



RECEIVED

By Alameda County Environmental Health at 3:15 pm, Feb 05, 2013

February 5, 2013

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

**Re: 2012 Semi-Annual Monitoring and Sampling Report
Former Penske Truck Leasing Facility
725 Julie Ann Way, Oakland, California
Alameda County Site 10 R00000354
Stantec PN: 185702330.200.0001**

Dear Ms. Detterman:

Subsequent to this cover letter is the 2nd semi-annual quarter well monitoring report for the former Penske Truck Leasing site location at 725 Julie Ann Way, Oakland, CA.

As an authorized representative of our company, the following statement is listed below: I,

Michael Costanza, declare under penalty of perjury that the information and/or recommendations contained in the attached document or report are true and correct to the best of my knowledge

Please let me know if you have any questions or concerns.

Sincerely,

Michael Costanza
Director, Environmental Services
Tel: 610-775-6471
Fax: 610-775-6442
Cell: 610-223-2085
michael.costanza@penske.com



Stantec

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

January 31, 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: 2012 Second 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 *2012 Second 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 monitoring and sampling events conducted in the Third Quarter 2012.

QUARTERLY GROUNDWATER MONITORING

Groundwater levels were measured by Blaine Tech Services, Inc. (Blaine Tech) in all ten wells in the third quarter 2012 (September 24, 2012). 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 any of the wells in September 2012. 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.

SEMI-ANNUAL GROUNDWATER MONITORING AND SAMPLING PROCEDURES

On September 24, 2012, 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. Well MW-4 dewatered following removal of approximately two well 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 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.

One Team. Infinite Solutions.

i:\penske\2012 gwm\draft 3q12 report\3rd qtr 2012 rpt_013113.docx

2012 Second Semi-Annual Monitoring and Sampling Report

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 during delivery to Curtis and Tompkins Ltd, a state-certified analytical laboratory in Berkeley, California.

ANALYTICAL PROGRAM

All of 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 September 24, 2012, is presented in Table 2. The potentiometric surface map generated from the data is included as Figure 3.

September 2012 depth-to-groundwater measurements ranged from 4.70 to 6.38 feet below the top of casing, corresponding to a range of groundwater elevations of 5.20 to 6.05 feet relative to the NAVD 88 datum. No sheen or measurable free-phase product was observed during the September 2012 monitoring event. Groundwater flow direction was toward the west-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. September 2012 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.

TPHd

TPHd was reported in five of the seven wells at concentrations ranging from 510 micrograms per liter ($\mu\text{g/L}$; well MW-1R) to 1,900 $\mu\text{g/L}$ (well OW-2). All TPHd detections were noted as having a chromatographic pattern which does not resemble the laboratory standard.

2012 Second Semi-Annual Monitoring and Sampling ReportTPHg

TPHg was reported in four of seven groundwater samples at concentrations ranging from 110 µg/L (wells MW-1R and MW-7R) to 380 µg/L (well OW-2). All TPHg detections were noted as having a chromatographic pattern which does not resemble the laboratory standard.

MTBE

MTBE was reported in five of the seven groundwater samples at concentrations ranging from 1.3 µg/L (well MW-4) to 10 µg/L (well OW-2).

BTEX, EDC, EDB, and Naphthalene

Benzene was the only BTEX compound detected (1.2 µg/L in MW-7R). EDC, EDB, and naphthalene were not detected at or above laboratory reporting limits (LRLs) in any of the groundwater samples analyzed.

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 September 2012 are included in Appendix C.

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

- ❑ Concentrations of TPHd in well MW-1R continue a generally decreasing trend. The reported concentrations of 590/510 µg/L in the original and duplicate samples collected in September 2012 is consistent with the concentration of 810/1,300 µg/L reported in March 2012, 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 third 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 1,200 µg/L reported in well MW-4 represents a decrease from the concentration of 2,500 µg/L reported during the March 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 1,200 µg/L TPHd reported in well MW-7R has decreased from the March 2012 concentration of 2,500 µg/L. Overall, TPHd concentrations in this well have decreased since post-treatment monitoring resumed in April 2009, except for an anomalously high concentration of TPHd (12,000 µg/L) reported in July 2010.

