9	105	3	69-126/18
120-82-1	1,2,4-Trichlorobenzene	ND		20	19.3	97	20	21.8	109	12	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	22.3	112	20	22.1	111	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.4	112	20	22.1	111	1	77-129/17
127-18-4	Tetrachloroethylene	ND		20	20.3	102	20	18.7	94	8	69-127/20
108-88-3	Toluene	ND		20	20.7	104	20	21.0	105	1	75-122/17
79-01-6	Trichloroethylene	ND		20	21.0	105	20	20.8	104	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	24.4	122	20	26.5	133	8	65-136/23
75-01-4	Vinyl chloride	ND		20	22.7	114	20	24.6	123	8	57-146/22
1330-20-7	Xylene (total)	ND		60	62.0	103	60	62.1	104	0	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C34397-7A	Limits
1868-53-7	Dibromofluoromethane	109%	125%	109%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34397-7AMS	W46277.D	1	06/11/14	BD	n/a	n/a	VW1664
C34397-7AMSD	W46278.D	1	06/11/14	BD	n/a	n/a	VW1664
C34397-7A	W46264.D	1	06/11/14	BD	n/a	n/a	VW1664

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34411-8, C34411-9, C34411-10, C34411-11, C34411-12

CAS No.	Surrogate Recoveries	MS	MSD	C34397-7A	Limits
2037-26-5	Toluene-D8	101%	103%	103%	70-130%
460-00-4	4-Bromofluorobenzene	105%	108%	96%	70-130%

(a) Outside laboratory control limits. AZ:M1
(b) Outside laboratory control limits. AZ:R9

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10162-MB	X37060.D	1	06/06/14	AA	06/05/14	OP10162	EX1610

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7, C34411-8, C34411-9, C34411-10, C34411-11

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.50	0.050	ug/l	
208-96-8	Acenaphthylene	ND	0.50	0.050	ug/l	
120-12-7	Anthracene	ND	0.50	0.050	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.10	0.053	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	0.041	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.035	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	0.036	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.039	ug/l	
218-01-9	Chrysene	ND	0.10	0.045	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.035	ug/l	
206-44-0	Fluoranthene	ND	0.50	0.050	ug/l	
86-73-7	Fluorene	ND	0.50	0.050	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.035	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.50	0.10	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.50	0.10	ug/l	
91-20-3	Naphthalene	ND	0.50	0.10	ug/l	
85-01-8	Phenanthrene	ND	0.50	0.050	ug/l	
129-00-0	Pyrene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	100%	31-128%
321-60-8	2-Fluorobiphenyl	102%	34-123%
1718-51-0	Terphenyl-d14	117%	43-136%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10162-BS	X37029.D	1	06/05/14	MT	06/05/14	OP10162	EX1609
OP10162-BSD	X37030.D	1	06/05/14	MT	06/05/14	OP10162	EX1609

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7, C34411-8, C34411-9, C34411-10, C34411-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	5	4.1	82	4.1	82	0	57-113/24
208-96-8	Acenaphthylene	5	4.1	82	4.1	82	0	58-117/25
120-12-7	Anthracene	5	4.5	90	4.5	90	0	65-121/23
56-55-3	Benzo(a)anthracene	5	4.6	92	4.6	92	0	62-121/21
50-32-8	Benzo(a)pyrene	5	4.2	84	4.3	86	2	65-125/20
205-99-2	Benzo(b)fluoranthene	5	4.5	90	4.5	90	0	62-126/22
191-24-2	Benzo(g,h,i)perylene	5	5.1	102	5.1	102	0	45-133/22
207-08-9	Benzo(k)fluoranthene	5	4.4	88	4.5	90	2	61-122/20
218-01-9	Chrysene	5	4.6	92	4.6	92	0	62-118/20
53-70-3	Dibenzo(a,h)anthracene	5	5.3	106	5.3	106	0	45-135/25
206-44-0	Fluoranthene	5	4.5	90	4.4	88	2	63-118/21
86-73-7	Fluorene	5	4.5	90	4.5	90	0	59-115/24
193-39-5	Indeno(1,2,3-cd)pyrene	5	5.2	104	5.2	104	0	51-130/26
90-12-0	1-Methylnaphthalene	5	3.8	76	3.8	76	0	53-107/25
91-57-6	2-Methylnaphthalene	5	3.9	78	3.9	78	0	56-115/26
91-20-3	Naphthalene	5	3.7	74	3.7	74	0	54-110/23
85-01-8	Phenanthrene	5	4.3	86	4.3	86	0	60-114/26
129-00-0	Pyrene	5	4.2	84	4.3	86	2	58-124/21

