PENSKE

RECEIVED
By Alameda County Environmental Health at 3:45 pm, Jun 20, 2013

June 13, 2013

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

Re: 2013 First Semi-Annual Groundwater Monitoring 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 First Semi-Annual Groundwater Monitoring Report of 2013 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
Fax 610 775 6442
GoPenske.com

Stantec Consulting Services Inc.
57 Lafayette Circle 2nd Floor
Lafayette CA 94549
Tel: (925) 299-9300
Fax: (925) 299-9302

June 13, 2013 ***(To Be Sent Via Electronic Upload to Alameda County ftp)***

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

Re: 2013 First Semi-Annual Groundwater Monitoring 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:

Stantec Consulting Services Inc. (Stantec), on behalf of Penske Truck Leasing Company (Penske), has prepared this *2013 First Semi-Annual Groundwater Monitoring Report* for the Former Penske Truck Leasing Facility (the Site) located at 725 Julie Ann Way in Oakland, California (see Figure 1). There are ten on-Site groundwater monitoring wells associated with the Site (see Figure 2). Well construction details are presented on Table 1. This report documents the procedures and results of the semi-annual monitoring and sampling event conducted on March 4, 2013.

SEMI-ANNUAL GROUNDWATER MONITORING AND SAMPLING PROCEDURES

Groundwater levels were measured by Blaine Tech Services, Inc. (Blaine Tech) in the ten monitoring wells on March 4, 2013. 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 March 2013. Copies of the field data sheets are included in Appendix A.

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 2.

On March 4, 2013, wells MW-1R, MW-2, MW-4, MW-7R, MW-8, OW-1, and OW-2 were sampled by Blaine Tech. Prior to sampling, wells were purged of approximately three well casing volumes using a diaphragm pump fitted with new, disposable tubing for each well. 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 and oxidation reduction potential (ORP) 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 A.

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.

The chain-of-custody and the laboratory analytical report are included in Appendix B.

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.

RESULTS

Groundwater Elevation Monitoring Results

Groundwater elevation data from March 4, 2013, is presented in Table 2. The potentiometric surface map generated from the data is included as Figure 3.

March 2013 depth-to-groundwater measurements ranged from 4.49 to 6.00 feet below the top of casing, corresponding to a range of groundwater elevations of 5.65 to 6.26 feet relative to the NAVD 88 datum. No sheen or measurable free-phase product was observed during the March 2013 monitoring event. Groundwater flow direction was toward the west and southwest (see Figure 3).

Groundwater Sample Analytical Results

Field measurements of pH, DO, and ORP are presented in Table 3 and groundwater sample analytical results are presented in Table 4. March 2013 results for TPHd, TPHg, BTEX, and MTBE are shown on Figure 4. The laboratory analytical report and chain-of-custody record are attached as Appendix B. The following sections summarize groundwater analytical results. The California Regional Water Quality Control Board, San Francisco Bay Region, Environmental Screening Levels (ESLs) presented in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* (May 2013) are used for evaluation of laboratory analytical results.

TPHd

TPHd was not-detected above laboratory-reporting limits 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 350 micrograms per liter (µg/L; well OW-1) to 4,000 µg/L (well MW-7R), which are above the ESL of 100 µg/L. ….

TPHg

TPHg was not detected above laboratory-reporting limits in four of the seven monitoring wells (MW-2, MW-4, MW-8, and OW-1). TPHg was reported in three of seven groundwater samples at concentrations ranging from 55 µg/L (well MW-7R) to 110 µg/L (well OW-2). Concentrations of TPHg reported in samples from wells MW-1R 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. The laboratory-qualified result from sample OW-2 is above the ESL of 100 µg/L.

MTBE

MTBE was not detected above laboratory-reporting limits in monitoring well MW-1R. MTBE was reported in six of the seven groundwater samples at concentrations ranging from 0.5 µg/L (well MW-8) to 8.1 µg/L (well OW-2). The result from sample OW-2 is above the ESL of 0.5 µg/L.

BTEX, EDC, EDB, and Naphthalene

Benzene, EDC, EDB, and naphthalene were not detected at or above laboratory reporting limits (LRLs) in the seven groundwater samples.

CONCENTRATION TRENDS

The following is a summary of concentration trends for each of the chemical constituents. Plots depicting concentrations 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 5 through 8. Historical concentration plots depicting data from February 1997 through March 2013 are included in Appendix C.

TPHd – A plot depicting TPHd concentrations since 2009 is included as Figure 5.

- The reported TPHd concentration of 1,500 µg/L for MW-1R in the sample collected in March 2013 is consistent with recent data, and concentrations during the last three events are lower than concentrations reported following well installation in 2010 (up to 5,800 µg/L TPHd in duplicate samples collected in February 2010).

- TPHd has not been detected above LRLs in wells MW-2 and MW-8 for the fourth consecutive sampling event. Concentrations of TPHd in these wells have generally remained low (below 200 µg/L) since Fentons treatment in 2000, except for 870 µg/L and 360 µg/L reported in wells MW-2 and MW-8, respectively, in February 2010.

- The TPHd concentration of 550 µg/L reported in well MW-4 represents a decrease from the concentration of 1,200 µg/L reported during the September 2012 sampling event. Overall, TPHd concentrations in this well have decreased since post-treatment monitoring resumed in April 2009, except for an anomalously high concentration of TPHd (26,000 µg/L) reported in February 2011.

- The concentration of 4,000 µg/L TPHd reported in well MW-7R represents an increase from the September 2012 concentration of 1,200 µg/L. Overall, TPHd concentrations are lower than pre-treatment, except for an anomalously high concentration of TPHd (12,000 µg/L) reported in July 2010.

- Concentrations of TPHd in wells OW-1 and OW-2 continue to fluctuate. Concentrations reported in March 2013 are lower than those reported during the last sampling event in September 2012, and are lower than the highest concentrations reported since post-treatment groundwater monitoring resumed in 2009.

TPHg – A plot depicting TPHg concentrations since 2009 is included as Figure 6.

- Concentrations of TPHg in wells MW-1R, OW-1, and OW-2 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 four consecutive sampling events.

- The concentration of TPHg reported in well MW-7R (55 µg/L) represents a decrease from concentrations reported during the March and September 2012 sampling events.

BTEX – A plot depicting benzene concentrations since 2009 is included as Figure 7.

- Benzene continues to be below LRLs in all wells. Well MW-7R reported a benzene concentration of 1.2 µg/L in September 2012, but decreased to below the LRL in March 2013. 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.

- 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 8.

- 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 March 2013 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 decreased 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 three years, since February 2010.

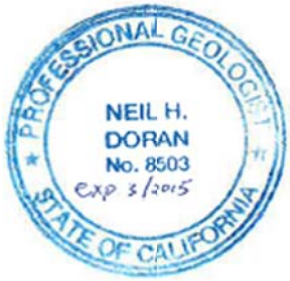
Penske has completed site characterization activities from 2008 until present as requested by Health Department staff, and Stantec considers chemical impacts at the Site to be well-defined. Penske and Stantec respectfully request a meeting to discuss the regulatory status of the Site and identify the risk-driving aspects precluding the Site from case closure.

Sincerely,

STANTEC CONSULTING SERVICES INC.

Eva Hey
Project Manager
Tel: (925) 299-9300
Fax: (925) 299-9302
eva.hey@stantec.com

Neil Doran, P.G., #8503
Senior Geologist
Tel: (916) 384-0722
Fax: (916) 861-0430
neil.doran@stantec.com



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

List of Attachments

Table 1	Well Construction Details
Table 2	Groundwater Elevation Data
Table 3	Field Parameter Data
Table 4	Groundwater Analytical Results

List of Attachments (continued)

TABLES

2013 First Semi-Annual Groundwater Monitoring Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702640.200.0001
June 13, 2013

TABLE 1

WELL CONSTRUCTION DETAILS

Former Penske Facility - 725 Julie Ann Way , Oakland, CA

Well	Latitude	Longitude	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Slot Size (inches)	Screen Length (feet)	Screen Interval (feet bgs)	Top of Casing Elevation
MW-1R	37.7597443	-122.20913	20	2	0.02	16.5	3.5 - 20.0	11.02
MW-2	37.7599047	-122.20890	30	2	0.02	20	10.0 - 30.0	11.87
MW-3	37.7599598	-122.20902	35	2	0.02	25	10.0 - 35.0	11.79
MW-4	37.7598508	-122.20922	33.5	2	0.02	27	6.5 - 33.5	10.88
MW-5	37.7600163	-122.20942	35	2	0.02	25	6.0 - 31.0	10.41
MW-6	37.7601553	-122.20923	25	2	0.02	10	15.0 - 25.0	11.05
MW-7R	37.7597618	-122.2092	20	2	0.02	16.5	3.5 - 20.0	10.84
MW-8	37.7598006	-122.20932	28	2	0.02	18	10.0 - 28.0	10.75
OW-1	37.7598218	-122.20913	13.5	2	0.02	unk	unk	10.75
OW-2	37.7598650	-122.20911	14.0	2	0.02	unk	unk	11.03

California State Plane Coordinates, NAVD88; survey conducted by Mid Coast Engineers, Watsonville, California, April 26, 2011.

ft. bgs = feet below ground surface

unk = well screen details unknown

TABLE 2
GROUNDWATER ELEVATION DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	Elevation (Feet)[(a)]	Depth to Water (Feet)	Groundwater Elevation (Feet)
MW-1	02/20/97	11.02	5.41	5.61
	05/28/97		5.98	5.04
	09/19/97		6.45	4.57
	11/17/97		6.14	4.88
	02/27/98		4.83	6.19
	05/27/98		6.42	4.60
	10/01/98		6.49	4.53
	12/22/98		6.35	4.67
	03/14/00		4.95	6.07
	06/28/00		5.54	5.48
	09/14/00		6.41	4.61
	12/11/00		6.08	4.94
	03/14/01		6.11	4.91
	06/13/01		5.68	5.34
	08/29/01		6.13	4.89
	12/12/01		5.31	5.71
	04/11/02		5.21	5.81
	12/05/02		5.85	5.17
	04/22/09		5.03	5.99
	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	4.41	6.61
	05/10/10		4.58	6.44
	07/16/10		4.98	6.04
	10/04/10		5.57	5.45
	02/03/11		4.92	6.10
	04/11/11		4.40	6.62
	07/25/11		4.84	6.18
	12/06/11		5.29	5.73
	03/22/12		4.35	6.67
	09/24/12		5.60	5.42
	03/04/13		5.15	5.87
MW-2	02/20/97	11.87	6.26	5.61
	05/28/97		6.65	5.22
	09/19/97		6.90	4.97
	11/17/97		6.75	5.12
	02/27/98		5.31	6.56
	05/27/98		5.87	6.00
	10/01/98		6.95	4.92
	12/22/98		6.70	5.17
	03/15/00		5.45	6.42
	06/28/00		6.37	5.50
	09/14/00		6.86	5.01
	12/11/00		7.33	4.54
	03/14/01		5.75	6.12
	06/13/01		6.33	5.54
	08/29/01		6.71	5.16
	12/12/01		5.92	5.95
	04/11/02		5.88	5.99
	12/05/02		6.56	5.31
	04/22/09		5.52	6.35
	02/08/10		5.28	6.59
	05/10/10		5.46	6.41
	07/16/10		5.80	6.07
	10/04/10		5.32	6.55
	02/03/11		5.83	6.04
	04/11/11		5.35	6.52
	07/25/11		5.76	6.11
	12/06/11		6.16	5.71
	03/22/12		5.40	6.47
	09/24/12		6.38	5.49
	03/04/13		5.95	5.92

TABLE 2
GROUNDWATER ELEVATION DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	Elevation (Feet)[(a)]	Depth to Water (Feet)	Groundwater Elevation (Feet)
MW-3	02/20/97	11.79	6.36	5.43
	05/28/97		6.62	5.17
	09/19/97		6.83	4.96
	11/17/97		6.77	5.02
	02/27/98		5.38	6.41
	05/27/98		6.05	5.74
	10/01/98		6.95	4.84
	12/22/98		6.73	5.06
	03/14/00		NM	NM
	06/28/00		6.37	5.42
	09/14/00		7.06	4.73
	12/11/00		6.68	5.11
	03/14/01		5.85	5.94
	06/13/01		6.34	5.45
	08/29/01		6.70	5.09
	12/12/01		5.95	5.84
	04/11/02		5.86	5.93
	12/05/02		6.55	5.24
	04/22/09		NM	NM
	02/08/10		5.31	6.48
	05/10/10		5.52	6.27
	07/16/10		5.90	5.89
	10/04/10		6.28	5.51
	02/03/11		5.33	6.46
	04/11/11		5.37	6.42
	07/25/11		5.71	6.08
	12/06/11		6.17	5.62
	03/22/12		5.36	6.43
	09/24/12		6.38	5.41
	03/04/13		6.00	5.79
MW-4	02/20/97	10.88	5.29	5.59
	05/28/97		5.66	5.22
	09/19/97		6.00	4.88
	11/17/97		6.06	4.82
	02/27/98		4.66	6.22
	05/27/98		5.98	4.90
	10/01/98		5.23	5.65
	12/22/98		6.57	4.31
	03/14/00		4.86	6.02
	06/28/00		5.55	5.33
	09/14/00		6.05	4.83
	12/11/00		5.93	4.95
	03/14/01		5.04	5.84
	06/13/01		5.25	5.63
	08/29/01		5.89	4.99
	12/12/01		5.14	5.74
	04/11/02		4.96	5.92
	12/05/02		5.68	5.20
	04/22/09		4.67	6.21
	02/08/10		4.71	6.17
	05/10/10		4.55	6.33
	07/16/10		5.12	5.76
	10/04/10		5.49	5.39
	02/03/11		5.13	5.75
	04/11/11		4.29	6.59
	07/25/11		4.04	6.84
	12/06/11		5.34	5.54
	03/22/12		4.67	6.21
	09/24/12		5.50	5.38
	03/04/13		5.05	5.83

TABLE 2
GROUNDWATER ELEVATION DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	Elevation (Feet)[(a)]	Depth to Water (Feet)	Groundwater Elevation (Feet)
MW-5	02/20/97	10.41	4.68	5.73
	05/28/97		5.21	5.20
	09/19/97		5.43	4.98
	11/17/97		5.28	5.13
	02/27/98		4.10	6.31
	05/27/98		5.40	5.01
	10/01/98		5.42	4.99
	12/22/98		5.40	5.01
	03/14/00		NM	NM
	06/28/00		5.11	5.30
	09/14/00		NM	NM
	12/11/00		5.48	4.93
	03/14/01		4.57	5.84
	06/13/01		5.05	5.36
	08/29/01		5.34	5.07
	12/12/01		4.79	5.62
	04/11/02		4.66	5.75
	12/05/02		5.32	5.09
	04/22/09		NM	NM
	02/08/10		4.13	6.28
	05/10/10		4.20	6.21
	07/16/10		4.44	5.97
	10/04/10		4.97	5.44
	02/03/11		4.51	5.90
	04/11/11		4.00	6.41
	07/25/11		4.44	5.97
	12/06/11		4.82	5.59
	03/22/12		4.18	6.23
	09/24/12		5.06	5.35
	03/04/13		4.69	5.72
MW-6	02/20/97	11.05	5.38	5.67
	05/28/97		5.93	5.12
	09/19/97		6.15	4.90
	11/17/97		6.06	4.99
	02/27/98		4.74	6.31
	05/27/98		5.40	5.65
	10/01/98		6.37	4.68
	12/22/98		6.06	4.99
	03/14/00		NM	NM
	06/28/00		6.71	4.34
	09/14/00		6.17	4.88
	12/11/00		NM	NM
	03/14/01		5.11	5.94
	06/13/01		6.65	4.40
	08/29/01		6.00	5.05
	12/12/01		5.33	5.72
	04/11/02		5.15	5.90
	12/05/02		5.90	5.15
	04/22/09		NM	NM
	02/08/10		4.56	6.49
	05/10/10		4.79	6.26
	07/16/10		5.03	6.02
	10/04/10		5.57	5.48
	02/03/11		5.24	5.81
	04/11/11		4.71	6.34
	07/25/11		5.05	6.00
	12/06/11		5.49	5.56
	03/22/12		4.74	6.31
	09/24/12		5.61	5.44
	03/04/13		5.35	5.70

TABLE 2
GROUNDWATER ELEVATION DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	Elevation (Feet)[(a)]	Depth to Water (Feet)	Groundwater Elevation (Feet)
MW-7	02/20/97	10.84	5.70	5.14
	05/28/97		5.46	5.38
	09/19/97		5.91	4.93
	11/17/97		5.59	5.25
	02/27/98		4.68	6.16
	05/27/98		5.17	5.67
	10/01/98		5.80	5.04
	12/22/98		5.78	5.06
	03/14/00		4.50	6.34
	06/28/00		5.51	5.33
	09/14/00		5.93	4.91
	12/11/00		5.72	5.12
	03/14/01		4.58	6.26
	06/13/01		5.18	5.66
	08/29/01		5.53	5.31
	12/12/01		4.73	6.11
	04/11/02		4.68	6.16
	12/05/02		5.25	5.59
	04/22/09		4.58	6.26
	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	4.28	6.56
	05/10/10		4.55	6.29
	07/16/10		4.82	6.02
	10/04/10		5.42	5.42
	02/03/11		4.98	5.86
	04/11/11		4.63	6.21
	07/25/11		4.78	6.06
	12/06/11		5.28	5.56
	03/22/12		4.32	6.52
	09/24/12		5.44	5.40
	03/04/13		5.19	5.65
MW-8	02/20/97	10.75	5.10	5.65
	05/28/97		5.68	5.07
	09/19/97		5.95	4.80
	11/17/97		5.91	4.84
	02/27/98		4.50	6.25
	05/27/98		6.10	4.65
	10/01/98		6.13	4.62
	12/22/98		6.10	4.65
	03/14/00		5.01	5.74
	06/28/00		5.47	5.28
	09/14/00		5.99	4.76
	12/11/00		5.84	4.91
	03/14/01		4.90	5.85
	06/13/01		5.40	5.35
	08/29/01		5.80	4.95
	12/12/01		5.05	5.70
	04/11/02		4.95	5.80
	12/05/02		5.42	5.33
	04/22/09		4.94	5.81
	02/08/10		4.31	6.44
	05/10/10		4.54	6.21
	07/16/10		4.80	5.95
	10/04/10		5.38	5.37
	02/03/11		5.93	4.82
	04/11/11		4.45	6.30
	07/25/11		4.81	5.94
	12/06/11		5.32	5.43
	03/22/12		4.46	6.29
	09/24/12		5.55	5.20
	03/04/13		5.09	5.66

TABLE 2
GROUNDWATER ELEVATION DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	Elevation (Feet)[(a)]	Depth to Water (Feet)	Groundwater Elevation (Feet)
OW-1	03/15/00	10.75	4.47	6.28
	06/29/00		4.95	5.80
	08/29/01		5.01	5.74
	09/14/00		5.31	5.44
	12/11/00		5.17	5.58
	03/14/01		4.54	6.21
	06/13/01		4.75	6.00
	12/12/01		4.80	5.95
	04/11/02		4.52	6.23
	12/05/02		5.13	5.62
	04/22/09		4.19	6.56
	02/08/10		4.20	6.55
	05/10/10		4.13	6.62
	07/16/10		4.31	6.44
	10/04/10		4.64	6.11
	02/03/11		4.45	6.30
	04/11/11		4.01	6.74
	07/25/11		4.21	6.54
	12/06/11		4.55	6.20
	03/22/12		4.55	6.20
	09/24/12		4.70	6.05
	03/04/13		4.49	6.26
OW-2	03/15/00	11.03	4.76	6.27
	06/29/00		5.15	5.88
	09/14/00		5.60	5.43
	12/11/00		5.45	5.58
	03/14/01		4.77	6.26
	06/13/01		5.01	6.02
	08/29/01		5.31	5.72
	12/12/01		5.10	5.93
	04/11/02		4.83	6.20
	12/05/02		5.42	5.61
	04/22/09		4.52	6.51
	02/08/10		4.41	6.62
	05/10/10		4.49	6.54
	07/16/10		4.47	6.56
	10/04/10		4.93	6.10
	02/03/11		4.65	6.38
	04/11/11		4.28	6.75
	07/25/11		4.51	6.52
	12/06/11		4.85	6.18
	03/22/12		4.58	6.45
	09/24/12		5.00	6.03
	03/04/13		4.83	6.20

Notes:

(a) - All well elevations surveyed to the NAV 88 datum on April 26, 2011.
Destroyed wells MW-1 and MW-7 were assumed to have the same elevation as the replacement wells.