2012 Second Semi-Annual Monitoring and Sampling Report

- ❑ Concentrations of TPHd in wells OW-1 and OW-2 continue to fluctuate. Concentrations reported in September 2012 are higher than those reported during the last sampling event in March 2012, but 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 three consecutive sampling events.
- ❑ The concentration of TPHg reported in well MW-7R (110 µg/L) represents an increase from the March 2012 sampling event, but is lower than the historical high concentration of 4,000 µg/L reported in July 2010.

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

- ❑ Benzene continues to be below LRLs in all wells, with the exception of well MW-7R, which reported a benzene concentration of 1.2 µg/L. 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 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 September 2012 analytical results are consistent with historical data.

EDC/EDB and Naphthalene

- ❑ EDC and EDB have not been detected in groundwater since first analyzed in April 2009.

DISCUSSION AND CONCLUSIONS

Project Status

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

- ❑ Groundwater chemical data from Site 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;

Ms. Karel Detterman
January 31, 2013
Page 5 of 5

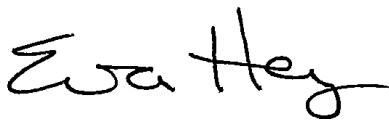
2012 Second Semi-Annual Monitoring and Sampling Report

- 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 since February 2010.

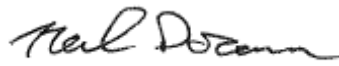
Penske has completed site characterization activities from 2008 until present as requested by Health Department staff, and Stantec considers chemical impacts at the Site to be well-defined. Penske and Stantec respectfully request a meeting to discuss the regulatory status of the Site and identify the 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. Mike Costanza, 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 |
| Figure 1 | Site Location Map |
| Figure 2 | Site Plan |
| Figure 3 | Groundwater Elevation Surface Contour Map – September 2012 |
| Figure 4 | Fuel Hydrocarbon Constituents in Groundwater – September 2012 |
| Figure 5 | TPHd versus Time – April 2009 to September 2012 |
| Figure 6 | TPHg versus Time – April 2009 to September 2012 |
| Figure 7 | Benzene versus Time – April 2009 to September 2012 |
| Figure 8 | MTBE versus Time – April 2009 to September 2012 |
| Appendix A | Groundwater Sample Collection Logs |
| Appendix B | Water Sample Laboratory Reports and Chain-of-Custody Forms |

One Team. Infinite Solutions.

Ms. Karel Detterman
January 31, 2013
Page 6 of 5

2012 Second Semi-Annual Monitoring and Sampling Report

Appendix C Concentration Plots – 1997 to 2012

TABLES

2012 Second 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
January 31, 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 unk	10.75
OW-2	37.7598650	-122.20911	14.0	2	0.02	unk	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
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

**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		
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		

**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		
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		

**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
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

**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		
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		

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
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

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	
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

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	
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	

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	

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
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
		07/16/10	770	110 ^(k)	<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
	9 feet	02/03/11	420	97 ^(k)	<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
			02/03/11	910	110 ^(k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	std	07/25/11	500	83 ^(k)	<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
	Dup	03/22/12	810	120 ^(k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
		03/22/12	1,300	94 ^(k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	Dup	09/24/12	590 ^(k)	110 ^(k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
		09/24/12	510 ^(k)	120 ^(k)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
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	NA	NA	NA	NA
	11/17/97	1300	ND	ND	ND	ND	ND	NA	NA	NA	NA
	02/27/98	340	ND	ND	0.9	ND	ND	NA	NA	NA	NA
	05/27/98	1300	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/01/98	3,500 ⁽ⁱ⁾	3,200	ND	ND	ND	ND	NA	NA	NA	NA
	12/22/98	1,200 ^(k)	67 ^(d)	ND	ND	ND	ND	NA	NA	NA	NA
	12/28/99	750	ND	ND	ND	ND	ND	NA	NA	NA	NA
	03/15/00	92	ND	ND	ND	ND	ND	NA	NA	NA	NA
	06/28/00	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	09/14/00	120	ND	ND	ND	ND	ND	NA	NA	NA	NA
	12/11/00	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	03/14/01	75	ND	ND	ND	ND	ND	NA	NA	NA	NA
	06/13/01	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	08/29/01	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	12/12/01	150 ^(j)	ND	ND	ND	ND	ND	NA	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	NA	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	
ESLs		100	100	1.0	40	30	20	5.0	5.0	0.05	17