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	91%	85%	31-128%
321-60-8	2-Fluorobiphenyl	95%	89%	34-123%
1718-51-0	Terphenyl-d14	105%	101%	43-136%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10162-MS	X37033.D	1	06/05/14	MT	06/05/14	OP10162	EX1609
OP10162-MSD	X37034.D	1	06/05/14	MT	06/05/14	OP10162	EX1609
C34386-2	X37032.D	1	06/05/14	MT	06/05/14	OP10162	EX1609

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7, C34411-8, C34411-9, C34411-10, C34411-11

CAS No.	Compound	C34386-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	0.48	U	9.62	7.9	82	9.62	7.7	80	3	57-113/24
208-96-8	Acenaphthylene	0.48	U	9.62	8.0	83	9.62	7.7	80	4	58-117/25
120-12-7	Anthracene	0.48	U	9.62	8.7	90	9.62	8.0	83	8	65-121/23
56-55-3	Benzo(a)anthracene	0.096	U	9.62	9.2	96	9.62	8.7	90	6	62-121/21
50-32-8	Benzo(a)pyrene	0.096	U	9.62	8.9	93	9.62	8.4	87	6	65-125/20
205-99-2	Benzo(b)fluoranthene	0.096	U	9.62	9.6	100	9.62	8.8	92	9	62-126/22
191-24-2	Benzo(g,h,i)perylene	0.096	U	9.62	9.8	102	9.62	9.4	98	4	45-133/22
207-08-9	Benzo(k)fluoranthene	0.096	U	9.62	8.5	88	9.62	8.5	88	0	61-122/20
218-01-9	Chrysene	0.096	U	9.62	9.1	95	9.62	8.9	93	2	62-118/20
53-70-3	Dibenzo(a,h)anthracene	0.096	U	9.62	10.2	106	9.62	9.9	103	3	45-135/25
206-44-0	Fluoranthene	0.48	U	9.62	8.8	92	9.62	8.4	87	5	63-118/21
86-73-7	Fluorene	0.48	U	9.62	8.8	92	9.62	8.5	88	3	59-115/24
193-39-5	Indeno(1,2,3-cd)pyrene	0.096	U	9.62	10.0	104	9.62	9.8	102	2	51-130/26
90-12-0	1-Methylnaphthalene	0.48	U	9.62	7.4	77	9.62	7.1	74	4	53-107/25
91-57-6	2-Methylnaphthalene	0.48	U	9.62	7.6	79	9.62	7.4	77	3	56-115/26
91-20-3	Naphthalene	0.48	U	9.62	7.2	75	9.62	7.0	73	3	54-110/23
85-01-8	Phenanthrene	0.48	U	9.62	8.4	87	9.62	8.0	83	5	60-114/26
129-00-0	Pyrene	0.48	U	9.62	8.6	89	9.62	8.3	86	4	58-124/21

CAS No.	Surrogate Recoveries	MS	MSD	C34386-2	Limits
4165-60-0	Nitrobenzene-d5	92%	86%	82%	31-128%
321-60-8	2-Fluorobiphenyl	92%	88%	83%	34-123%
1718-51-0	Terphenyl-d14	108%	103%	101%	43-136%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GJK1834-MB	JK44814.D	1	06/07/14	TT	n/a	n/a	GJK1834

The QC reported here applies to the following samples: **Method:** SW846 8015B

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7, C34411-10, C34411-11, C34411-12