NM - Not Measured

TABLE 3
FIELD PARAMETER DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-1	12/28/99	7.92	0.87	-211
	03/14/00	7.29	1.12	-23
	06/28/00	8.26	0.55	-248
	09/14/00	6.92	0.36	-316
	12/11/00	7.05	1.34	-55
	03/14/01	7.07	1.24	-66
	06/13/01	7.05	1.20	-109
	08/29/01	7.78	NM	-63
	12/12/01	6.93	1.28	-4
	04/12/02	6.72	0.37	-56
	12/05/02	7.01	NM	-79
	04/22/09	6.94	0.08	-57/102
	Well MW-1 abandoned on January 11, 2010 and replaced with well MW-1R on January 12, 2010.			
MW-1R	02/08/10	7.27	1.07	NM
	07/16/10	7.14	0.15	-139/-152
	02/03/11	6.92	0.59	-225/-234
	07/25/11	7.32	0.20	-155/-139
	03/22/12	6.84	0.83/0.50	-4/-58
	09/24/12	6.55	0.81/0.62	-114/-129
	03/04/13	6.84	0.47/0.81	46/-13
MW-2	12/28/99	7.94	0.96	-38
	03/15/00	7.28	1.43	-255
	06/28/00	7.52	0.89	-221
	09/14/00	7.44	0.61	-310
	12/11/00	7.28	1.96	24
	03/14/01	7.34	1.46	11
	06/13/01	7.07	0.95	-12
	08/29/01	7.24	NM	70
	12/12/01	7.13	0.88	13
	04/11/02	7.25	0.66	126
	12/05/02	7.01	0.14	-32
	04/22/09	6.91	0.17	143/-12
	02/08/10	6.91	3.56	NM
	07/16/10	7.19	0.40	104/72
	02/04/11	7.36	1.03	174/196
	07/25/11	6.97	0.29	132/-8
	03/22/12	7.36	0.48/0.79	215/227
	09/24/12	7.08	0.53/0.59	-8/14
	03/04/13	6.97	1.09/1.31	216/189

TABLE 3
FIELD PARAMETER DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-4	12/28/99	7.38	0.80	-201
	03/14/00	6.97	2.11	35
	06/28/00	6.87	3.57	-34
	09/14/00	7.23	1.06	16
	12/11/00	6.99	2.27	74
	03/14/01	6.81	1.28	-91
	06/13/01	6.97	0.97	-30
	08/29/01	7.45	NM	104
	12/13/01	6.88	0.34	199
	04/12/02	6.77	0.95	12
	12/05/02	6.81	0.56	-13
	04/22/09	6.71	0.16	-67/-68
	02/08/10	6.92	2.38	NM
	02/04/11	7.68	0.77	-7/80
	07/25/11	7.41	0.51	-118/-123
	03/22/12	7.81	1.01/0.29	119/171
	09/24/12	6.80	0.93/0.32	78/37
	03/04/13	6.79	0.60/0.58	126/98
MW-5	12/28/99	7.55	1.14	-118
	06/28/00	7.57	1.79	-103
	12/11/00	7.28	4.14	-11
	06/13/01	7.04	3.61	-44
	12/13/01	7.05	3.26	52
	04/11/02	7.04	2.28	-524
MW-6	07/16/10	6.99	0.47	-107/-124
MW-7	12/28/99	7.94	1.30	-58
	03/14/00	7.23	1.05	-260
	06/28/00	7.18	5.76	-164
	09/14/00	7.06	0.65	-306
	12/12/00	7.02	1.25	-70
	03/14/01	7.10	0.94	-6
	06/13/01	7.03	1.77	-94
	08/29/01	7.34	NM	58
	12/12/01	7.09	0.98	47
	04/12/02	6.60	0.71	0
	12/05/02	6.96	0.14	10
	04/22/09	7.09	0.17	-37/-98
	Well MW-7 abandoned on January 11, 2010 and replaced with well MW-7R on January 12, 2010.			
MW-7R	02/08/10	7.43	2.32	NM
	07/16/10	7.28	0.12	-148/-105
	02/04/11	7.47	1.03	56/50
	07/25/11	7.74	0.27	-109/-99
	03/22/12	7.32	0.48/0.57	119/43
	09/24/12	7.29	0.63/0.53	-94/-81
	03/04/13	7.20	0.57/0.49	75/3

TABLE 3
FIELD PARAMETER DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-8	12/28/99	7.79	0.42	-136
	03/14/00	7.05	1.53	-27
	06/28/00	8.86	1.87	-77
	09/14/00	7.32	1.07	-166
	12/12/00	7.05	1.16	-61
	03/14/01	7.21	2.55	16
	06/13/01	7.10	2.43	-21
	08/29/01	7.52	NM	9
	12/13/01	7.15	1.55	12
	04/12/02	6.58	1.83	-10
	12/05/02	6.91	0.07	-88
	04/22/09	7.13	2.72	98/30
	02/08/10	7.09	3.58	NM
	07/16/10	7.26	0.29	68/0
	02/04/11	7.47	1.88	151/123
	07/25/11	7.38	0.36	-44/-59
	03/22/12	7.02	0.63/0.40	248/236
	09/24/12	6.92	0.70/0.52	4/-1
	03/04/13	6.91	2.94/0.94	187/174
OW-1	12/28/99	7.67	0.99	-89
	03/15/00	7.31	1.16	-55
	06/29/00	6.34	3.29	-48
	09/14/00	7.02	0.98	-115
	12/12/00	6.94	1.98	-5
	03/14/01	7.04	2.89	-5
	06/13/01	6.76	1.11	-58
	08/29/01	7.04	NM	-39
	12/12/01	6.83	1.17	-46
	04/11/02	7.19	0.75	-31
	12/05/02	6.88	0.03	-79
	04/22/09	6.80	0.29	-77/-88
	02/08/10	6.98	2.91	NM
	07/16/10	7.03	0.41	-81/-118
	02/04/11	7.10	1.10	-42/-89
	07/25/11	7.06	0.37	-108/-121
	03/22/12	6.71	0.03/1.00	52/18
	09/24/12	8.88	0.70/0.83	-99/-103
	03/04/13	6.83	0.63/0.50	-19/-27

TABLE 3
FIELD PARAMETER DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	pH (units)	D.O. (mg/L)	ORP (millivolts)
OW-2	12/28/99	7.69	1.79	-58
	03/15/00	7.25	0.99	-35
	06/29/00	6.44	2.39	-66
	09/14/00	7.21	1.33	-89
	12/12/00	6.90	1.44	-76
	03/14/01	7.16	2.68	-54
	06/13/01	6.97	1.15	-92
	08/29/01	7.16	NM	-93
	12/12/01	6.81	1.36	-61
	04/11/02	7.08	0.89	-44
	12/05/02	6.85	0.01	-95
	04/22/09	6.89	0.35	-103/-90
	02/08/10	7.10	2.12	NM
	07/16/10	7.11	0.38	-107/-13
	02/04/11	7.24	1.06	13/-89
	07/25/11	7.17	0.42	-144/-121
	03/22/12	6.81	0.71/0.58	102/-6
	09/24/12	6.89	0.80/0.61	-105/-104
	03/04/13	6.91	0.75/0.52	-41/-40

Notes:

D.O. - Dissolved Oxygen
mg/L - milligrams per liter
ORP - Oxidation Reduction Potential
NM - Not Measured
Multiple values represent pre- and post-purge measurements.

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	TPHd	TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	Ethylene Dichloride	Ethylene Dibromide	Naphthalene
		(µg/L)									
MW-1	02/20/97	**200,000**	**2,900**	**260**	**61**	**42**	**96**	NA	NA	NA	NA
	05/28/97	**28,000**	**2,100**	**230**	**42**	**55**	**110**	NA	NA	NA	NA
	09/19/97	**2,700,000**	**110,000**	**230**	**140**	**250**	**700**	ND	NA	NA	NA
	11/17/97	**950,000**	**40,000**	**240**	**190**[c]	**270**[c]	**880**[c]	ND[c]	NA	NA	NA
	02/27/98	**1,200,000**	**380,000**	**50**	**50**	**200**	**800**	ND	NA	NA	NA
	05/27/98	**280,000**	**13,000**	**110**	13	**66**	**390**	ND	NA	NA	NA
	10/01/98	**63,000**	**1,300**	**43**	1.2	15	**84**	ND	NA	NA	NA
	12/22/98	**79,000**	**2,000**	**32**	ND[e]	23[e]	**130**[e]	ND	NA	NA	NA
	12/28/99	**43,000**	**1,700**	**49**	1.3	11	**24**	ND	NA	NA	NA
	03/14/00	**4,300**	**540**	**59**	1.3	12	**23**	NA	NA	NA	NA
	06/28/00	**290,000**	**1,300**	**26**	ND	ND	**23**	ND	NA	NA	NA
	09/14/00	**770,000**	**1,100**	**34**	ND	3.9	17	ND	NA	NA	NA
	12/11/00	**28,000**	**2,000**	**10**	ND	ND	9.3	ND	NA	NA	NA
	03/14/01	**8,400**	**350**	**12**	ND	ND	ND	ND	NA	NA	NA
	06/13/01	**13,000**	**340**	**6.4**	ND	ND	1.6	ND	NA	NA	NA
	08/29/01	**26,000**	**140**	0.5	ND	ND	ND	ND	NA	NA	NA
	12/12/01	**5,600**	**160**	0.65	ND	ND	ND	ND	NA	NA	NA
	04/12/02	**23,000**	**260**	**3.4**	ND	ND	ND	NA	NA	NA	NA
	12/05/02	**17,000**	**340**	**2.2**	ND	ND	ND	**6.0**	NA	NA	NA
	04/22/09	**3,200**	**240**	<0.50	<0.50	<0.50	<1.0	2.6	<0.50	<0.50	<0.50
	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	**5,600**	**120**[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dup	02/08/10	**5,800**	**110**[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/16/10	**770**	**110**[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dup	07/16/10	**960**	**120**[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
9 feet	02/03/11	**420**	97[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
18 feet	02/03/11	**860**	98[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
std	02/03/11	**910**	**110**[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/25/11	**500**	83[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dup	07/25/11	**1,000**	88[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	03/22/12	**810**	**120**[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
Dup	03/22/12	**1,300**	94[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	09/24/12	**590**[k]	**110**[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
Dup	09/24/12	**510**[k]	**120**[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	03/04/13	**1,500**	87[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5
MW-2	02/20/97	**1,000**[h]	ND	ND	ND	ND	ND	NA	NA	NA	NA
	05/28/97	**3,700**[b,h]	ND	ND	ND	ND	ND	NA	NA	NA	NA
	09/19/97	**4100**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	11/17/97	**1300**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	02/27/98	**340**	ND	ND	0.9	ND	ND	ND	NA	NA	NA
	05/27/98	**1300**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	10/01/98	**3,500**[i]	**3,200**	ND	ND	ND	ND	ND	NA	NA	NA
	12/22/98	**1,200**[j,k]	67[d]	ND	ND	ND	ND	ND	NA	NA	NA
	12/28/99	**750**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	03/15/00	92	ND	ND	ND	ND	ND	ND	NA	NA	NA
	06/28/00	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	09/14/00	**120**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/11/00	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	03/14/01	75	ND	ND	ND	ND	ND	ND	NA	NA	NA
	06/13/01	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	08/29/01	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/12/01	**150**[j]	ND	ND	ND	ND	ND	ND	NA	NA	NA
	04/12/02	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	12/05/02	57[i]	ND	ND	ND	ND	ND	ND	NA	NA	NA
	04/22/09	**140**	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	02/08/10	**870**[k]	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	07/16/10	<50	<50	<0.50	<0.50	<0.50	<1.0	1.5	<0.50	<0.50	<0.50
	02/04/11	90[k]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/25/11	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	03/22/12	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	09/24/12	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	03/04/13	<50	<50	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<0.50	<2.0
ESLs		100	100	1.0	40	30	20	5.0	0.5	0.05	6.2

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	TPHd	TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	Ethylene Dichloride	Ethylene Dibromide	Naphthalene
		(µg/L)									
MW-3	02/20/97	**140**[h]	ND	ND	ND	ND	ND	NA	NA	NA	NA
	05/28/97	**240**[b,h]	ND	ND	ND	ND	ND	NA	NA	NA	NA
	09/19/97	ND	ND	0.7	ND	ND	ND	ND	NA	NA	NA
	11/17/97	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	02/27/98	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	05/27/98	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	10/01/98	56[l]	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/22/98	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/28/99	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	03/14/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	06/28/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	09/14/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/11/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	03/14/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	06/13/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	08/29/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/13/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	04/11/02	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/05/02	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	Well MW-3 no longer included in sampling program										
MW-4	02/20/97	**470,000**	**64,000**	ND	ND	ND	ND	NA	NA	NA	NA
	05/28/97	**1,000,000**	**11,000**	ND	ND	ND	ND	NA	NA	NA	NA
	09/19/97	**2,600,000**	**37,000**	**260**	ND	ND	ND	ND	NA	NA	NA
	11/17/97	**57,000**	**4,400**	**25**	ND[c]	ND[c]	ND[c]	ND[c]	NA	NA	NA
	02/27/98	**9,300**	**580**	**2.7**	0.8	0.8	3	ND	NA	NA	NA
	05/27/98	**11,000**	**3,900**	**1.4**	0.6	ND	ND	ND	NA	NA	NA
	10/01/98	**670,000**	**2,400**	**5.7**	ND	ND	4.6	ND	NA	NA	NA
	12/22/98	**3,700**	**200**	ND[p]	ND[p]	ND[p]	ND[p]	ND[p]	NA	NA	NA
	12/28/99	**5,800**	**1,000**	ND	ND	ND	ND	ND	NA	NA	NA
	03/14/00	**4,800**	**350**	ND	ND	ND	ND	NA	NA	NA	NA
	06/28/00	**8,400**	**120**	ND	ND	ND	ND	ND	NA	NA	NA
	09/14/00	**19,000**	**130**	ND	ND	ND	ND	ND	NA	NA	NA
	12/11/00	**730**	**120**	ND	ND	ND	ND	ND	NA	NA	NA
	03/14/01	**580**	50	ND	ND	ND	ND	ND	NA	NA	NA
	06/13/01	**260**	54	ND	ND	ND	ND	ND	NA	NA	NA
	08/29/01	**30,000**	**940**	ND	ND	ND	ND	ND	NA	NA	NA
	12/13/01	**260**	50	ND	ND	ND	ND	ND	NA	NA	NA
	04/12/02	**230**	50	ND	ND	ND	ND	NA	NA	NA	NA
	12/05/02	**1,500**	50	ND	ND	ND	ND	ND	NA	NA	NA
	04/22/09	**13,000**	**480**	<0.50	<0.50	<0.50	<0.50	3.0	<0.50	<0.50	<0.50
	02/08/10	**12,000**	**120**[k]	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<0.50	<0.50
	07/16/10	**2,700**	**210**[k]	<0.50	<0.50	<0.50	<0.50	4.2	<0.50	<0.50	<0.50
	02/04/11	**26,000**	**1600**[k]	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<0.50	<0.50
	07/25/11	**720**	<50	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	<0.50	<0.50
	03/22/12	**2,500**[k]	<50	<0.50	<0.50	<0.50	<0.50	0.9	<0.50	<0.50	<2.0
	09/24/12	**1,200**[k]	<50	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<0.50	<2.0
	03/04/13	**550**	<50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<0.50	<2.0
MW-5	02/20/97	**1,100**[h]	ND	ND	ND	ND	ND	NA	NA	NA	NA
	05/28/97	**560**[b,q]	60[m]	ND	ND	ND	ND	NA	NA	NA	NA
	09/19/97	**1,000**	70	ND	ND	ND	ND	ND	NA	NA	NA
	11/17/97	**1,100**	70	0.6	0.7	0.5	ND	5.0	NA	NA	NA
	02/27/98	**ND**	ND	ND	ND	ND	ND	5.0	NA	NA	NA
	05/27/98	**770**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	10/01/98	**630**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/22/98	**890**[i]	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/28/99	**440**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	06/28/00	**110**[i]	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/11/00	**130**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	06/13/01	**120**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/13/01	**530**[i]	ND	ND	ND	ND	ND	ND	NA	NA	NA
	04/11/02	**230**[i]	ND	ND	ND	ND	ND	NA	NA	NA	NA
	Well MW-5 no longer included in sampling program										
ESLs		100	100	1.0	40	30	20	5.0	0.5	0.05	6.2