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

Well No.	Date	TPHd	TPHg	Benzene	Toluene	Ethyl		MTBE	Ethylene Dichloride	Ethylene Dibromide	Naphthalene
						Benzene	Xylenes				
(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
	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	NA	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	
MW-5	02/20/97	1,100 ^(h)	ND	ND	ND	ND	ND	NA	NA	NA	NA
	05/28/97	560 ^(b,a)	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	ND	NA	NA	NA
	Well MW-5 no longer included in sampling program										
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 ^(e)	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	<0.50
Well MW-7 abandoned on January 11, 2010 and replaced with well MW-7R on January 12, 2010.											
ESLs		100	100	1.0	40	30	20	5.0	5.0	0.05	17

**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
MW-7R 9 feet 18 feet std	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
	02/03/11	690	60 ^(k)	<0.50	<0.50	<0.50	<0.50	1.9	<0.50	<0.50	<0.50
	02/03/11	430	59 ^(k)	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<0.50	<0.50
	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	
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 ^(f)	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 ^(f)	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 ^(f)	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/13/01	97 ^(f)	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	
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	
ESLs		100	100	1.0	40	30	20	5.0	5.0	0.05	17

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

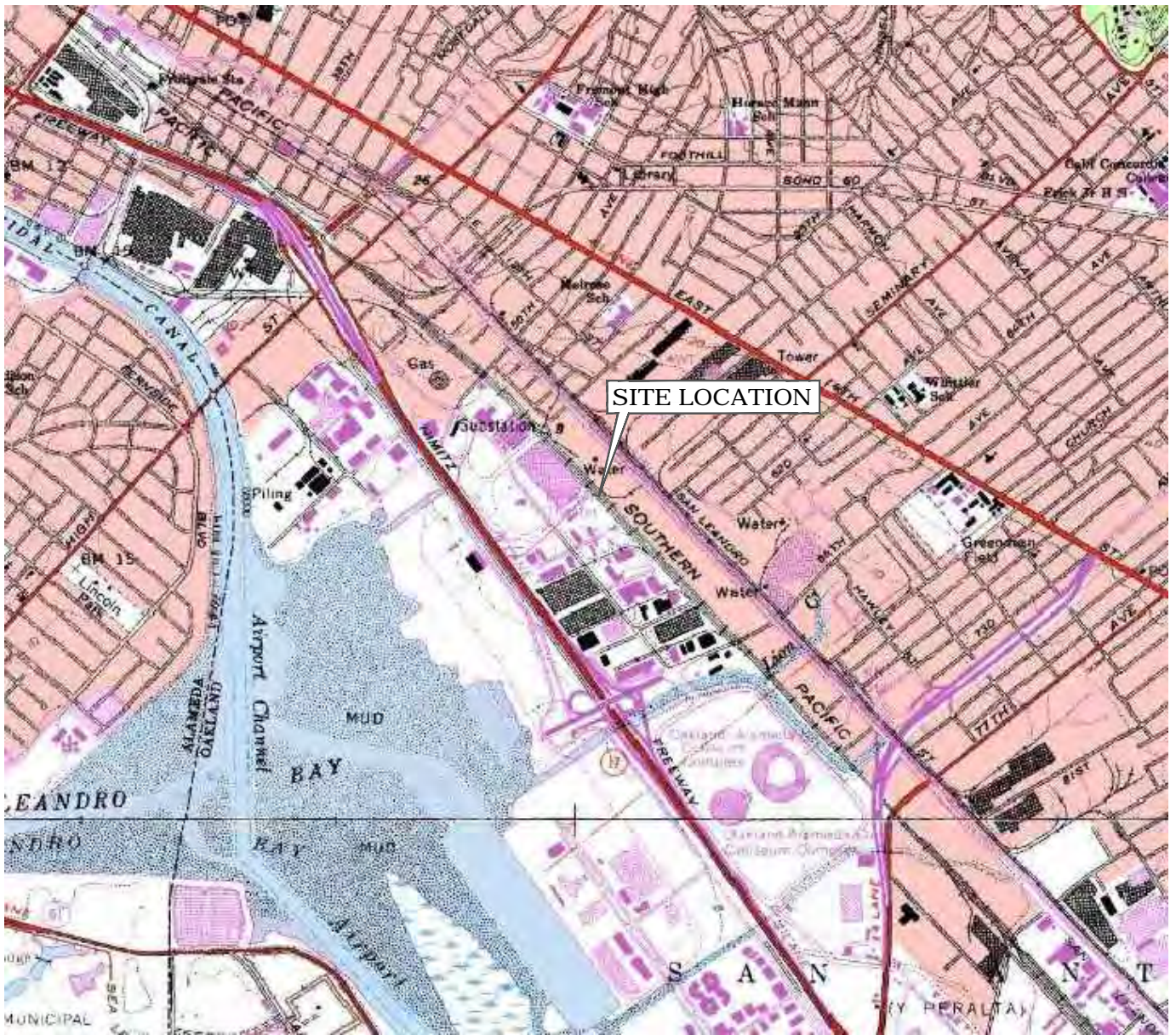
Well No.	Date	TPHd	TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	Ethylene Dichloride	Ethylene Dibromide	Naphthalene
OW-2	12/28/99	3,300	770	36	ND	ND	1.7	16	NA	NA	NA
	03/15/00	1,100	350	24	ND	ND	ND	9.3	NA	NA	NA
	06/29/00	850	160	7.4	ND	ND	ND	13	NA	NA	NA
	09/14/00	6,300	590	26	0.79	ND	1.7	17	NA	NA	NA
	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	
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	
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
ESLs	100	100	1.0	40	30	20	5.0	5.0	0.05	17	