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	97%	51-127%

Method Blank Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GJK1835-MB	JK44837.D	1	06/09/14	TT	n/a	n/a	GJK1835

The QC reported here applies to the following samples: **Method:** SW846 8015B

C34411-8, C34411-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	94%	51-127%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GJK1834-BS	JK44815.D	1	06/07/14	TT	n/a	n/a	GJK1834
GJK1834-BSD	JK44816.D	1	06/07/14	TT	n/a	n/a	GJK1834

The QC reported here applies to the following samples: **Method:** SW846 8015B

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7, C34411-10, C34411-11, C34411-12

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.25	0.250	100	0.256	102	2	78-125/14

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
98-08-8	aaa-Trifluorotoluene	94%	103%	51-127%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GJK1835-BS	JK44838.D	1	06/09/14	TT	n/a	n/a	GJK1835
GJK1835-BSD	JK44839.D	1	06/09/14	TT	n/a	n/a	GJK1835

The QC reported here applies to the following samples: **Method:** SW846 8015B

C34411-8, C34411-9

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.25	0.248	99	0.253	101	2	78-125/14

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
98-08-8	aaa-Trifluorotoluene	97%	92%	51-127%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34410-2MS	JK44822.D	1	06/07/14	TT	n/a	n/a	GJK1834
C34410-2MSD	JK44823.D	1	06/07/14	TT	n/a	n/a	GJK1834
C34410-2	JK44817.D	1	06/07/14	TT	n/a	n/a	GJK1834

The QC reported here applies to the following samples: **Method:** SW846 8015B

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7, C34411-10, C34411-11, C34411-12

CAS No.	Compound	C34410-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.050	U	0.25	0.280	112	0.25	0.278	111	1	78-125/14

CAS No.	Surrogate Recoveries	MS	MSD	C34410-2	Limits
98-08-8	aaa-Trifluorotoluene	99%	102%	105%	51-127%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34436-3MS	JK44845.D	1	06/09/14	TT	n/a	n/a	GJK1835
C34436-3MSD	JK44846.D	1	06/09/14	TT	n/a	n/a	GJK1835
C34436-3	JK44844.D	1	06/09/14	TT	n/a	n/a	GJK1835

The QC reported here applies to the following samples: **Method:** SW846 8015B

C34411-8, C34411-9

CAS No.	Compound	C34436-3 mg/l	Q	Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.25	0.253	101	0.25	0.249	100	2	78-125/14

CAS No.	Surrogate Recoveries	MS	MSD	C34436-3	Limits
98-08-8	aaa-Trifluorotoluene	92%	91%	99%	51-127%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10170-MB	HH314127.D	1	06/07/14	AG	06/05/14	OP10170	GHH1278

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7, C34411-8, C34411-9, C34411-10, C34411-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.10	0.025	mg/l	

CAS No.	Surrogate Recoveries		Limits
630-01-3	Hexacosane	91%	32-124%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10170-BS	HH314125.D	1	06/07/14	AG	06/05/14	OP10170	GHH1278
OP10170-BSD	HH314126.D	1	06/07/14	AG	06/05/14	OP10170	GHH1278

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7, C34411-8, C34411-9, C34411-10, C34411-11

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	1	0.699	70	0.697	70	0	38-115/22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	91%	91%	32-124%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34411
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: Stantec Consulting,725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10170-MS	HH314123.D	1	06/07/14	AG	06/05/14	OP10170	GHH1278
OP10170-MSD	HH314124.D	1	06/07/14	AG	06/05/14	OP10170	GHH1278
C34421-5	HH314122.D	1	06/07/14	AG	06/05/14	OP10170	GHH1278

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C34411-1, C34411-2, C34411-3, C34411-4, C34411-5, C34411-6, C34411-7, C34411-8, C34411-9, C34411-10, C34411-11

CAS No.	Compound	C34421-5 mg/l	Q	Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	0.0468	J	1.92	1.49	75	1.92	1.46	73	2	38-115/22