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	TPHd	TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	Ethylene Dichloride	Ethylene Dibromide	Naphthalene
		(µg/L)									
MW-7	02/20/97	**1,500,000**	**15,000**	**81**	**51**	ND	ND	NA	NA	NA	NA
	05/28/97	**440,000**	**390,000**	ND	ND	ND	ND	NA	NA	NA	NA
	09/19/97	**910,000**	**3,600**	**110**	**64**	**37**	ND	ND	NA	NA	NA
	11/17/97	**18,000,000**	**15,000**	**110**	**41**[c]	12[c]	**110**[c]	ND[c]	NA	NA	NA
	02/27/98	**290,000**	**45,000**	**80**	**60**	ND	ND	ND	NA	NA	NA
	05/27/98	**1,600**	**140**	**2.3**	0.9	0.9	3	ND	NA	NA	NA
	10/01/98	**89,000**	**710**	**39**	2.4	11	**31**	ND	NA	NA	NA
	12/22/98	**240,000**	**3,900**	**51**	ND	ND	ND	ND	NA	NA	NA
	12/28/99	**300,000**	**2,300**	**51**	5.3	13	**27**	ND	NA	NA	NA
	03/14/00	**640,000**	**620**	**31**	5.3	9.9	**31**	NA	NA	NA	NA
	06/28/00	**2,900,000**	**3,200(k)**	**15**	ND	3.2	**30**	ND	NA	NA	NA
	09/14/00	**15,000,000**	**1,900**	**11**	ND	10	**39**	ND	NA	NA	NA
	12/12/00	**340,000**	**4,500**	**5**	ND	ND	17	ND	NA	NA	NA
	03/14/01	**170,000**	**8,000**	**5**	ND	ND	ND	ND	NA	NA	NA
	06/13/01	**19,000**	100	0.99	ND	ND	ND	**6.2**	NA	NA	NA
	08/29/01	**27,000**	**120**	**3.9**	ND	ND	ND	5.0	NA	NA	NA
	12/12/01	**6,900**	**610**	0.5	ND	ND	ND	ND	NA	NA	NA
	04/12/02	**2,600**	**110**	0.5	ND	ND	ND	NA	NA	NA	NA
	12/05/02	**9,100**	**290**	0.5	ND	ND	ND	**5.7**	NA	NA	NA
	04/22/09	**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	**560**	52 [k]	0.63	<0.50	<0.50	<0.50	2.4	<0.50	<0.50	<0.50
	07/16/10	**12,000**	**4,000** [k]	**2.6**	<50	0.8	6.9	2.5	<50	<50	<50
9 feet	02/03/11	**690**	60 [k]	<0.50	<0.50	<0.50	<0.50	1.9	<0.50	<0.50	<0.50
18 feet	02/03/11	**430**	59[k]	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<0.50	<0.50
std	02/03/11	**1,200**	**120** [k]	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<0.50	<0.50
	07/25/11	<50	<50	<0.50	<0.50	<0.50	<0.50	1.9	<0.50	<0.50	<0.50
	03/22/12	**2,800**	**320**[k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	09/24/12	**1,200**[k]	**110**[k]	1.2	<0.50	<0.50	<0.50	1.8	<0.50	<0.50	<2.0
	03/04/13	**4,000**	55	<0.50	<0.50	<0.50	<0.50	1.9	<0.50	<0.50	<2.0
MW-8	02/20/97	**2,500**	**340**[a]	**2.1**	**53**	7.1	**94**	NA	NA	NA	NA
	05/28/97	**200**[b,s]	**480**[a]	**2.5**	12	ND	**76**	NA	NA	NA	NA
	09/19/97	**7,000**	**1,000**	0.8	5	0.5	**130**	ND	NA	NA	NA
	11/17/97	**520**	**250**	**1.4**	2.1	0.7	3	ND	NA	NA	NA
	02/27/98	**150**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	05/27/98	70	ND	ND	ND	ND	ND	ND	NA	NA	NA
	10/01/98	**440**[i]	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/28/99	**130**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	03/14/00	**170**	ND	ND	ND	ND	ND	NA	NA	NA	NA
	06/28/00	**300**[i]	ND	ND	ND	ND	ND	ND	NA	NA	NA
	09/14/00	**310**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/11/00	**15,000**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	03/14/01	**130**	ND	ND	ND	ND	ND	ND	NA	NA	NA
	06/13/01	100	ND	ND	ND	ND	ND	ND	NA	NA	NA
	08/29/01	**160**[i]	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/13/01	97[i]	ND	ND	ND	ND	ND	ND	NA	NA	NA
	04/12/02	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	12/05/02	97	ND	ND	ND	ND	ND	ND	NA	NA	NA
	04/22/09	<50	<50	<0.50	<0.50	<0.50	<1.0	2.9	<0.50	<0.50	<0.50
	02/08/10	**360** [k]	<50	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	<0.50	<0.50
	07/16/10	<50	<50	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<0.50	<0.50
	02/04/11	62 [k]	<50	<0.50	<0.50	<0.50	<0.50	0.8	<0.50	<0.50	<0.50
	07/25/11	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<0.50	<0.50
	03/22/12	<50	<50	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<0.50	<2.0
	09/24/12	<50	<50	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<0.50	<2.0
	03/04/13	<50	<50	<0.50	<0.50	<0.50	<0.50	0.5	<0.50	<0.50	<2.0
ESLs		100	100	1.0	40	30	20	5.0	0.5	0.05	6.2

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	TPHd	TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	Ethylene Dichloride	Ethylene Dibromide	Naphthalene
		(µg/L)									
OW-1	12/28/99	**7,700**	**3,400**	**11**	ND	ND	2.6	ND	NA	NA	NA
	03/15/00	**5,300**	**700**	**1.7**	ND	ND	ND	ND	NA	NA	NA
	06/29/00	**1,300**[k]	**140**[k]	**4**	ND	ND	2.2	**6.6**	NA	NA	NA
	09/14/00	**5800**[k]	**180**	ND	ND	ND	ND	ND	NA	NA	NA
	12/12/00	**230**	**110**	**3.4**	ND	ND	ND	ND	NA	NA	NA
	03/14/01	**2200**[k]	**110**	**4.0**	ND	ND	0.5	ND	NA	NA	NA
	06/13/01	**1500**[k]	**120**	**2.5**	ND	ND	ND	ND	NA	NA	NA
	08/29/01	**1,200**[k]	**130**[k]	ND	ND	ND	ND	ND	NA	NA	NA
	12/12/01	**3,100**[k]	76[k]	ND	ND	ND	ND	ND	NA	NA	NA
	04/11/02	**3,600**[k]	**300**[k]	ND	ND	ND	ND	NA	NA	NA	NA
	12/05/02	**490**[k]	78[k]	ND	ND	ND	ND	ND	NA	NA	NA
	04/22/09	**1,600**	130	<0.50	<0.50	<0.50	<1.0	**8.9**	<0.50	<0.50	<0.50
	02/08/10	**11,000**	<50	<0.50	<0.50	<0.50	<0.50	**5.1**	<0.50	<0.50	<0.50
	07/16/10	85	57 [k]	<0.50	<0.50	<0.50	<0.50	4.3	<0.50	<0.50	<0.50
	02/04/11	**17,000**	**140** [k]	<0.50	<0.50	<0.50	<0.50	**5.9**	<0.50	<0.50	<0.50
	07/25/11	**210**	70 [k]	<0.50	<0.50	<0.50	<0.50	**10**	<0.50	<0.50	<0.50
	03/22/12	**710**	81[k]	<0.50	<0.50	<0.50	<0.50	4.3	<0.50	<0.50	<2.0
	09/24/12	**1,200**[k]	**140**[k]	<0.50	<0.50	<0.50	<0.50	3.7	<0.50	<0.50	<2.0
	03/04/13	**350**	<50	<0.50	<0.50	<0.50	<0.50	4.7	<0.50	<0.50	<2.0
OW-2	12/28/99	**3,300**	**770**	**36**	ND	ND	1.7	**16**	NA	NA	NA
	03/15/00	**1,100**	**350**	**24**	ND	ND	ND	**9.3**	NA	NA	NA
	06/29/00	**850**	**160**	**7.4**	ND	ND	ND	**13**	NA	NA	NA
	09/14/00	**6,300**	**590**	**26**	0.79	ND	1.7	**17**	NA	NA	NA
	12/12/00	**320**	**210**	**6.6**	ND	ND	ND	**7.4**	NA	NA	NA
	03/14/01	**960**	**320**	**5.6**	ND	ND	ND	ND	NA	NA	NA
	06/13/01	**900**	**250**	**2.9**	ND	ND	ND	**10**	NA	NA	NA
	08/29/01	**1,400**	**270**	**5.3**	ND	ND	ND	ND	NA	NA	NA
	12/12/01	**4,100**	**280**	**14**	ND	ND	ND	**11**	NA	NA	NA
	04/11/02	**4,100**	**820**	**6.4**	ND	ND	ND	NA	NA	NA	NA
	12/05/02	**500**	**230**	0.5	ND	ND	ND	**5.6**	NA	NA	NA
	04/22/09	**2,100**	**210**	<0.50	<0.50	<0.50	<1.0	**6.8**	<0.50	<0.50	<0.50
	02/08/10	**10,000**	**140** [k]	<0.50	<0.50	<0.50	<0.50	**4.9**	<0.50	<0.50	<0.50
	07/16/10	**2,000**	**210** [k]	<0.50	<0.50	<0.50	<0.50	**5.7**	<0.50	<0.50	<0.50
	02/04/11	**2,200**	**260** [k]	<0.50	<0.50	<0.50	<0.50	**6.2**	<0.50	<0.50	<0.50
	07/25/11	**250**	**170** [k]	<0.50	<0.50	<0.50	<0.50	**9.9**	<0.50	<0.50	<0.50
	03/22/12	**680**	56 [k]	<0.50	<0.50	<0.50	<0.50	**6.0**	<0.50	<0.50	<2.0
	09/24/12	**1,900**[k]	**380**[k]	<0.50	<0.50	<0.50	<0.50	**10**	<0.50	<0.50	<2.0
	03/04/13	**1,300**	**110**[k]	<0.50	<0.50	<0.50	<0.50	**8.1**	<0.50	<0.50	<2.0
TB	02/08/10	NA	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/16/10	NA	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/03/11	NA	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/25/11	NA	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	03/22/12	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	09/24/12	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	03/04/13	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
ESLs		100	100	1.0	40	30	20	5.0	0.5	0.05	6.2

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	TPHd	TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	Ethylene Dichloride	Ethylene Dibromide	Naphthalene
		(µg/L)									
EB	02/08/10	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/16/10	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/25/11	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	03/22/12	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	09/24/12	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	03/04/13	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
ESLs		100	100	1.0	40	30	20	5.0	0.5	0.05	6.2

Notes:

µg/L - micrograms per liter
TPHd - Total Petroleum Hydrocarbons as diesel
TPHg - Total Petroleum Hydrocarbons as gasoline
MTBE - Methyl tert butyl ether
ESLs Regional Water Quality Control Board, San Francisco Bay Region, Environmental Screening Levels, presented in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* (May 2013). for Commercial/Industrial Sites, Shallow Soil, and Drinking Water Resource

ND - Not detected at or above the laboratory detection limit
NA - Not analyzed
EB - Equipment blank
< - Indicates constituent not detected at or above specified reporting limit

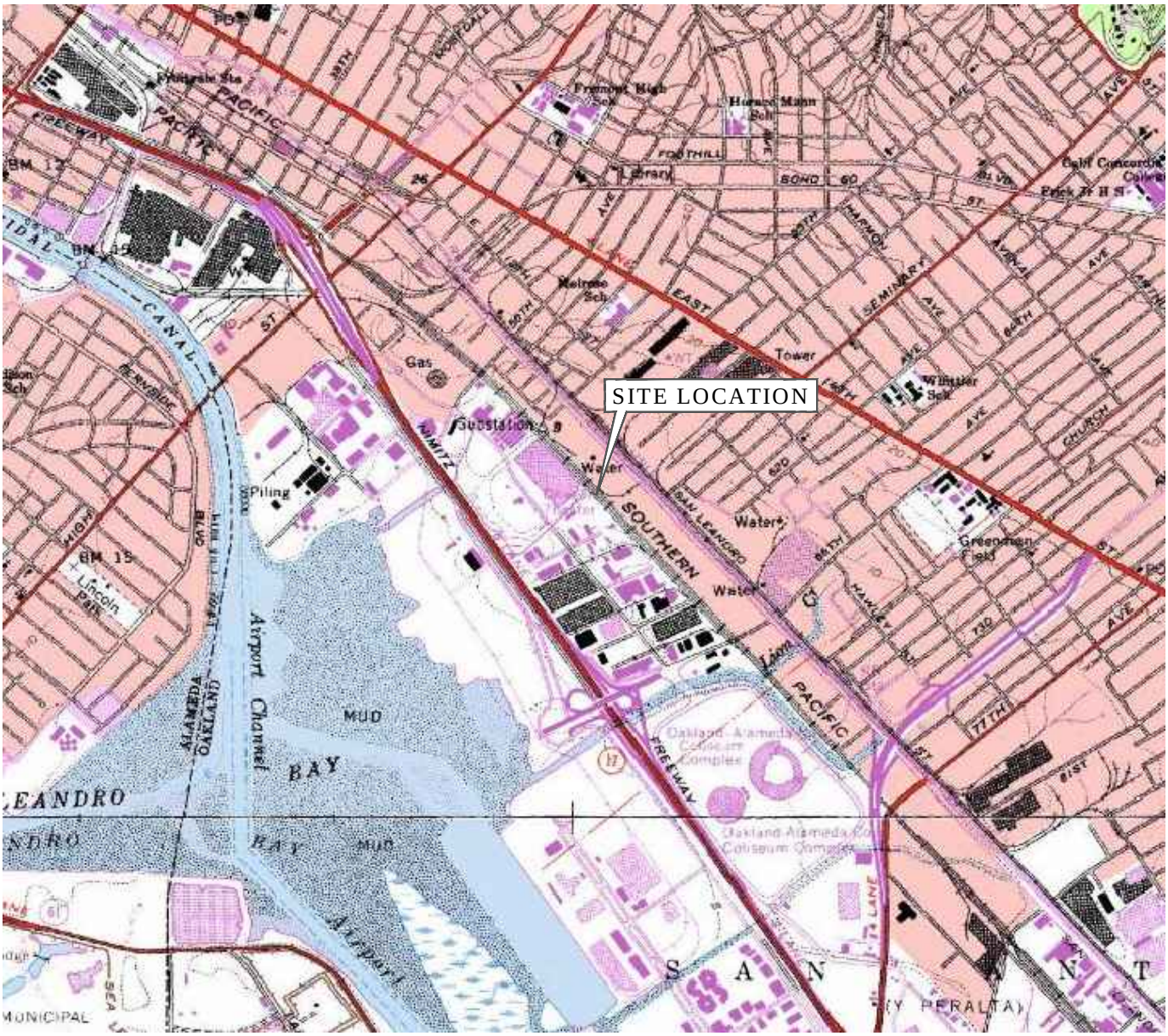
Bold text indicates that the value exceeds the ESL.

(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.

Ethylene dichloride reported as 1,2-Dichloroethane
Ethylene dibromide reported as 1,2-Dibromoethane

FIGURES

2013 First Semi-Annual Groundwater Monitoring Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702640.200.0001
June 13, 2013



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
57 Lafayette Circle, 2nd Floor
Lafayette California
PHONE: (925) 299-9300 FAX: (925) 299-9302

FOR:		SITE LOCATION MAP		FIGURE:
PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA				1
JOB NUMBER: 185702640.200.0001	DRAWN BY: RRR	CHECKED BY: EH	APPROVED BY: EH/GH/AM	DATE: 03/19/13

FILEPATH:M:\Penske\OAKLAND\185702640.200.0001\GW-MONITORING-1Q13-F1.DWG|rroggasch|Mar 18, 2013 at 8:08|Layout: SITE LOCATION MAP

No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and or information.

REFERENCE:

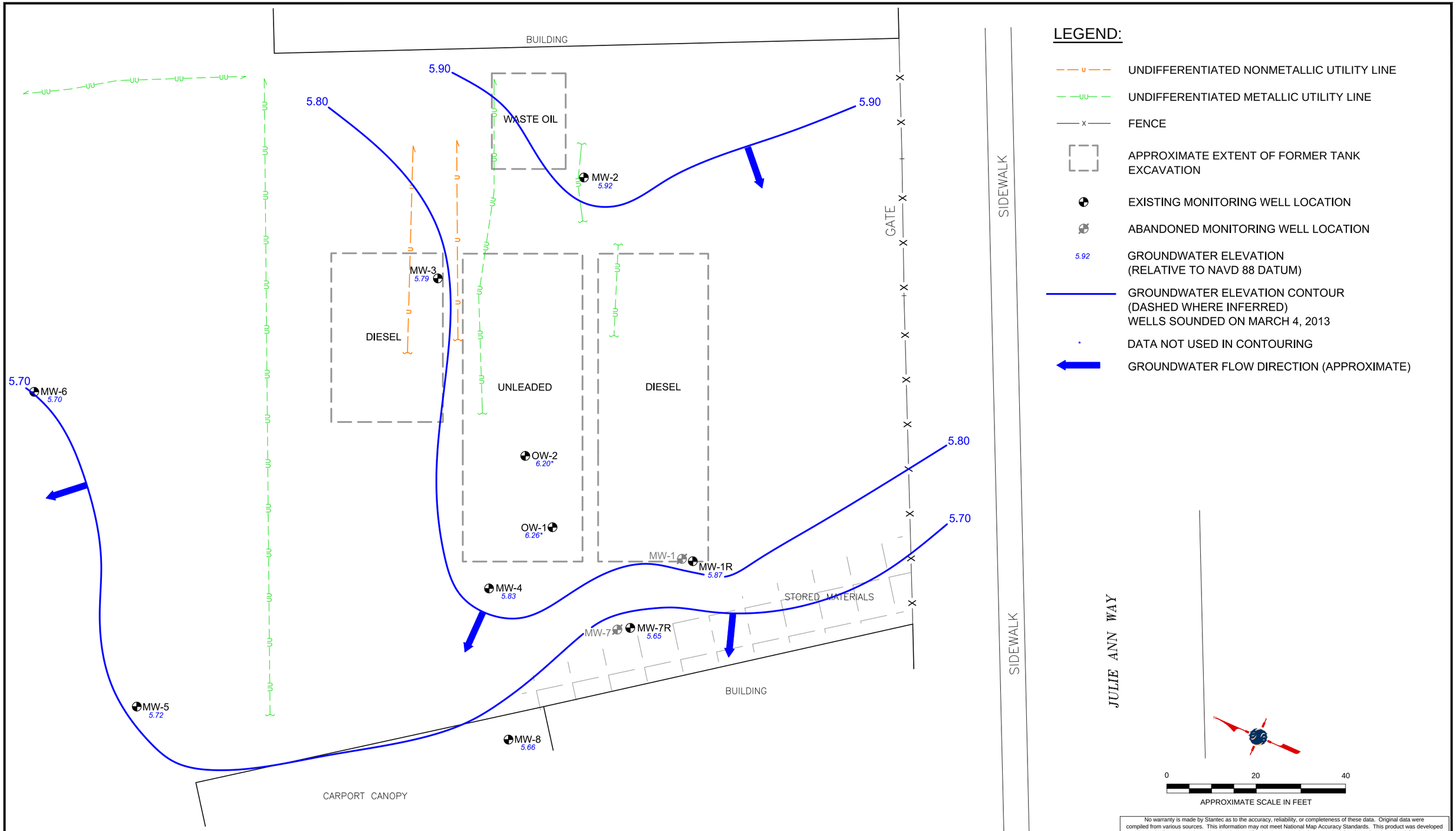
UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL CONSULTANTS INC.
PLATE 1; DECEMBER 2008; BY G. RANDALL; JOB # 008-903.05