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* (Interim Final - May 2008), for Commercial/Industrial Sites, Shallow Soil, and Drinking Water Resource
 - 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

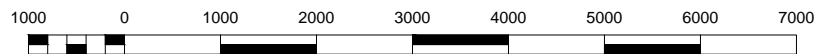
2012 Semi-Annual Groundwater Monitoring Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702473.200.0001
January 31, 2013



CALIFORNIA



SCALE IN MILE



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:

PENSKE
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE:

1

JOB NUMBER:

185702474.200.0001

DRAWN BY:

RRR

CHECKED BY:

EH

APPROVED BY:

EH/GH/AM

DATE:


01/18/13

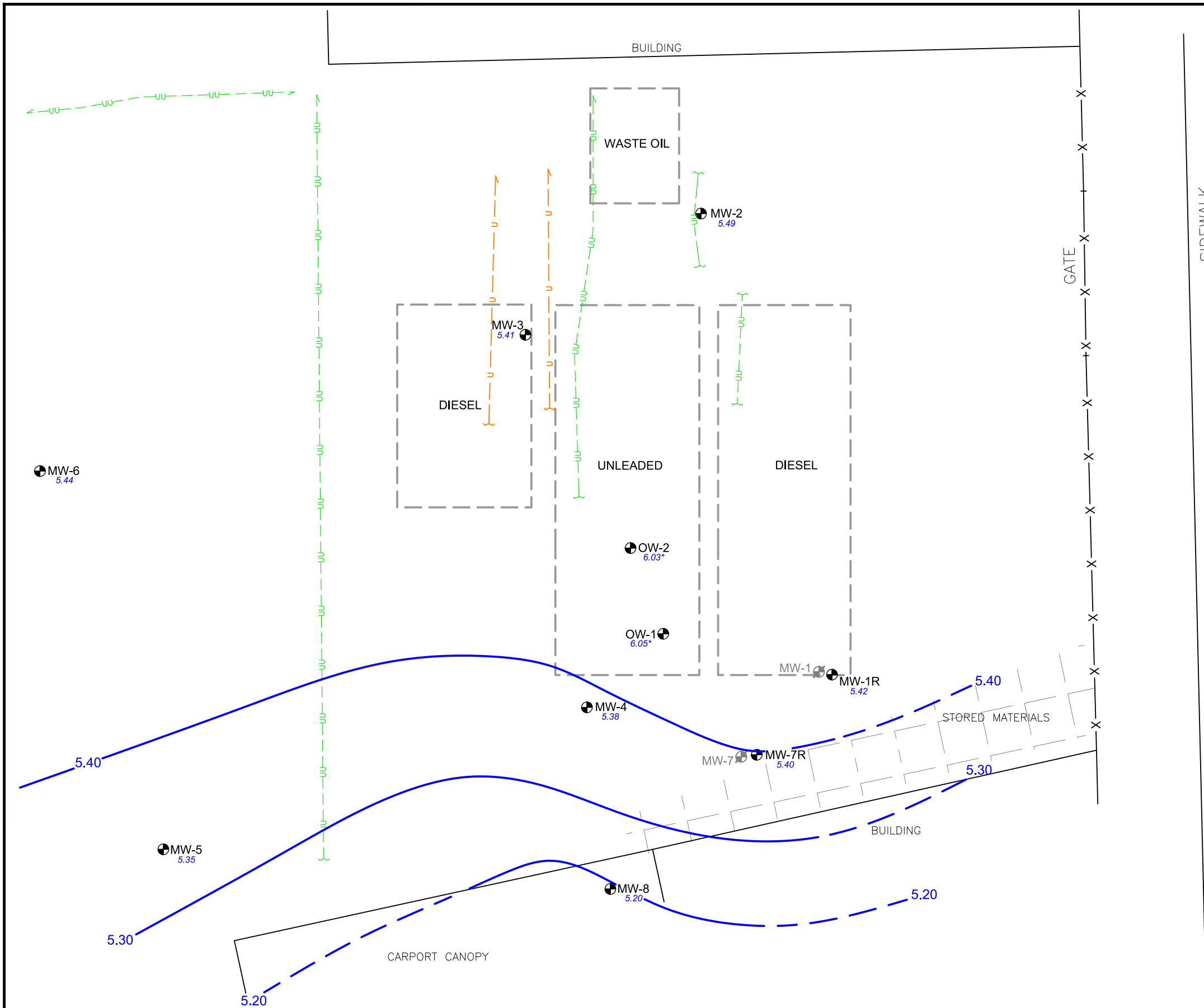