CAS No.	Surrogate Recoveries	MS	MSD	C34421-5	Limits
630-01-3	Hexacosane	93%	99%	97%	32-124%

8.3.1

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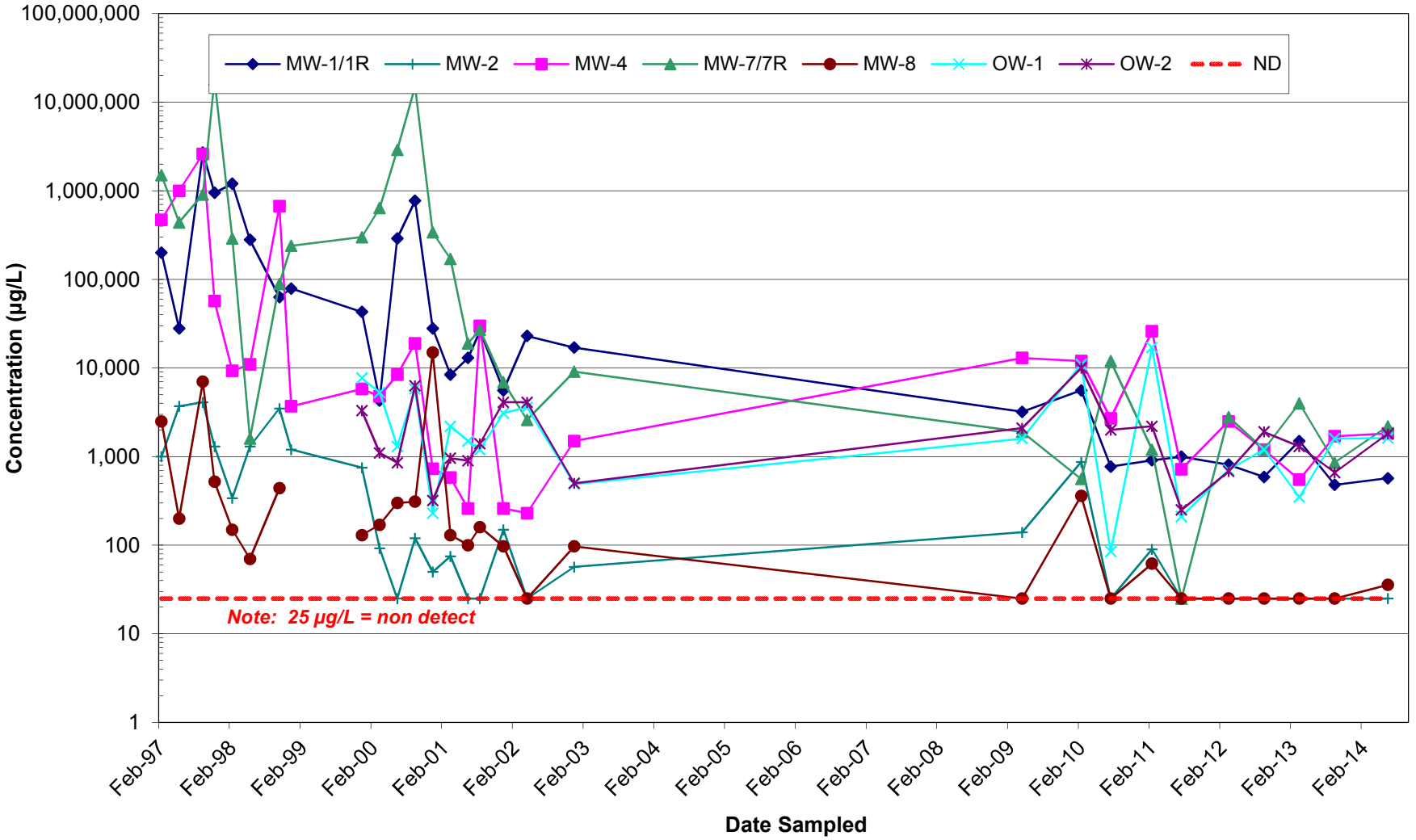
* = Outside of Control Limits.