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
57 Lafayette Circle, 2nd Floor
Lafayette, California, 94549
PHONE:(925) 299-9300 FAX:(925) 299-9302

PREPARED FOR:			FIGURE:
PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA		SITE PLAN	2
JOB NUMBER: 185702640.200.0001	DRAWN BY: RRR	CHECKED BY: EH	APPROVED BY: EH	DATE: 03/19/13

FILEPATH:M:\Penske\OAKLAND\185702640.200.0001\GW-MONITORING-1Q13-F2_F4.dwg|rroggasch|Mar 18, 2013 at 8:06|Layout: FIG-2



LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- EXISTING MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- 5.92 GROUNDWATER ELEVATION (RELATIVE TO NAVD 88 DATUM)
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) WELLS SOUNDED ON MARCH 4, 2013
- * DATA NOT USED IN CONTOURING
- GROUNDWATER FLOW DIRECTION (APPROXIMATE)

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
57 Lafayette Circle, 2nd Floor
Lafayette, California, 94549
PHONE:(925) 299-9300 FAX:(925) 299-9302

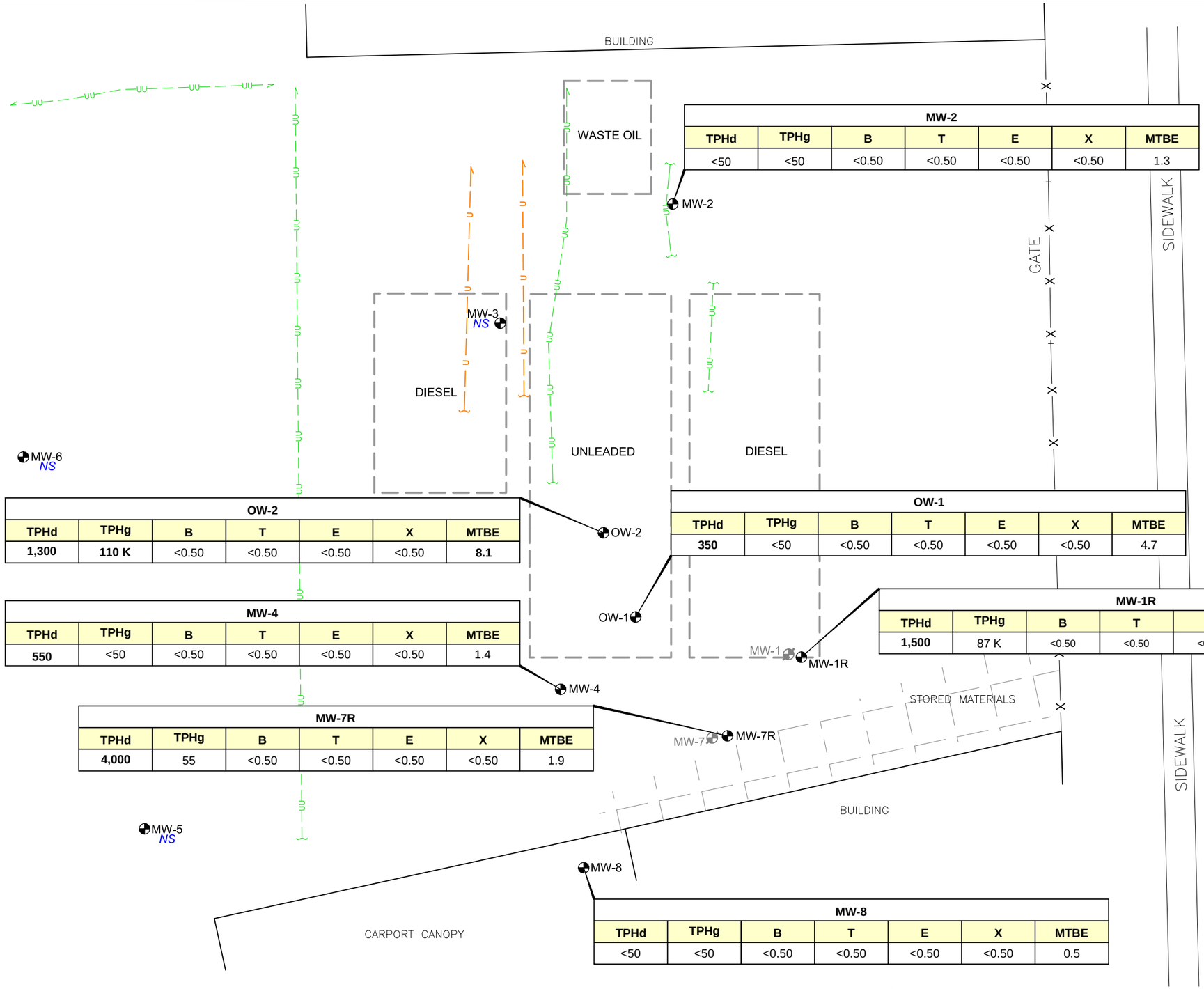
PREPARED FOR:
PENSKE
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION
SURFACE CONTOUR MAP
MARCH 2013

FIGURE: 3

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702640.200.0001	RRR	EH	EH	06/10/13

FILEPATH:M:\Penske\OAKLAND\185702640.200.0001\GW-MONITORING-1O13-F2 F4.dwg|RRoggasch|Jun 13, 2013 at 7:59|Layout: F3-1O13



MW-2

TPHd	TPHg	B	T	E	X	MTBE
<50	<50	<0.50	<0.50	<0.50	<0.50	1.3

OW-2

TPHd	TPHg	B	T	E	X	MTBE
1,300	**110 K**	<0.50	<0.50	<0.50	<0.50	**8.1**

OW-1

TPHd	TPHg	B	T	E	X	MTBE
350	<50	<0.50	<0.50	<0.50	<0.50	4.7

MW-1R

TPHd	TPHg	B	T	E	X	MTBE
1,500	87 K	<0.50	<0.50	<0.50	<0.50	<0.50

MW-4

TPHd	TPHg	B	T	E	X	MTBE
550	<50	<0.50	<0.50	<0.50	<0.50	1.4

MW-7R

TPHd	TPHg	B	T	E	X	MTBE
4,000	55	<0.50	<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	0.5

LEGEND:

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

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 MARCH 4, 2013.
3. **BOLD** values exceed Regional Water Quality Control Board, San Francisco Bay Region, Environmental Screening Levels (May 2013).
4. Environmental Screening Levels (ESLs);

TPHd	=	100 µg/L
TPHg	=	100 µg/L
Benzene	=	1.0 µg/L
Toluene	=	40 µg/L
Ethylbenzene	=	30 µg/L
Total Xylenes	=	20 µg/L
MTBE	=	5.0 µg/L

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
57 Lafayette Circle, 2nd Floor
Lafayette, California, 94549
PHONE:(925) 299-9300 FAX:(925) 299-9302

PREPARED FOR:
PENSKE
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

FUEL HYDROCARBON CONSTITUENTS IN GROUNDWATER MARCH 2013

FIGURE: 4

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702640.200.0001	RRR	EH	EH	06/10/13

FILEPATH:M:\Penske\OAKLAND\185702640.200.0001\GW-MONITORING-1Q13-F2_F4.dwg|RRoggasch|Jun 10, 2013 at 15:17|Layout: F4