REFERENCE:

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

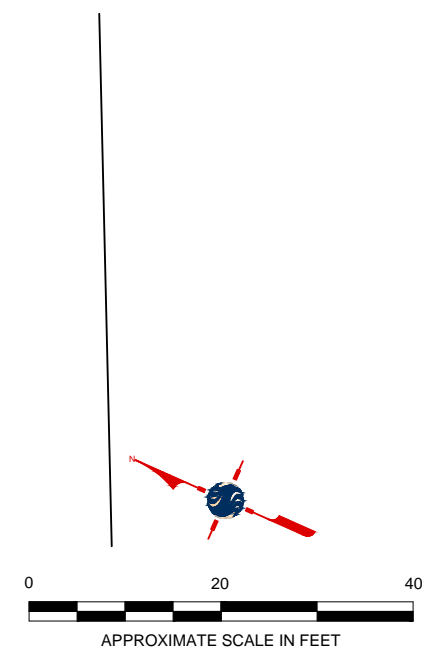
 57 Lafayette Circle, 2nd Floor Lafayette, California, 94549 PHONE: (925) 299-9300 FAX: (925) 299-9302	PREPARED FOR: PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA		SITE PLAN		FIGURE: 2
	JOB NUMBER: 185702474.200.0001	DRAWN BY: RRR	CHECKED BY: EH	APPROVED BY: EH	DATE: 01/18/13



LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- EXISTING MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- GROUNDWATER ELEVATION (RELATIVE TO NAVD 88 DATUM)
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) WELLS SOUNDED ON SEPTEMBER 24, 2012
- DATA NOT USED IN CONTOURING