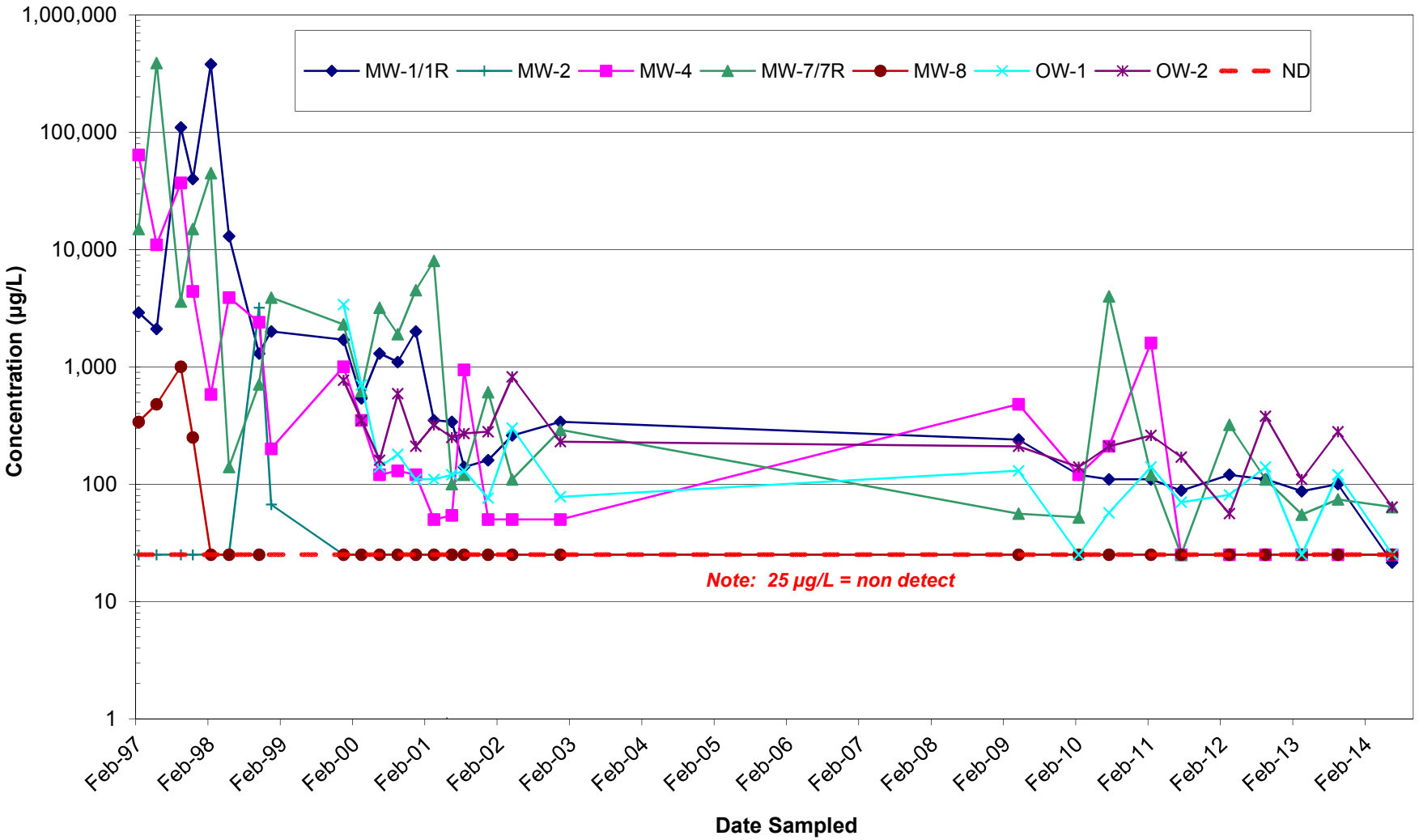
APPENDIX D
Concentration Plots – 1997 to 2014