FIGURE 5
TPHd versus Time
725 Julie Ann Way, Oakland, CA

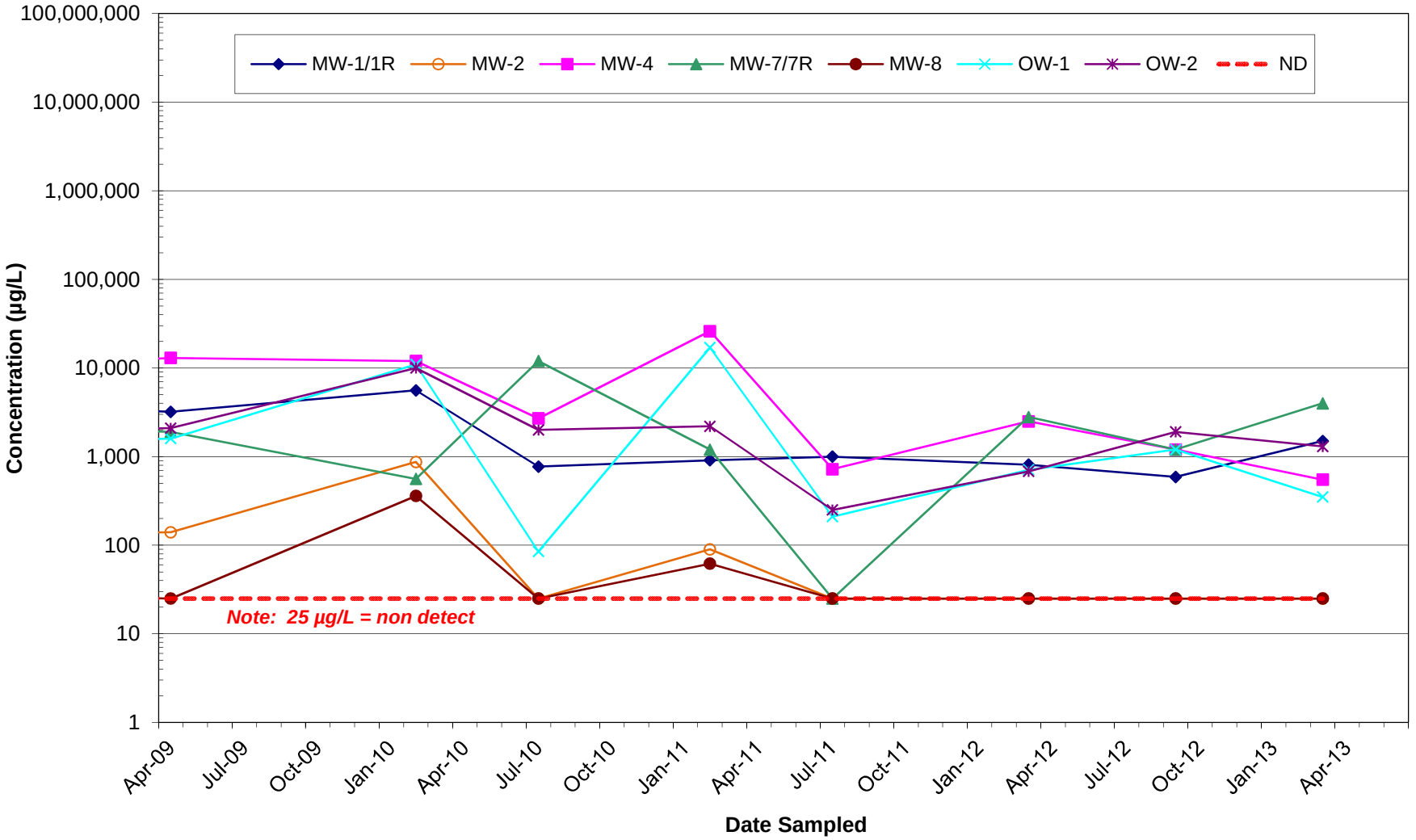


FIGURE 6
TPHg versus Time
725 Julie Ann Way, Oakland, CA

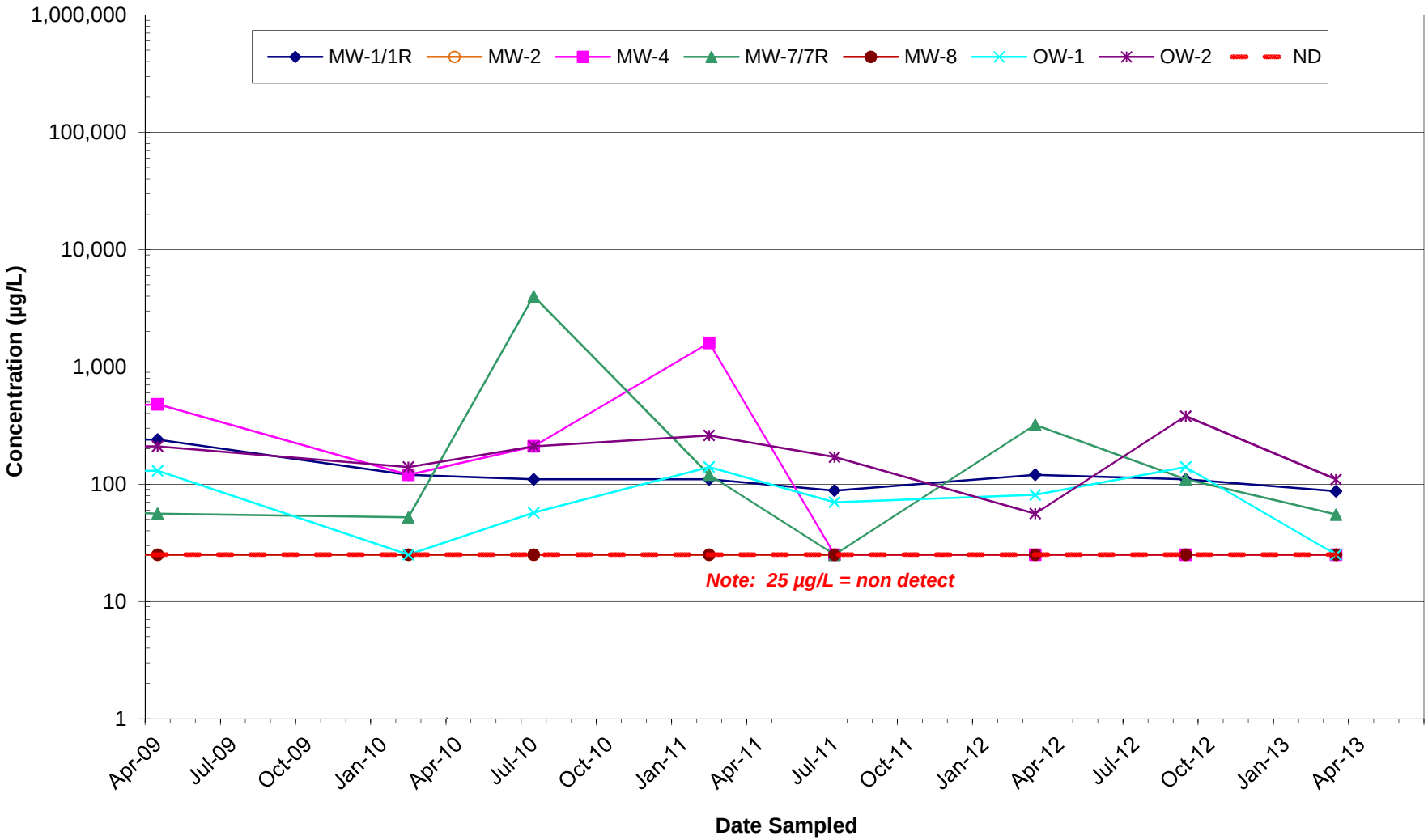


FIGURE 7
Benzene versus Time
725 Julie Ann Way, Oakland, CA

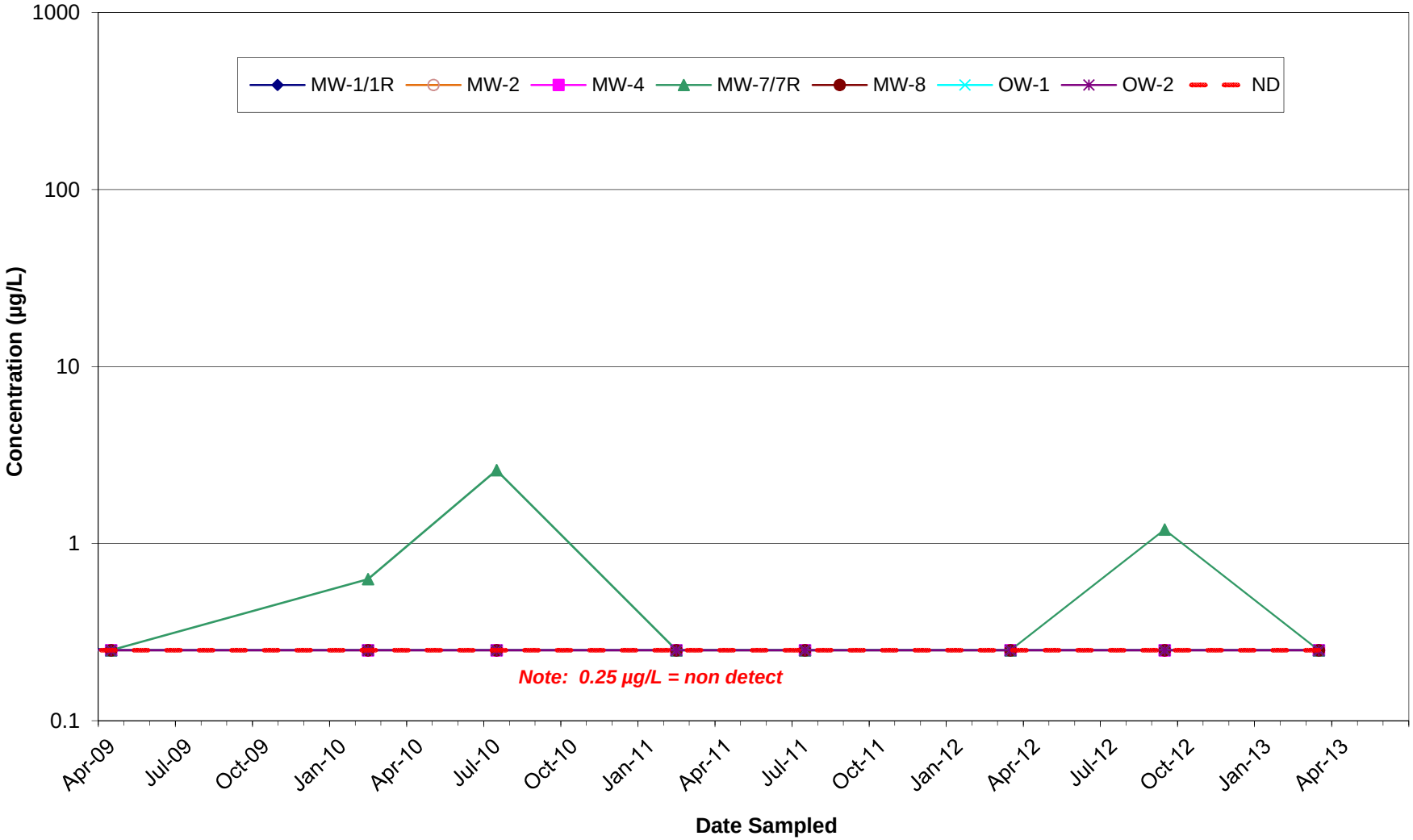
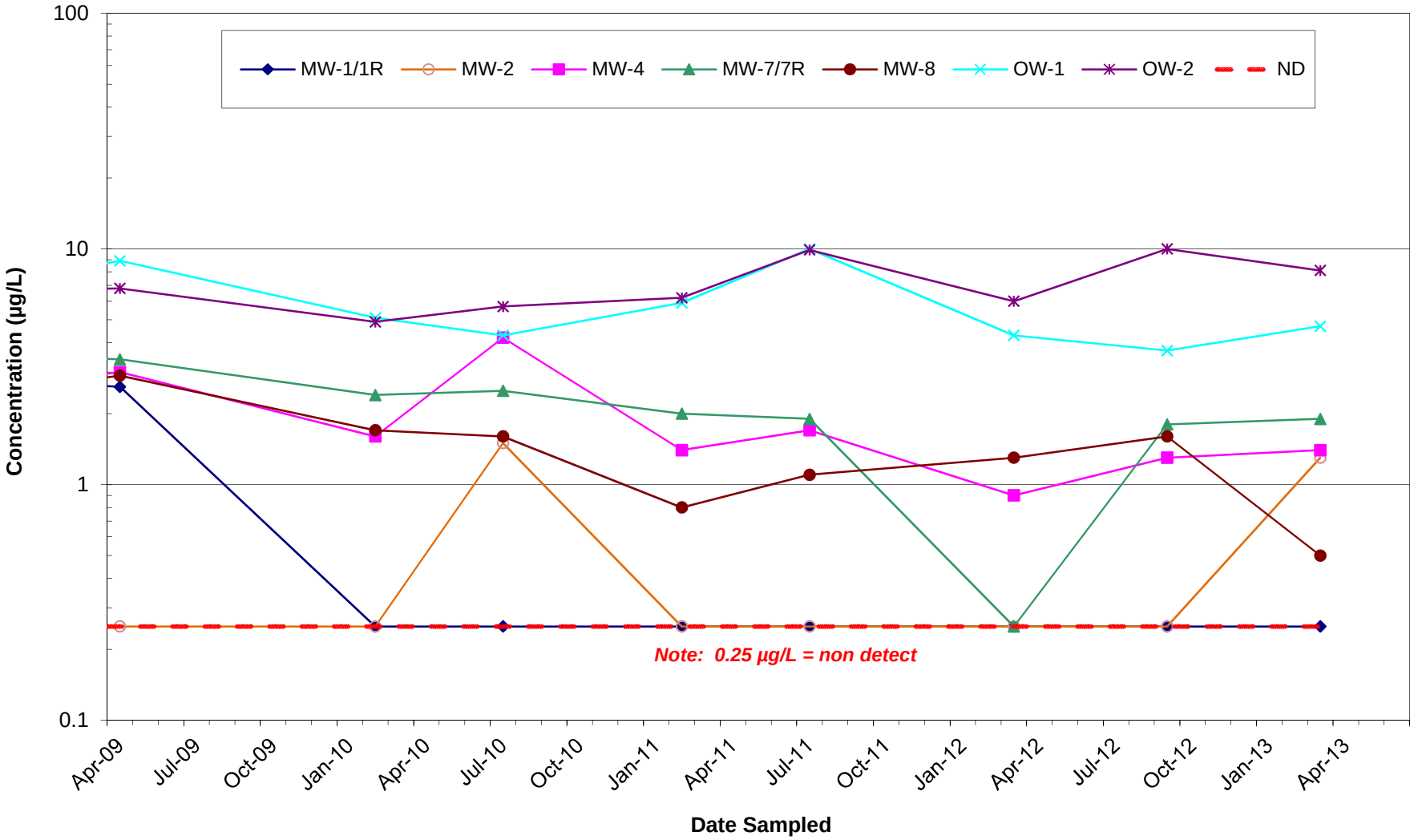


FIGURE 8
MTBE versus Time
725 Julie Ann Way, Oakland, CA



APPENDIX A
Groundwater Sample Collection Logs

2013 First Semi-Annual Groundwater Monitoring Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702640.200.0001
June 13, 2013

WELL GAUGING DATA

Project # 130304-PC1 Date 3/4/13 Client Stantec

Site 725 Julie Ann Wy., Oakland

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	0800	2					5.15	19.52		
MW-2	0814	4					5.95	29.32		
MW-3	0819	4					6.00	33.40		
MW-4	0839	4					5.05	33.28		
MW-5	0810	4					4.69	31.29		
MW-6	0804	4					5.35 5.35 DTW	24.49		
MW-7R	0834	2					5.19	19.35		
MW-8	0837	4					5.09	26.32		
OW-1	0830	4					4.49	19.51		
OW-2	0806	4					4.83	14.68		

WELL MONITORING DATA SHEET

Project #: 130304-R1	Client: Stantec
Sampler: RC	Date: 3/4/13
Well I.D.: MW-1R	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 19.52	Depth to Water (DTW): 5.15
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]: 8.02	

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
1200	14.6	7.34	2305	249	2.3	
1203	14.6	6.86	2454	282	4.6	
1207	14.9	6.84	24.84	352	6.9	

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

Sampling Date: 3/4/13 Sampling Time: 1212 Depth to Water: 5.71

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

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:	0.47 mg/L	Post-purge:	0.81	mg/L
O.R.P. (if req'd):	Pre-purge:	46 mV	Post-purge:	-13	mV

WELL MONITORING DATA SHEET

Project #: 132804-P01	Client: Stantec
Sampler: PC	Date: 3/4/13
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 29.32	Depth to Water (DTW): 5.95
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]: 10.62	

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
0910	17.5	6.76	3904	12	15.2	
0918	18.0	6.92	4053	8	30.4	
0926	18.4	6.97	4126	6	45.6	

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

Sampling Date: 3/4/13 Sampling Time: 0932 Depth to Water: 6.12

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

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

EB I.D. (if applicable): QCEB @ Time 0858 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:	1.31	mg/L
O.R.P. (if req'd):	Pre-purge:	216 mV	Post-purge:	189	mV

WELL MONITORING DATA SHEET

Project #: 130804-PC1	Client: Stantec
Sampler: PC	Date: 3/4/13
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 33.28	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]: 10.70	

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

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

18.3 (Gals.) X 3 = 54.9 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
1034	16.7	6.79	8666	24	18.3	
1043	17.8	6.78	12.59 mS	22	36.6	
1052	18.3	6.79	13.42	6	54.9	

Did well dewater? Yes (No) Gallons actually evacuated: 55

Sampling Date: 3/4/13 Sampling Time: ~~1254~~ 1335 Depth to Water: 5.51

Sample I.D.: MW-4 Laboratory: Kiff CalScience Other (C&T)

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:	0.60 mg/L	Post-purge:	0.58	mg/L
O.R.P. (if req'd):	Pre-purge:	126 mV	Post-purge:	98	mV

WELL MONITORING DATA SHEET

Project #: 130204-PC1	Client: Stantec
Sampler: PC	Date: 3/4/13
Well I.D.: MW-7R	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 19.35	Depth to Water (DTW): 5.19
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]: 8.02	

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

Sampling Method: Bailer; X 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
1110	16.4	7.93	4021	70	2.3	H_2S odor, grey
1113	16.8	7.32	3481	32	4.6	↓
1116	16.9	7.20	3362	26	6.9	↓

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

Sampling Date: 3/4/13 Sampling Time: 1122 Depth to Water: 5.25

Sample I.D.: MW-7R Screen Sample @ Laboratory: Kiff CalScience Other CET

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:	0.57 mg/L	Post-purge:	0.49	mg/L
O.R.P. (if req'd):	Pre-purge:	-75 mV	Post-purge:	3	mV

WELL MONITORING DATA SHEET

Project #: #30304-PC1	Client: Stantec
Sampler: PC	Date: 3/4/13
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.32	Depth to Water (DTW): 5.09
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]: 9.34	

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

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

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

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

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1000	16.5	7.25	5972	19	13.8	
1007	16.5	6.92	6358	19	27.6	
1014	16.7	6.91	6577	25	41.4	

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

Sampling Date: 3/4/13 Sampling Time: 1020 Depth to Water: 6.71

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

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:	2.94 mg/L	Post-purge:	0.94	mg/L
O.R.P. (if req'd):	Pre-purge:	187 mV	Post-purge:	174	mV

WELL MONITORING DATA SHEET

Project #: 130304-P01	Client: Stantec
Sampler: PC	Date: 3/4/13
Well I.D.: OW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.51	Depth to Water (DTW): 4.49
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]: 7.49	

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

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

9.8 (Gals.) X	3	= 29.4 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
1230	15.6	6.95	2950	17	9.8	
1235	15.7	6.92	2899	9	19.6	
1240	15.7	6.83	2875	6	29.4	

Did well dewater? Yes (No) Gallons actually evacuated: 29.4

Sampling Date: 3/4/13 Sampling Time: 1250 Depth to Water:

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

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:	0.63 mg/L	Post-purge:	0.50 mg/L	
O.R.P. (if req'd):	Pre-purge:	-19 mV	Post-purge:	-27 mV	

WELL MONITORING DATA SHEET

Project #: 130304-PC1	Client: Stantec
Sampler: PC	Date: 3/4/13
Well I.D.: OW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.68	Depth to Water (DTW): 4.83
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]: 6.80	

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

Sampling Method: Bailer; X 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	radius^2 * 0.163

Time	Temp (°F or (C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1302	16.2	6.91	2931	29	6.4	
1306	16.1	6.92	2880	13	12.8	
1310	16.0	6.91	2816	8	19.2	

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

Sampling Date: 3/4/13 Sampling Time: 1320 Depth to Water: 4.96

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

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:	0.75 mg/L	Post-purge:	0.52 mg/L	
O.R.P. (if req'd):	Pre-purge:	-41 mV	Post-purge:	-40 mV	

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 725 Julie Ann Way, Oakland				PROJECT NUMBER 130304-R1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. °C	INITIALS
YSI 5504	05G1886	3/4/13 1061D	DO → 100%	100.3	Y	19.5	R
Myron	62/0221	↓ 0612	4/7/10 pH	4.0/7.0/10.0	Y	12.1	R
			3900µs	3898	Y	12.0	↓
			250.5mV@10°C	242	Y	12.0	↓

APPENDIX B
Water Sample Laboratory Reports and Chain-of-Custody Forms

2013 First Semi-Annual Groundwater Monitoring Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702640.200.0001
June 13, 2013


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 243555
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	243555-001
MW-2	243555-002
MW-4	243555-003
MW-7R	243555-004
MW-8	243555-005
OW-1	243555-006
OW-2	243555-007
QCEB	243555-008
QCTB	243555-009

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: _____ Date: 03/11/2013

Mike J. Dahlquist
Project Manager
(510) 486-0900

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**243555**
Client:	**Stantec**
Location:	**725 Julie Ann Way**
Request Date:	**03/05/13**
Samples Received:	**03/05/13**

This data package contains sample and QC results for nine water samples, requested for the above referenced project on 03/05/13. 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.

243555

BLAINE
TECH SERVICES, INC.

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

CONDUCT ANALYSIS TO DETECT

LAB C&T Berkeley DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER

CHAIN OF CUSTODY BTS # 130304-RC1

CLIENT Stantec

SITE 725 Julie Ann Way
Oakland CA

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

	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	3/4/13	1212	W	8	MeOH	X	X	X	X				
2	MW-2		0932		8		X	X	X	X				
3	MW-4		1335		8		X	X	X	X				
4	MW-7R		1122		8		X	X	X	X				
5	MW-8		1020		8		X	X	X	X				
6	OW-1		1250		8		X	X	X	X				
7	OW-2		1320		8		X	X	X	X				
8	QCEB		0858		8		X	X	X	X				
9	QCTB		0800		2	VOAs	X							

SAMPLING COMPLETED DATE 3/4/13 TIME

SAMPLING PERFORMED BY R. Lorton

RESULTS NEEDED NO LATER THAN **Standard TAT**

		DATE	TIME		DATE	TIME
RELEASED BY		3/4/13	1600	RECEIVED BY (SC)	3/4/13	1600
RELEASED BY	Sample Custodian BTS	3/5/13	1400	RECEIVED BY	3/5/13	1400
RELEASED BY		3/5/13	1705	RECEIVED BY	3/5/13	1705

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

intact 10 RC

COOLER RECEIPT CHECKLIST Curtis & Tompkins, Ltd.

Login # 243555 Date Received 3/5/13 Number of coolers 2
Client Stantec Project 725 Julie Ann Way

Date Opened 3/5/13 By (print) EL (sign) E. L
Date Logged in ↓ By (print) ↓ (sign) ↓

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) 0.5

☐ 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) -004: 3 of 6 VOAs rec'd w/bubble
-007: 2 of 6 VOAs rec'd w/bubble.

Rev 10, 11/11

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/04/13
Units:	ug/L	Received:	03/05/13
Diln Fac:	1.000		

Field ID:	MW-1R	Batch#:	196183
Type:	SAMPLE	Analyzed:	03/08/13
Lab ID:	243555-001		

Analyte	Result	RL
Gasoline C7-C12	87 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	114	76-128

Field ID:	MW-2	Batch#:	196128
Type:	SAMPLE	Analyzed:	03/06/13
Lab ID:	243555-002		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	86	76-128

Field ID:	MW-4	Batch#:	196128
Type:	SAMPLE	Analyzed:	03/06/13
Lab ID:	243555-003		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	91	76-128

Field ID:	MW-7R	Batch#:	196183
Type:	SAMPLE	Analyzed:	03/08/13
Lab ID:	243555-004		

Analyte	Result	RL
Gasoline C7-C12	55	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	99	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 #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/04/13
Units:	ug/L	Received:	03/05/13
Diln Fac:	1.000		

Field ID: MW-8 Batch#: 196128
Type: SAMPLE Analyzed: 03/06/13
Lab ID: 243555-005

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	86	76-128

Field ID: OW-1 Batch#: 196128
Type: SAMPLE Analyzed: 03/06/13
Lab ID: 243555-006

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	88	76-128

Field ID: OW-2 Batch#: 196183
Type: SAMPLE Analyzed: 03/08/13
Lab ID: 243555-007

Analyte	Result	RL
Gasoline C7-C12	110 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	103	76-128

Field ID: QCEB Batch#: 196128
Type: SAMPLE Analyzed: 03/07/13
Lab ID: 243555-008

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	83	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 #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/04/13
Units:	ug/L	Received:	03/05/13
Diln Fac:	1.000		

Field ID:	QCTB	Batch#:	196128
Type:	SAMPLE	Analyzed:	03/07/13
Lab ID:	243555-009		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	84	76-128

Type:	BLANK	Batch#:	196128
Lab ID:	QC679081	Analyzed:	03/06/13

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	81	76-128

Type:	BLANK	Batch#:	196183
Lab ID:	QC679274	Analyzed:	03/08/13

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	83	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 #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC679080	Batch#:	196128
Matrix:	Water	Analyzed:	03/06/13
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	962.2	96	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	85	76-128

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	MW-1R	Batch#:	196128
MSS Lab ID:	243555-001	Sampled:	03/04/13
Matrix:	Water	Received:	03/05/13
Units:	ug/L	Analyzed:	03/06/13
Diln Fac:	1.000		

Type: MS Lab ID: QC679082

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	97.58	2,000	1,985	94	76-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	94	76-128

Type: MSD Lab ID: QC679083

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,751	83	76-120	13	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	91	76-128

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC679273	Batch#:	196183
Matrix:	Water	Analyzed:	03/08/13
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	997.7	100	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	100	76-128

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	196183
MSS Lab ID:	243621-001	Sampled:	03/07/13
Matrix:	Water	Received:	03/07/13
Units:	ug/L	Analyzed:	03/08/13
Diln Fac:	1.000		

Type: MS Lab ID: QC679275

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	17.44	2,000	1,915	95	76-120

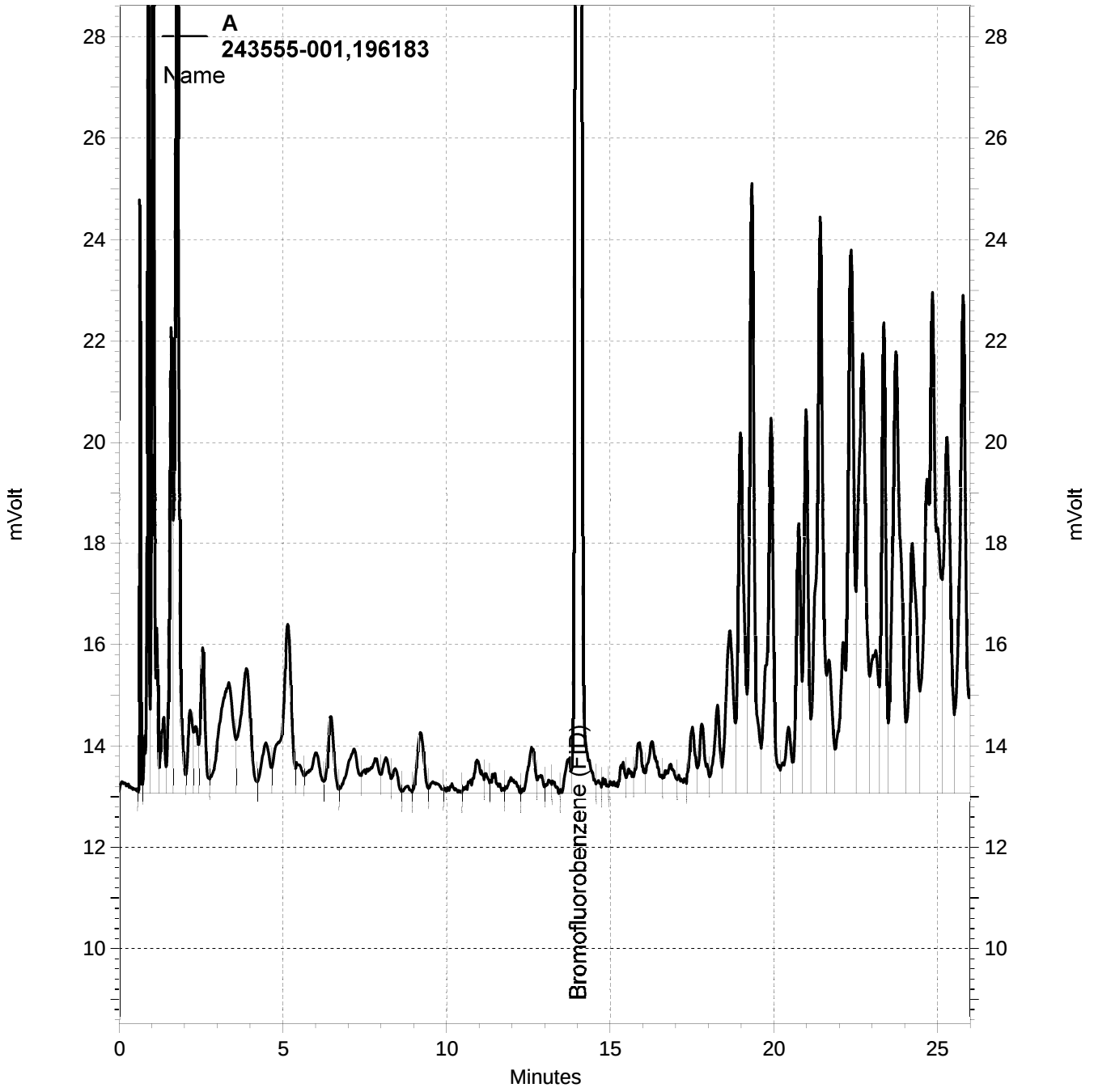
Surrogate	%REC	Limits
Bromofluorobenzene (FID)	113	76-128