JULIE ANN WAY

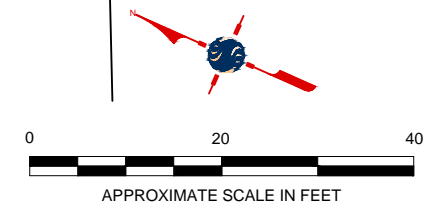
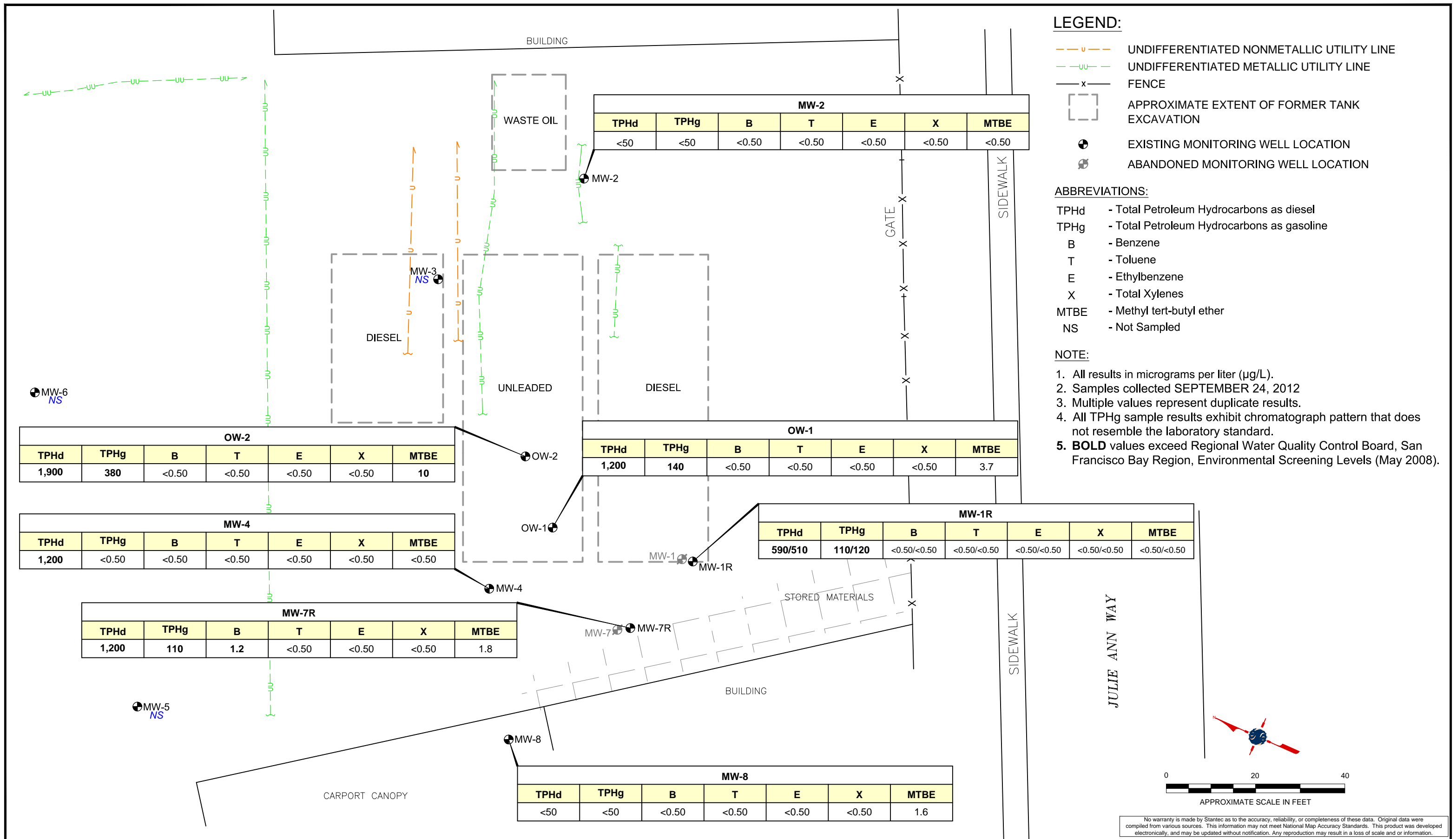


No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction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