FIGURE D-1
TPHd versus Time
725 Julie Ann Way, Oakland, CA



Stantec

FIGURE D-2
TPHg versus Time
725 Julie Ann Way, Oakland, CA



Stantec

FIGURE D-3
Benzene versus Time
725 Julie Ann Way, Oakland, CA

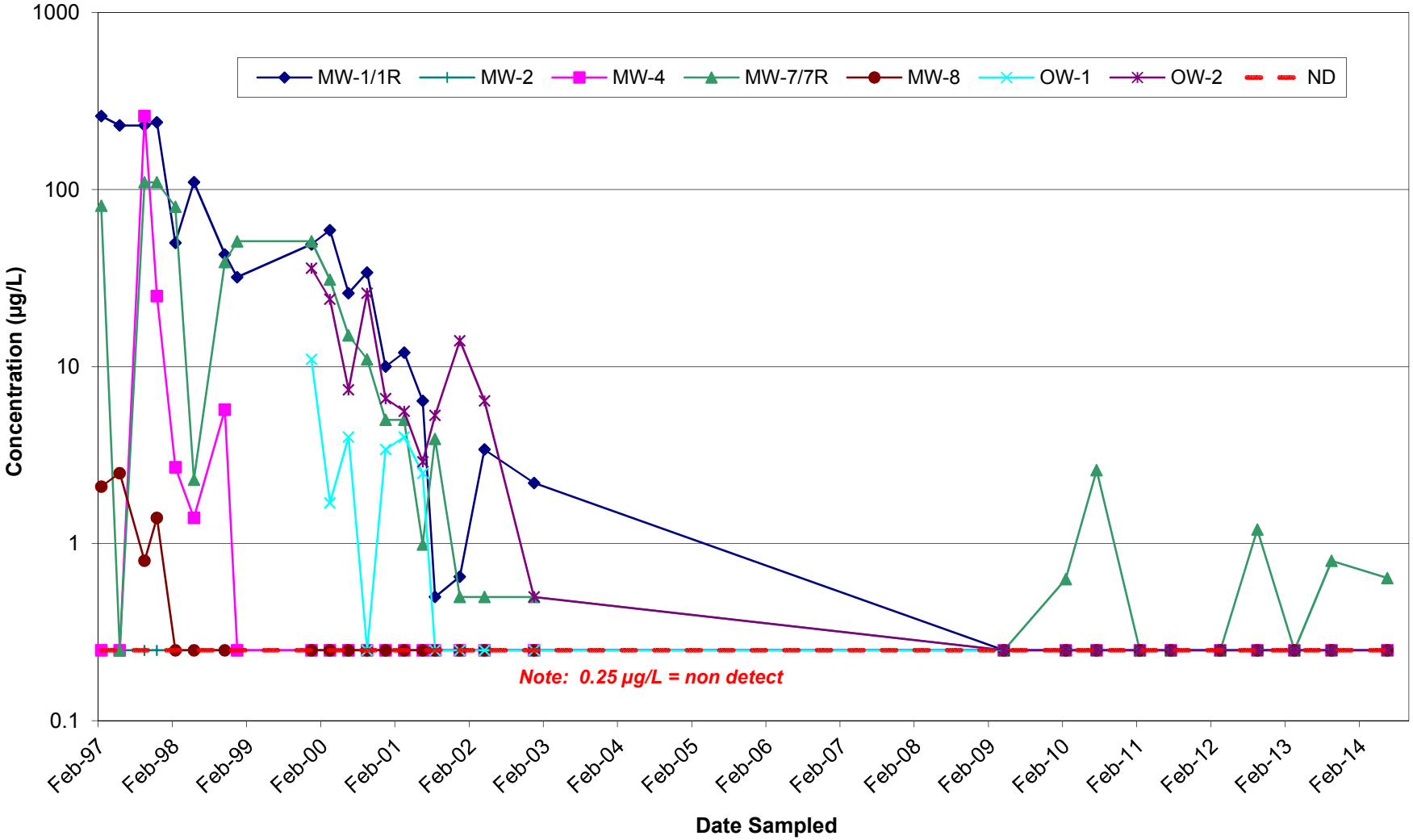