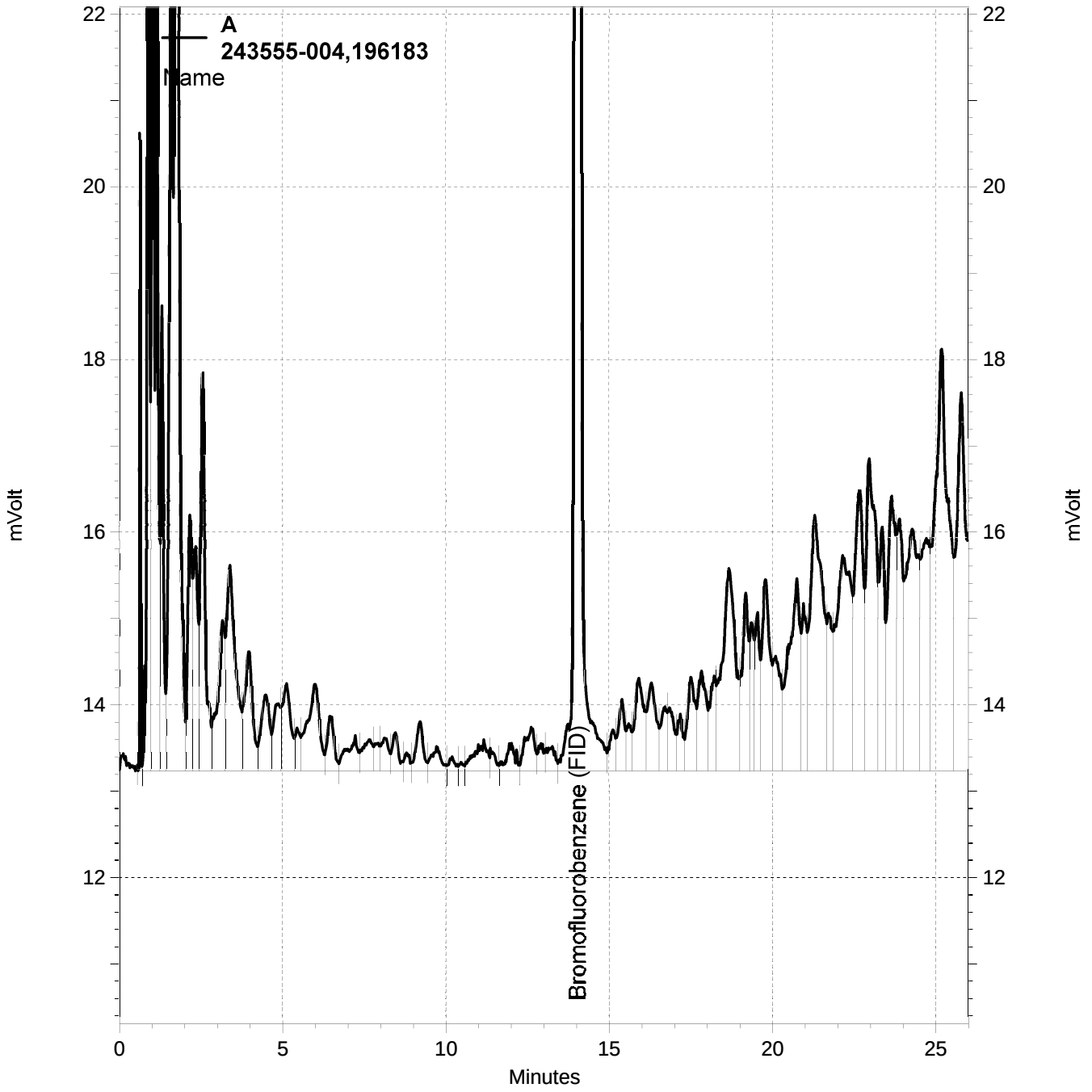
Type: MSD Lab ID: QC679276

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,841	91	76-120	4	20

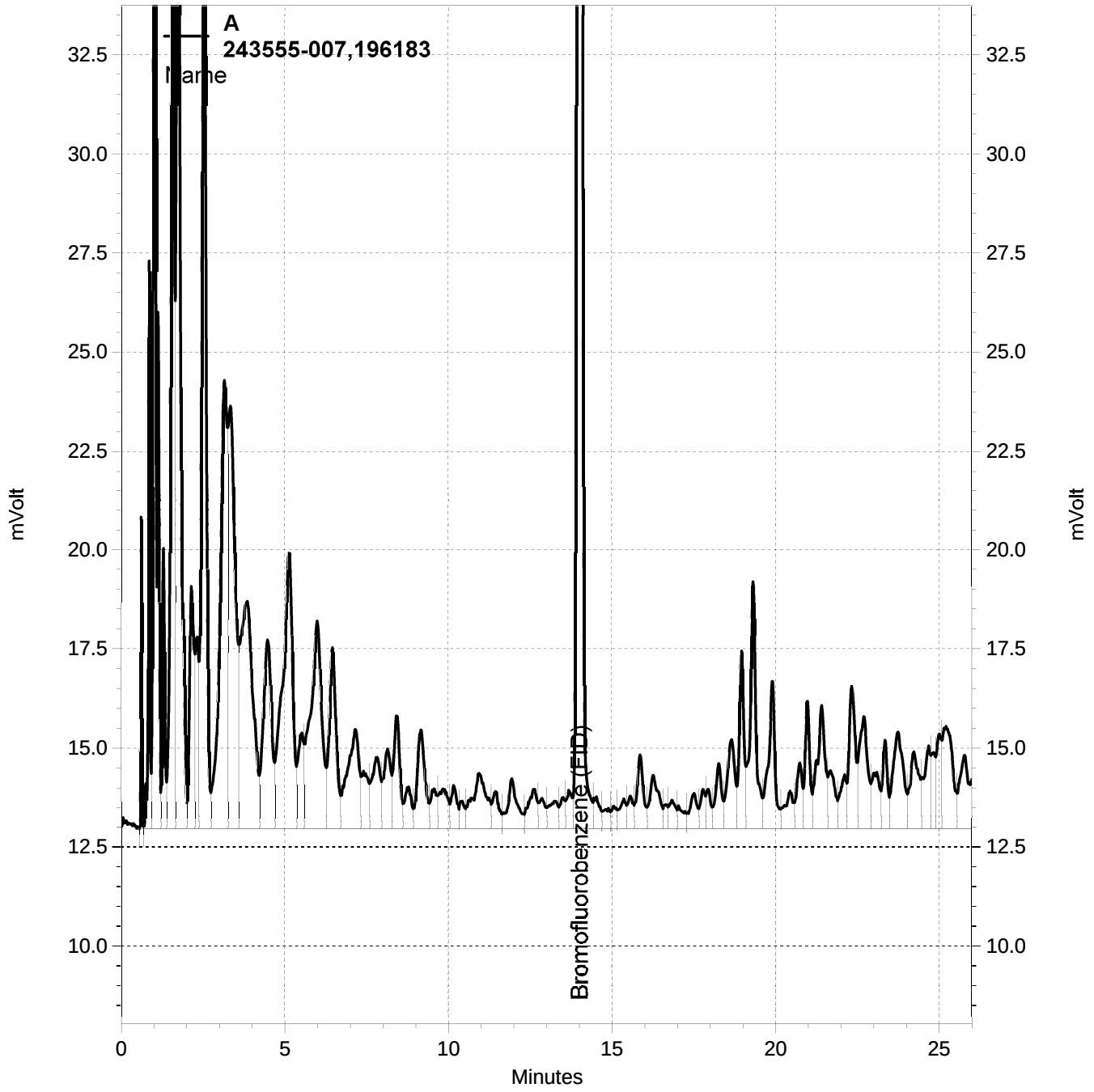
Surrogate	%REC	Limits
Bromofluorobenzene (FID)	94	76-128

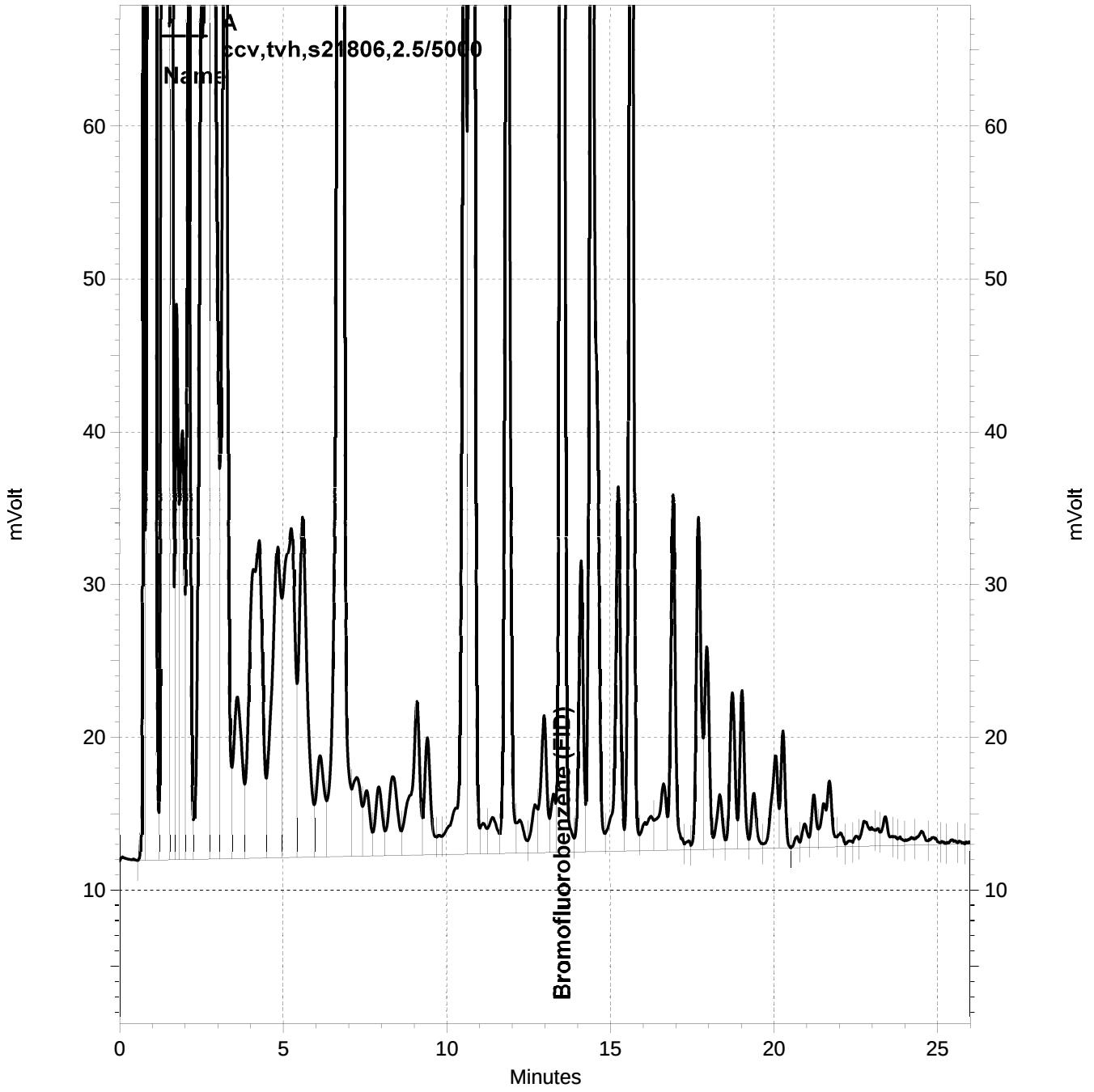
RPD= Relative Percent Difference


A
243555-001,196183
Name
mVolt
mVolt
Bromofluorobenzene (FID)
Minutes
0
5
10
15
20
25
10
12
14
16
18
20
22
24
26
28
\\Lims\gdrive\ezchrom\Projects\GC19\Data\067-015, A



\\Lims\gdrive\ezchrom\Projects\GC19\Data\067-016, A


A
243555-007,196183
Name
mVolt
mVolt
32.5
30.0
27.5
25.0
22.5
20.0
17.5
15.0
12.5
10.0
0
5
10
15
20
25
Minutes
Bromofluorobenzene (FID)
\\Lims\gdrive\ezchrom\Projects\GC19\Data\067-017, A



\\Lims\gdrive\ezchrom\Projects\GC05\Data\065-002, A

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/04/13
Units:	ug/L	Received:	03/05/13
Diln Fac:	1.000	Prepared:	03/06/13
Batch#:	196123		

Field ID: MW-1R
Type: SAMPLE
Lab ID: 243555-001
Analyzed: 03/07/13
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1,500	50

Surrogate	%REC	Limits
o-Terphenyl	107	62-133

Field ID: MW-2
Type: SAMPLE
Lab ID: 243555-002
Analyzed: 03/07/13
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	108	62-133

Field ID: MW-4
Type: SAMPLE
Lab ID: 243555-003
Analyzed: 03/07/13
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	550	50

Surrogate	%REC	Limits
o-Terphenyl	119	62-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/04/13
Units:	ug/L	Received:	03/05/13
Diln Fac:	1.000	Prepared:	03/06/13
Batch#:	196123		

Field ID: MW-7R
Type: SAMPLE
Lab ID: 243555-004
Analyzed: 03/07/13
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	4,000	50

Surrogate	%REC	Limits
o-Terphenyl	102	62-133

Field ID: MW-8
Type: SAMPLE
Lab ID: 243555-005
Analyzed: 03/07/13
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	113	62-133

Field ID: OW-1
Type: SAMPLE
Lab ID: 243555-006
Analyzed: 03/07/13
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	350	50

Surrogate	%REC	Limits
o-Terphenyl	95	62-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/04/13
Units:	ug/L	Received:	03/05/13
Diln Fac:	1.000	Prepared:	03/06/13
Batch#:	196123		

Field ID: OW-2 Analyzed: 03/07/13
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 243555-007

Analyte	Result	RL
Diesel C10-C24	1,300	50

Surrogate	%REC	Limits
o-Terphenyl	121	62-133

Field ID: QCEB Analyzed: 03/08/13
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 243555-008

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	117	62-133

Type: BLANK Analyzed: 03/07/13
Lab ID: QC679059 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	105	62-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	196123
Units:	ug/L	Prepared:	03/06/13
Diln Fac:	1.000	Analyzed:	03/07/13

Type: BS
Lab ID: QC679060
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,325	93	59-120

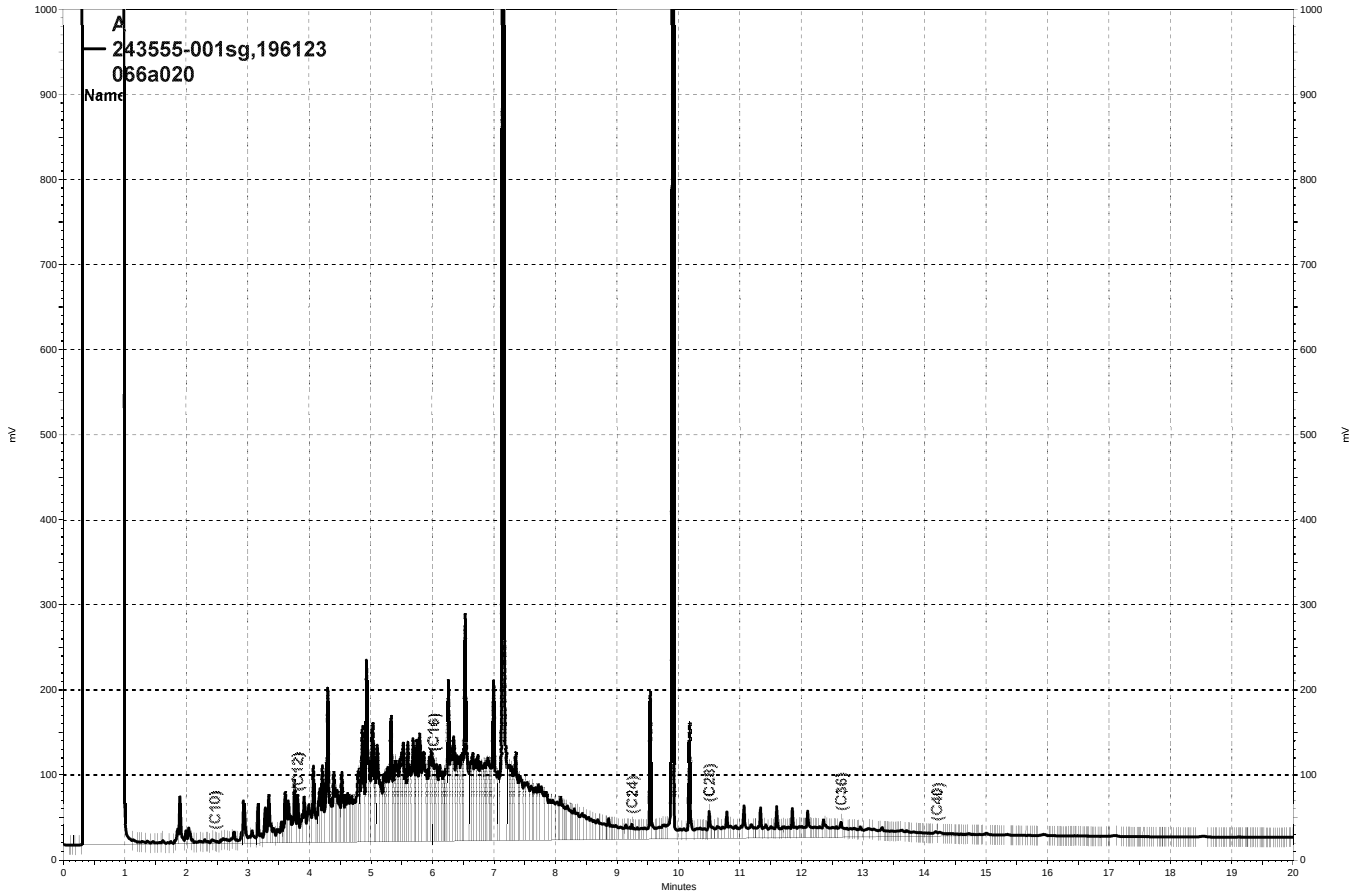
Surrogate	%REC	Limits
o-Terphenyl	108	62-133

Type: BSD
Lab ID: QC679061
Cleanup Method: EPA 3630C

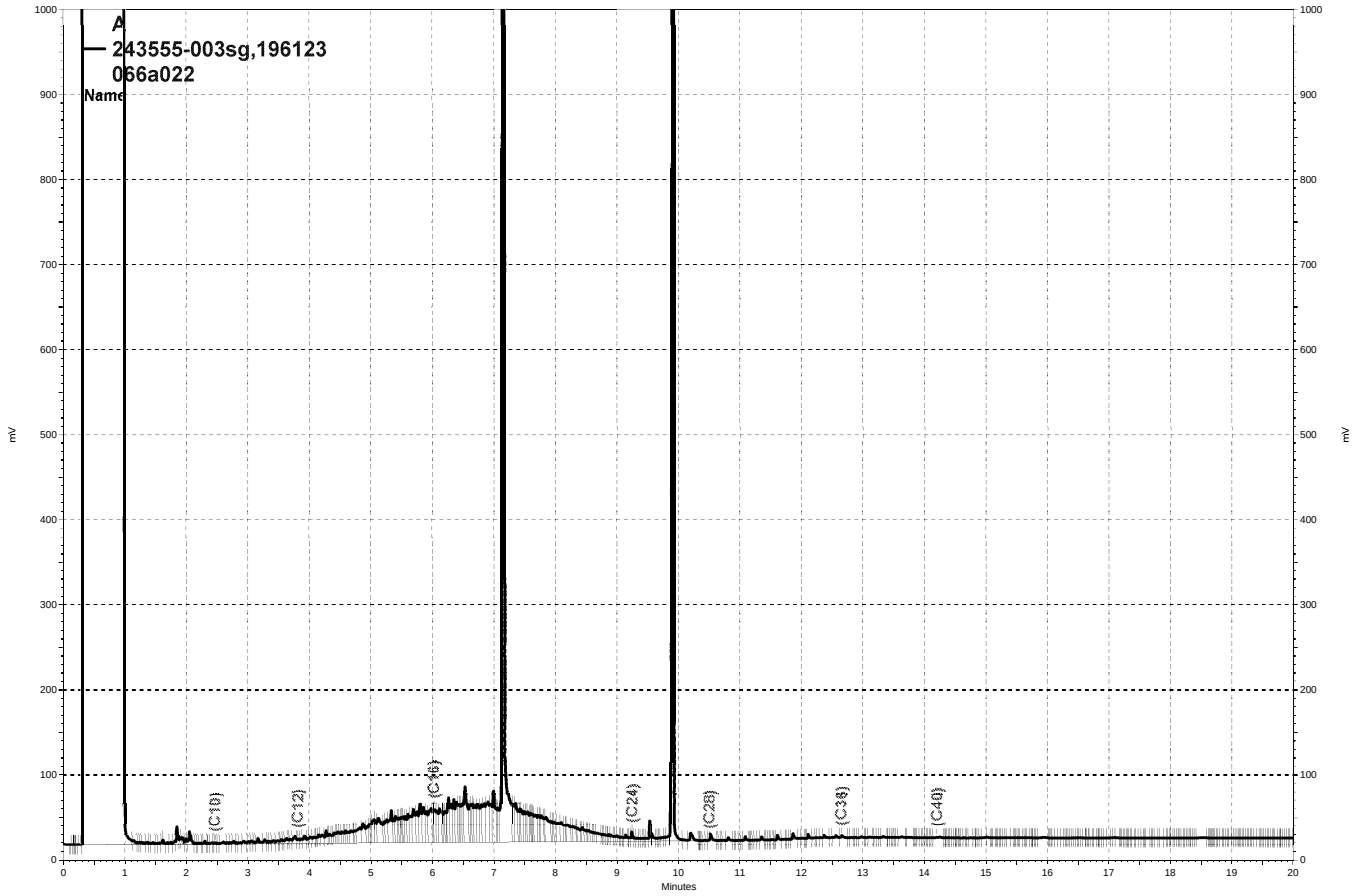
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,447	98	59-120	5	46

Surrogate	%REC	Limits
o-Terphenyl	106	62-133

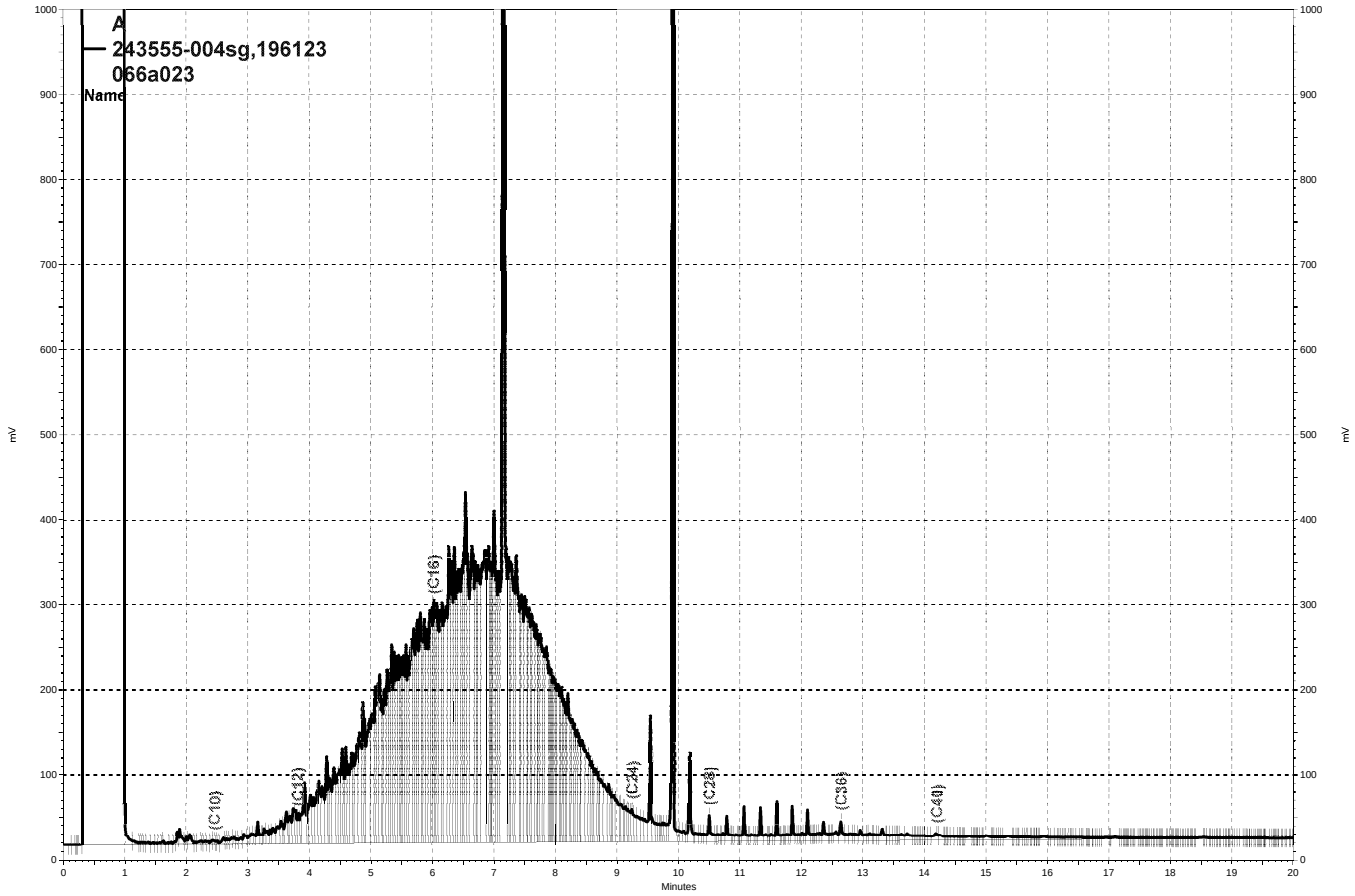
RPD= Relative Percent Difference



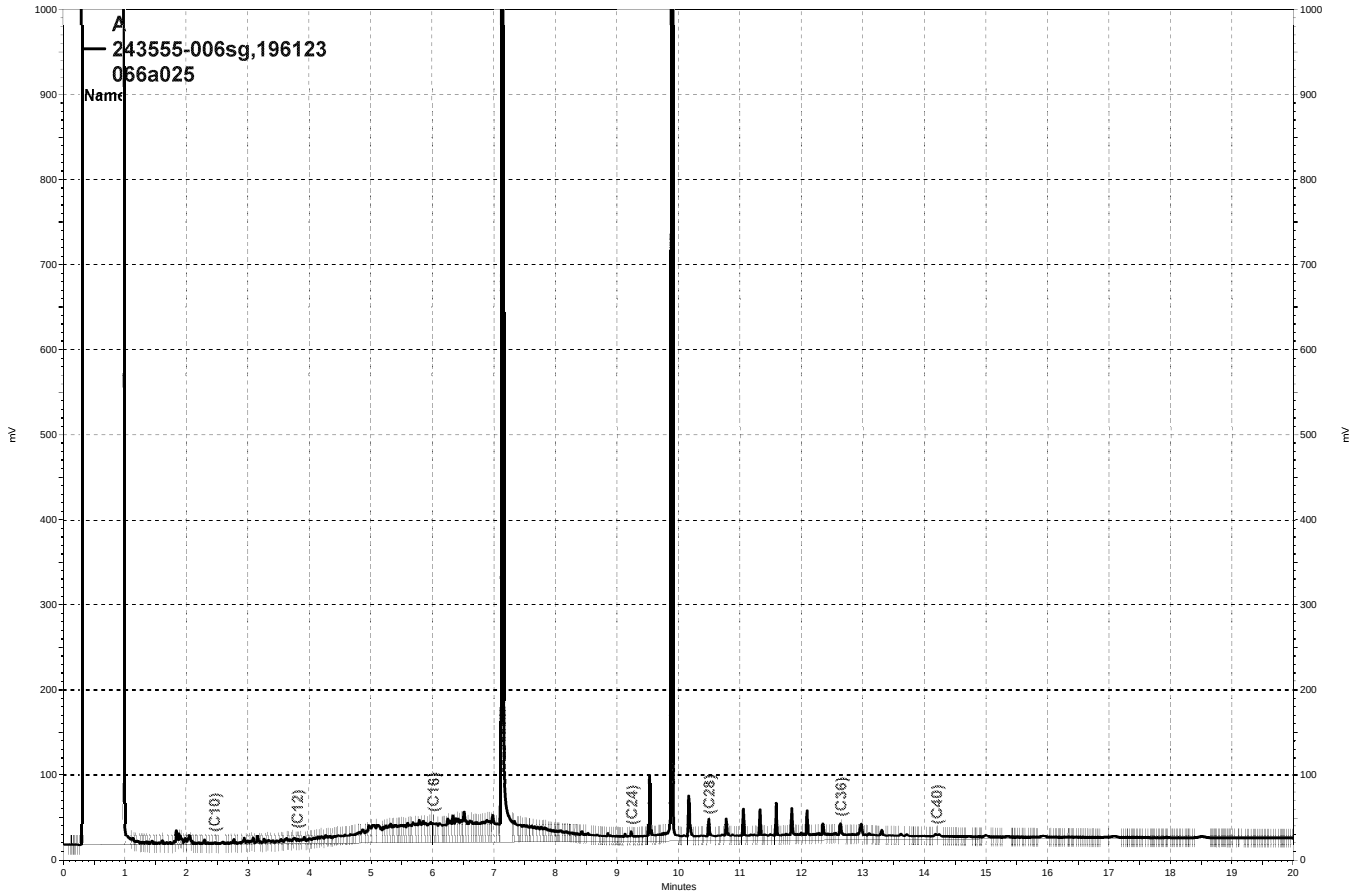
\\Lims\gdrive\ezchrom\Projects\GC17A\Data\066a020, A



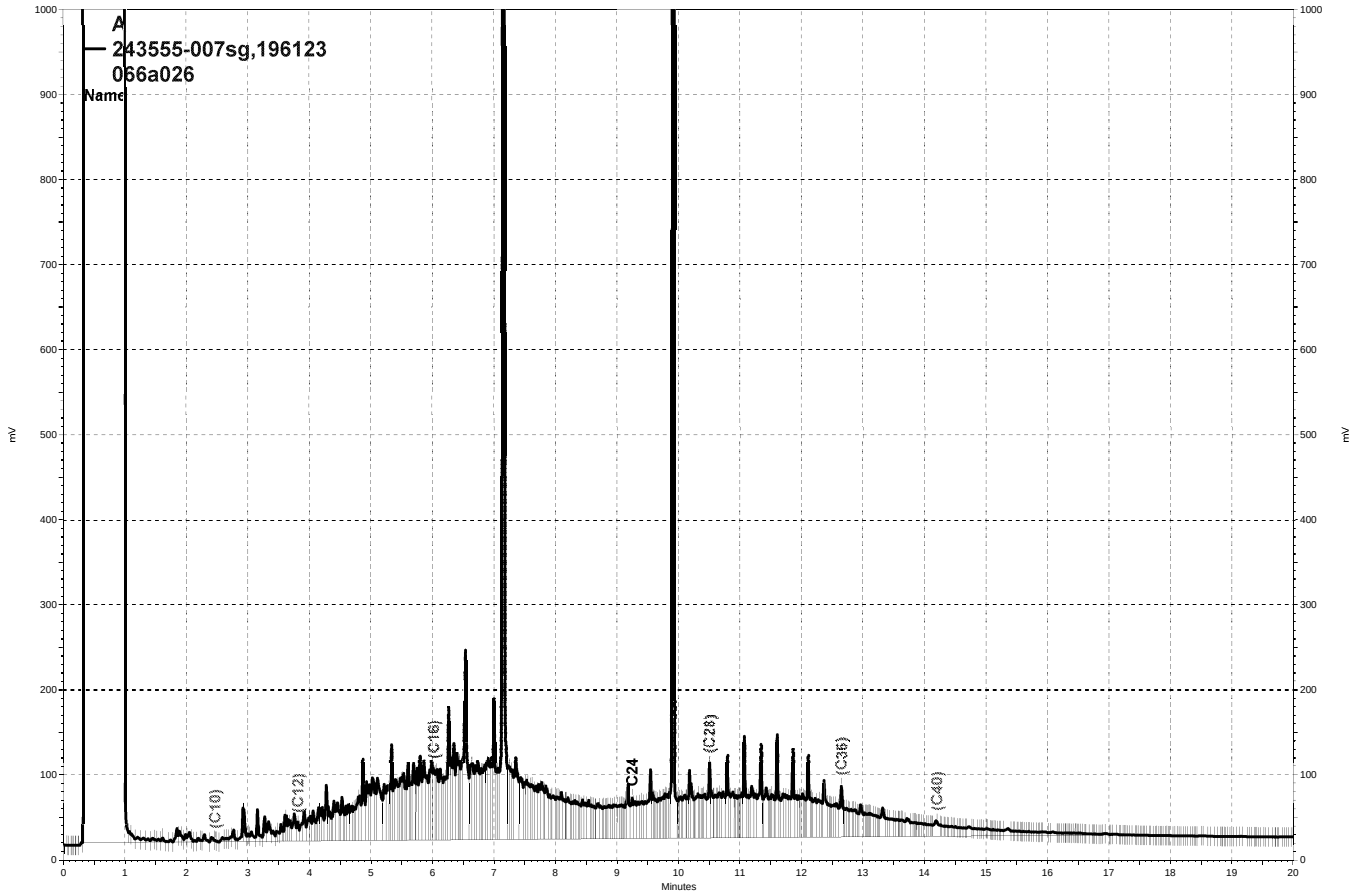
\\Lims\gdrive\ezchrom\Projects\GC17A\Data\066a022, A



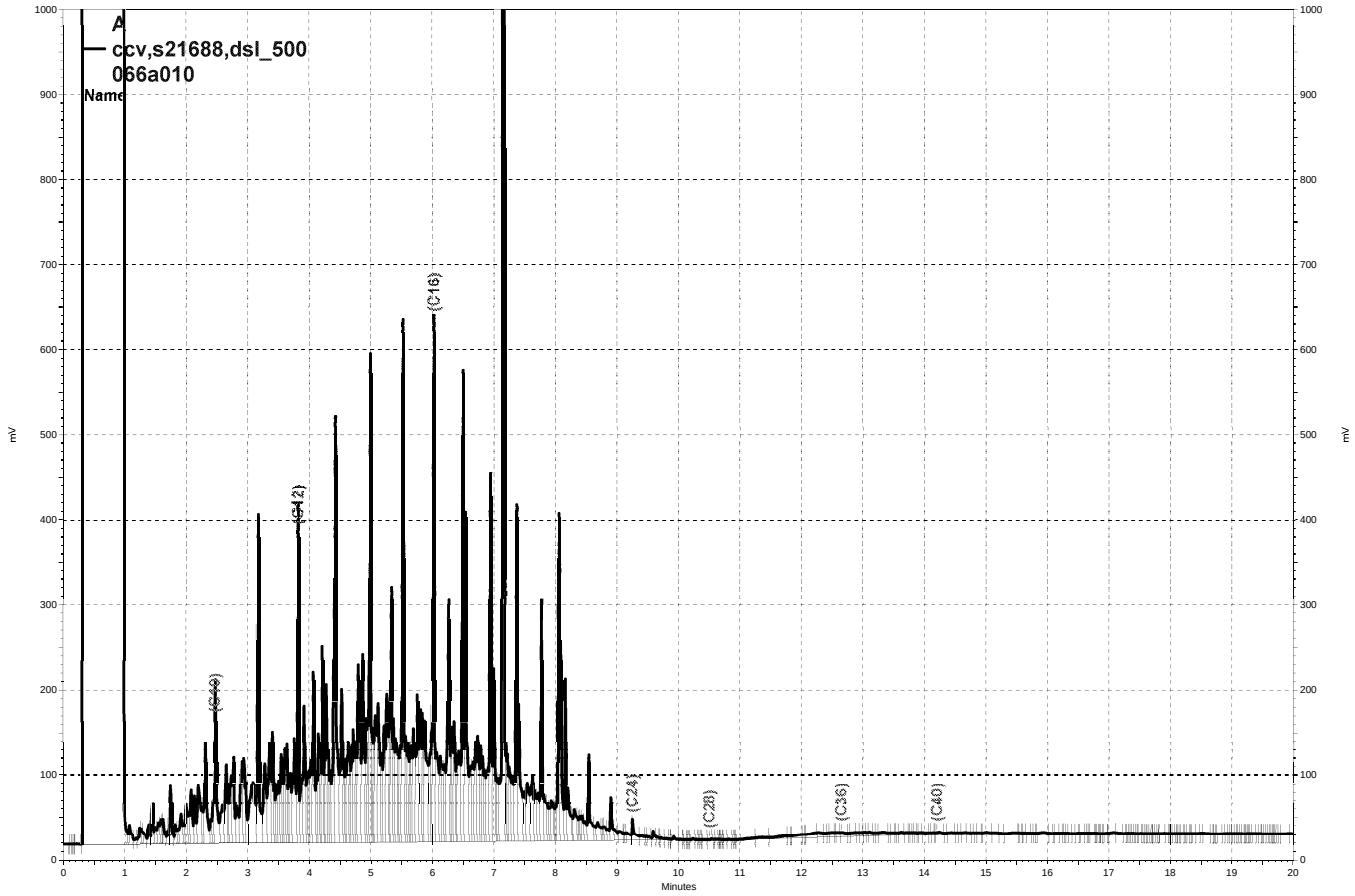
\\Lims\gdrive\ezchrom\Projects\GC17A\Data\066a023, A