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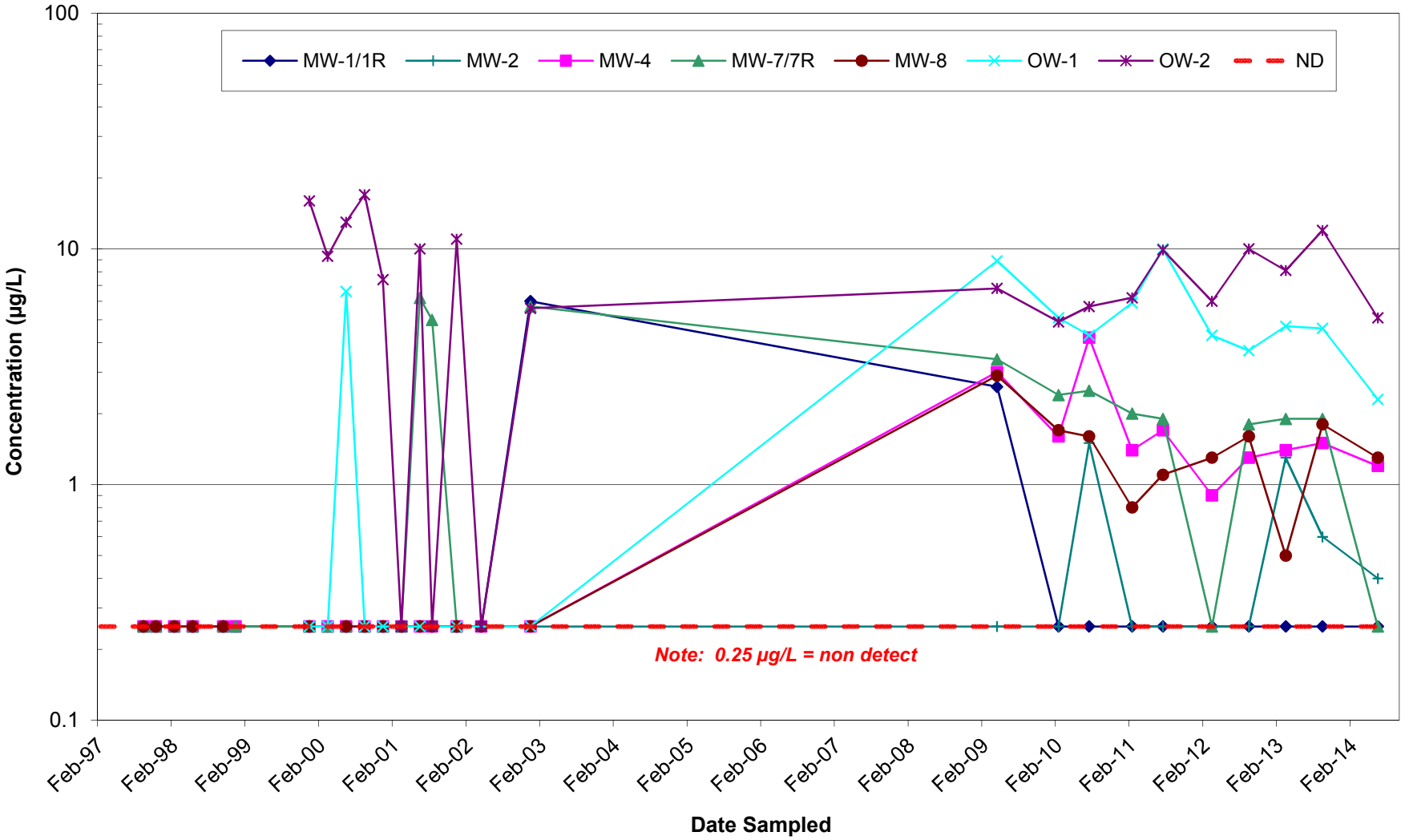
FIGURE D-4
MTBE versus Time
725 Julie Ann Way, Oakland, CA



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