\\Lims\gdrive\ezchrom\Projects\GC17A\Data\066a025, A



\\Lims\gdrive\ezchrom\Projects\GC17A\Data\066a026, A



\\Lims\gdrive\ezchrom\Projects\GC17A\Data\066a010, A

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-1R	Batch#:	196097
Lab ID:	243555-001	Sampled:	03/04/13
Matrix:	Water	Received:	03/05/13
Units:	ug/L	Analyzed:	03/06/13
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	104	77-134
1,2-Dichloroethane-d4	117	72-140
Toluene-d8	98	80-120
Bromofluorobenzene	104	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	196097
Lab ID:	243555-002	Sampled:	03/04/13
Matrix:	Water	Received:	03/05/13
Units:	ug/L	Analyzed:	03/06/13
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	1.3	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	102	77-134
1,2-Dichloroethane-d4	113	72-140
Toluene-d8	95	80-120
Bromofluorobenzene	102	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-4	Batch#:	196097
Lab ID:	243555-003	Sampled:	03/04/13
Matrix:	Water	Received:	03/05/13
Units:	ug/L	Analyzed:	03/06/13
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	1.4	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	100	77-134
1,2-Dichloroethane-d4	111	72-140
Toluene-d8	95	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-7R	Batch#:	196097
Lab ID:	243555-004	Sampled:	03/04/13
Matrix:	Water	Received:	03/05/13
Units:	ug/L	Analyzed:	03/06/13
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	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	103	77-134
1,2-Dichloroethane-d4	112	72-140
Toluene-d8	95	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-8	Batch#:	196097
Lab ID:	243555-005	Sampled:	03/04/13
Matrix:	Water	Received:	03/05/13
Units:	ug/L	Analyzed:	03/06/13
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	0.5	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	100	77-134
1,2-Dichloroethane-d4	108	72-140
Toluene-d8	96	80-120
Bromofluorobenzene	102	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	OW-1	Batch#:	196097
Lab ID:	243555-006	Sampled:	03/04/13
Matrix:	Water	Received:	03/05/13
Units:	ug/L	Analyzed:	03/06/13
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	4.7	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	100	77-134
1,2-Dichloroethane-d4	113	72-140
Toluene-d8	97	80-120
Bromofluorobenzene	105	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	OW-2	Batch#:	196097
Lab ID:	243555-007	Sampled:	03/04/13
Matrix:	Water	Received:	03/05/13
Units:	ug/L	Analyzed:	03/06/13
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	8.1	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	101	77-134
1,2-Dichloroethane-d4	116	72-140
Toluene-d8	95	80-120
Bromofluorobenzene	100	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	QCEB	Batch#:	196097
Lab ID:	243555-008	Sampled:	03/04/13
Matrix:	Water	Received:	03/05/13
Units:	ug/L	Analyzed:	03/06/13
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	103	77-134
1,2-Dichloroethane-d4	115	72-140
Toluene-d8	99	80-120
Bromofluorobenzene	105	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	196097
Units:	ug/L	Analyzed:	03/06/13
Diln Fac:	1.000		

Type: BS Lab ID: QC678964

Analyte	Spiked	Result	%REC	Limits
MTBE	25.00	27.42	110	58-120
Isopropyl Ether (DIPE)	25.00	24.24	97	52-123
Ethyl tert-Butyl Ether (ETBE)	25.00	25.87	103	57-120
1,2-Dichloroethane	25.00	28.10	112	73-136
Benzene	25.00	27.06	108	78-125
Methyl tert-Amyl Ether (TAME)	25.00	26.53	106	59-120
Toluene	25.00	25.88	104	79-123
1,2-Dibromoethane	25.00	25.02	100	78-120
Ethylbenzene	25.00	26.52	106	80-126
m,p-Xylenes	50.00	49.57	99	80-123
o-Xylene	25.00	22.85	91	75-120
Naphthalene	25.00	24.80	99	56-136

Surrogate	%REC	Limits
Dibromofluoromethane	100	77-134
1,2-Dichloroethane-d4	111	72-140
Toluene-d8	99	80-120
Bromofluorobenzene	104	80-120

Type: BSD Lab ID: QC678965

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	25.00	27.13	109	58-120	1	23
Isopropyl Ether (DIPE)	25.00	24.23	97	52-123	0	20
Ethyl tert-Butyl Ether (ETBE)	25.00	25.60	102	57-120	1	23
1,2-Dichloroethane	25.00	28.09	112	73-136	0	20
Benzene	25.00	26.17	105	78-125	3	20
Methyl tert-Amyl Ether (TAME)	25.00	26.19	105	59-120	1	22
Toluene	25.00	24.66	99	79-123	5	20
1,2-Dibromoethane	25.00	24.18	97	78-120	3	20
Ethylbenzene	25.00	25.20	101	80-126	5	20
m,p-Xylenes	50.00	46.55	93	80-123	6	20
o-Xylene	25.00	23.09	92	75-120	1	20
Naphthalene	25.00	23.85	95	56-136	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	102	77-134
1,2-Dichloroethane-d4	109	72-140
Toluene-d8	98	80-120
Bromofluorobenzene	103	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	243555	Location:	725 Julie Ann Way
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC678968	Batch#:	196097
Matrix:	Water	Analyzed:	03/06/13
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	102	77-134
1,2-Dichloroethane-d4	111	72-140
Toluene-d8	95	80-120
Bromofluorobenzene	102	80-120

ND= Not Detected
RL= Reporting Limit

APPENDIX C
Concentration Plots – 1997 - 2013

2013 First Semi-Annual Groundwater Monitoring Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702640.200.0001
June 13, 2013

FIGURE C-1
TPHd versus Time
725 Julie Ann Way, Oakland, CA

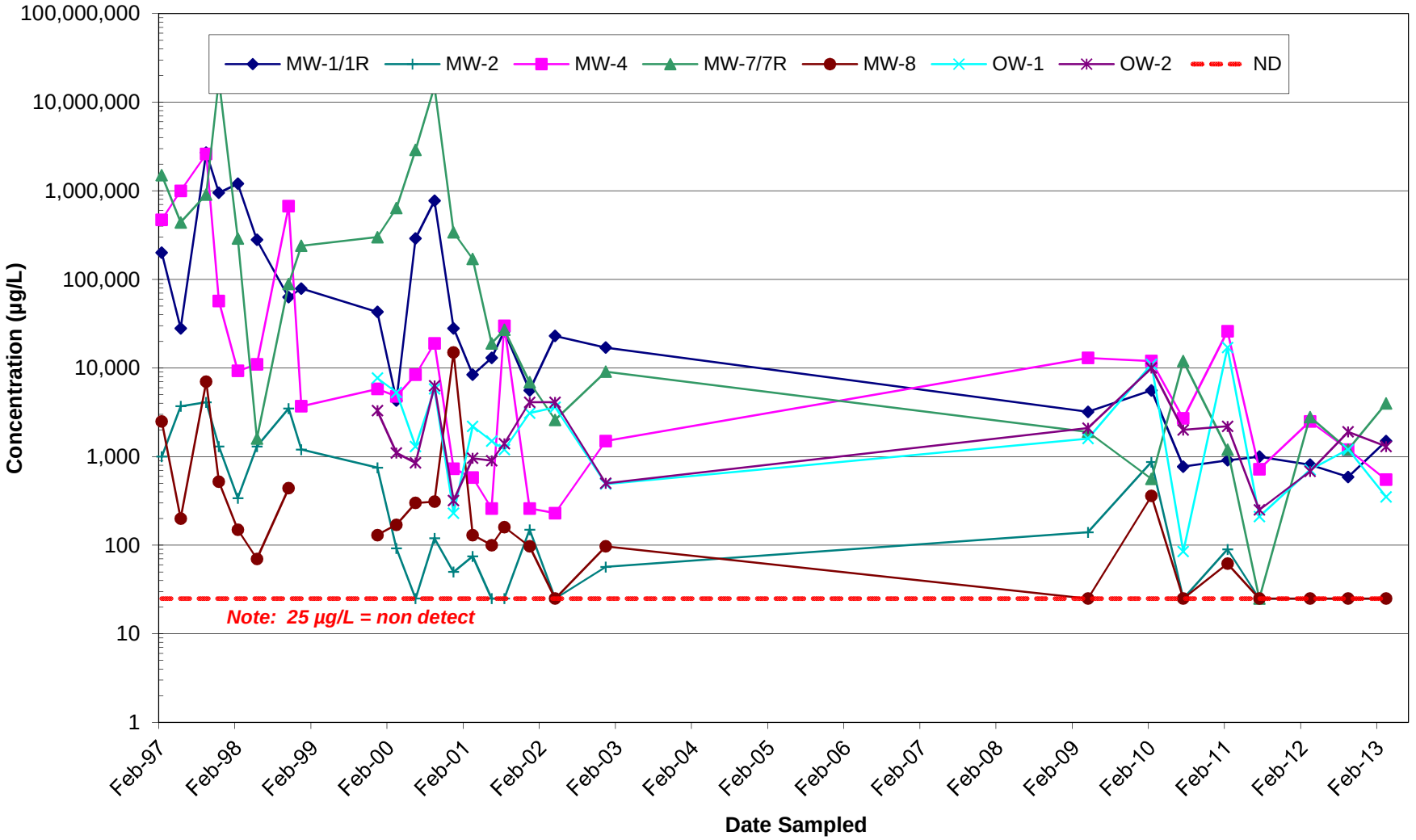


FIGURE C-2
TPHg versus Time
725 Julie Ann Way, Oakland, CA

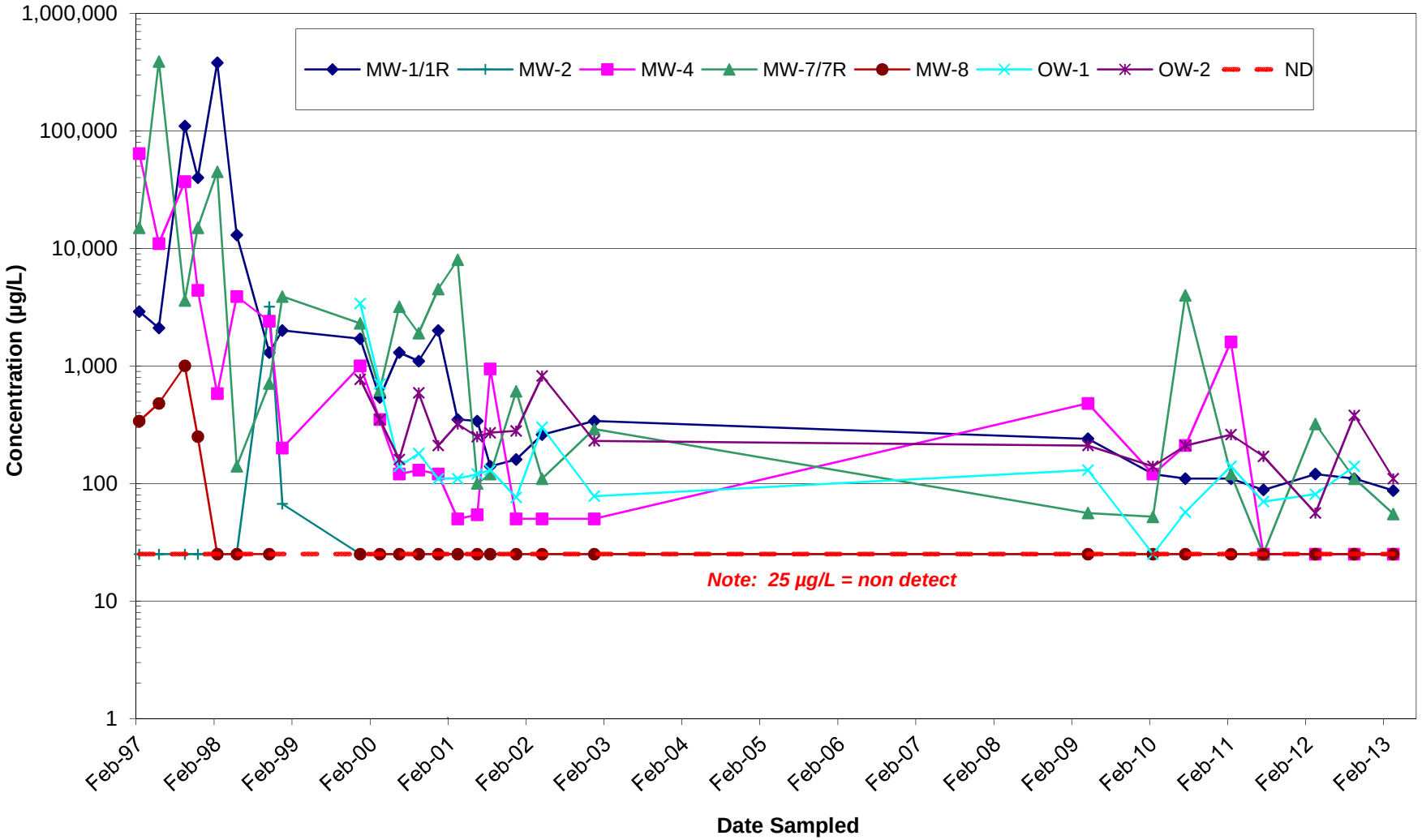


FIGURE C-3
Benzene versus Time
725 Julie Ann Way, Oakland, CA

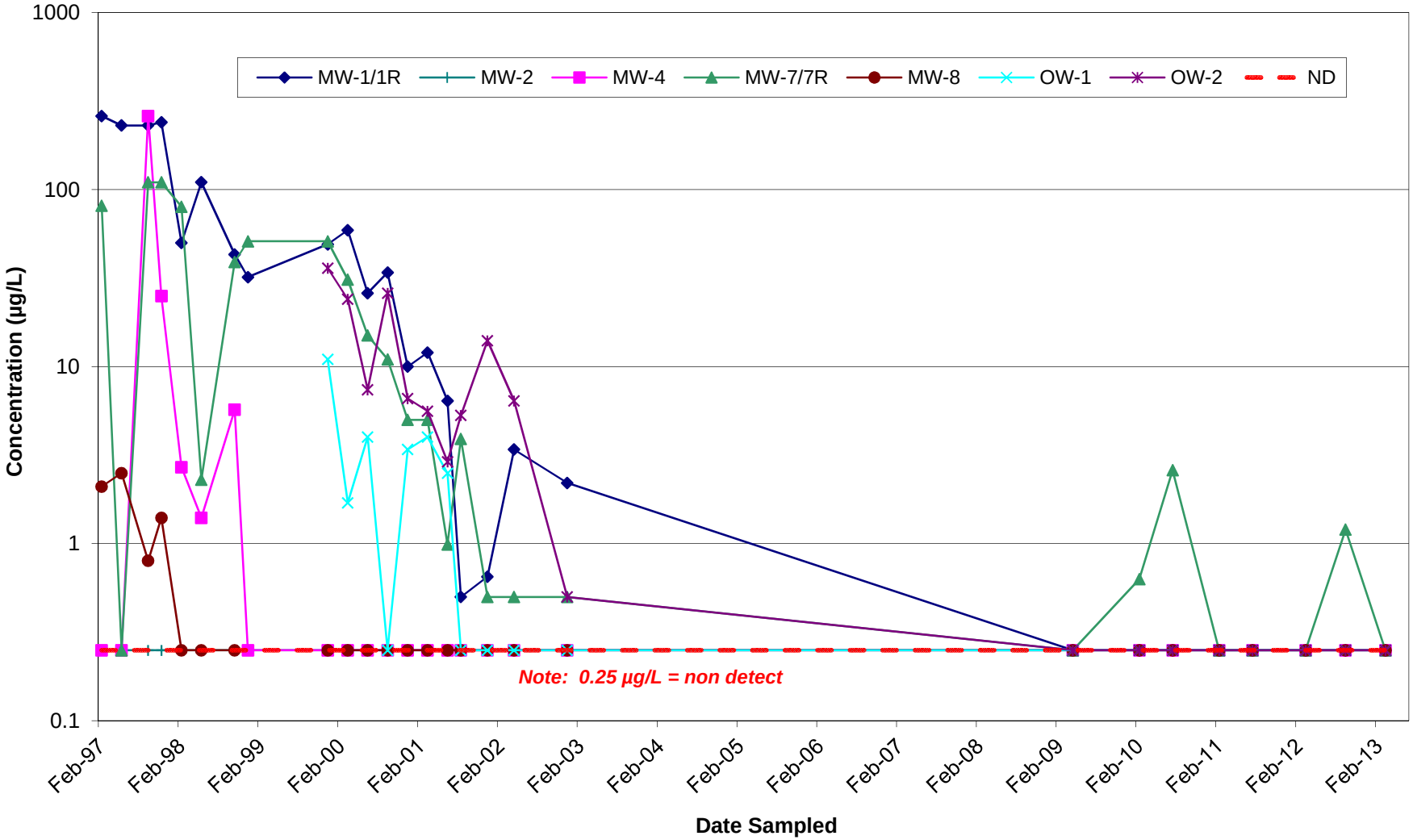


FIGURE C-4
MTBE versus Time
725 Julie Ann Way, Oakland, CA