 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 SEPTEMBER 2012		FIGURE: 3
	JOB NUMBER: 185702474.200.0001	DRAWN BY: RRR	CHECKED BY: EH	APPROVED BY: EH



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

 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 SEPTEMBER 2012	FIGURE: 4
	JOB NUMBER: 185702474.200.0001	DRAWN BY: RRR	CHECKED BY: EH
			DATE: 01/18/13

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

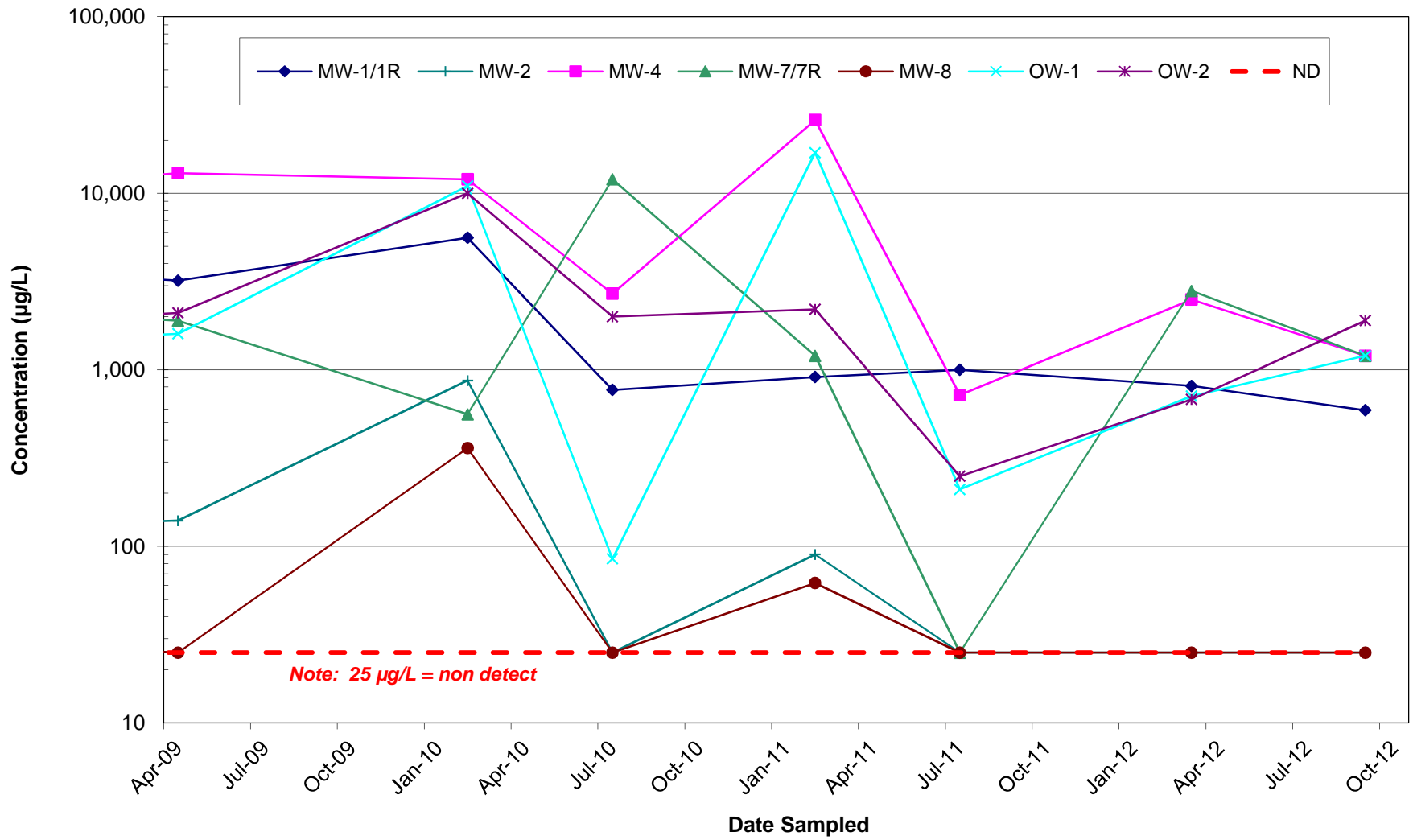


FIGURE 6
TPHg versus Time
725 Julie Ann Way, Oakland, CA

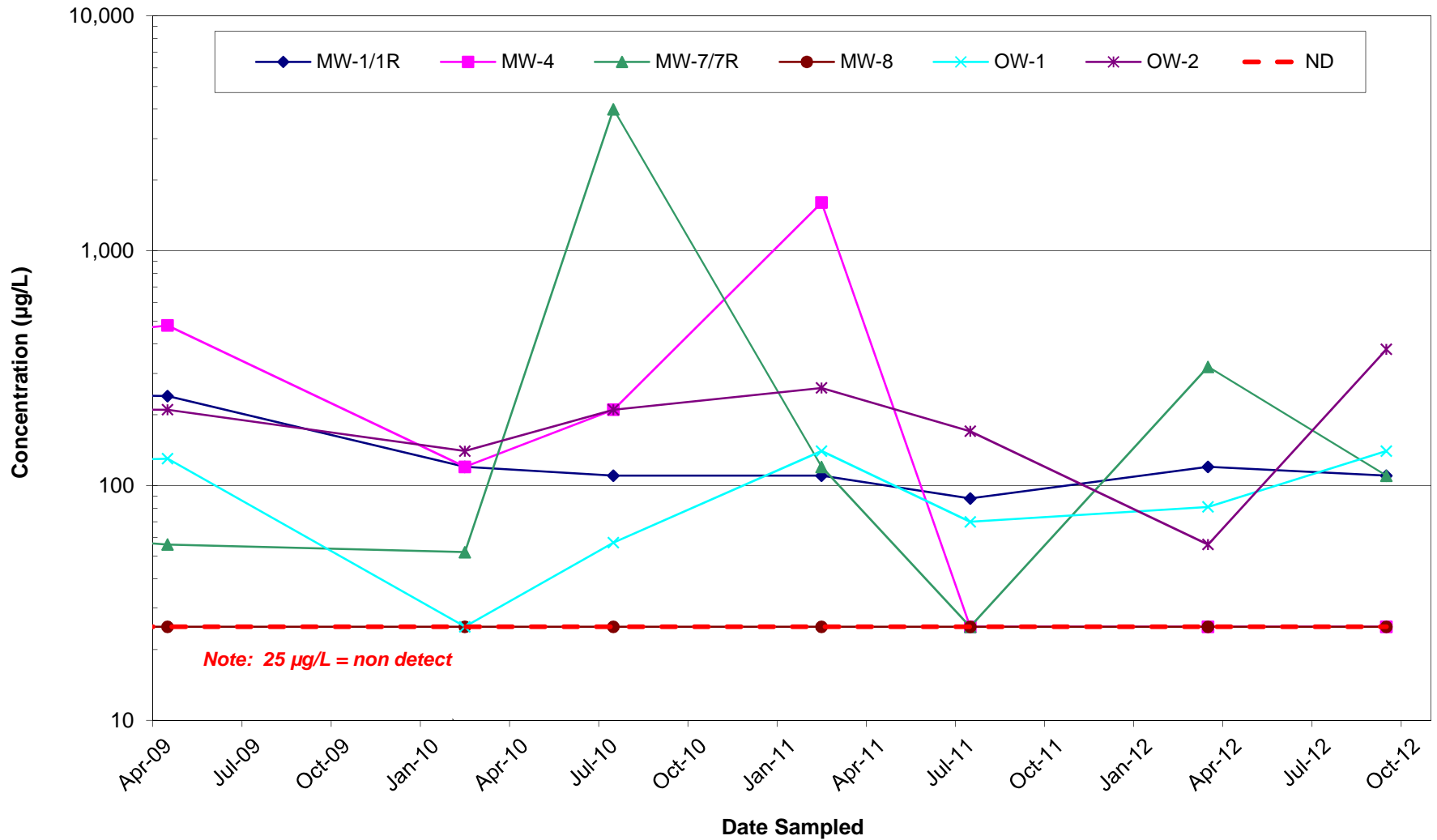


FIGURE 7
Benzene versus Time
725 Julie Ann Way, Oakland, CA

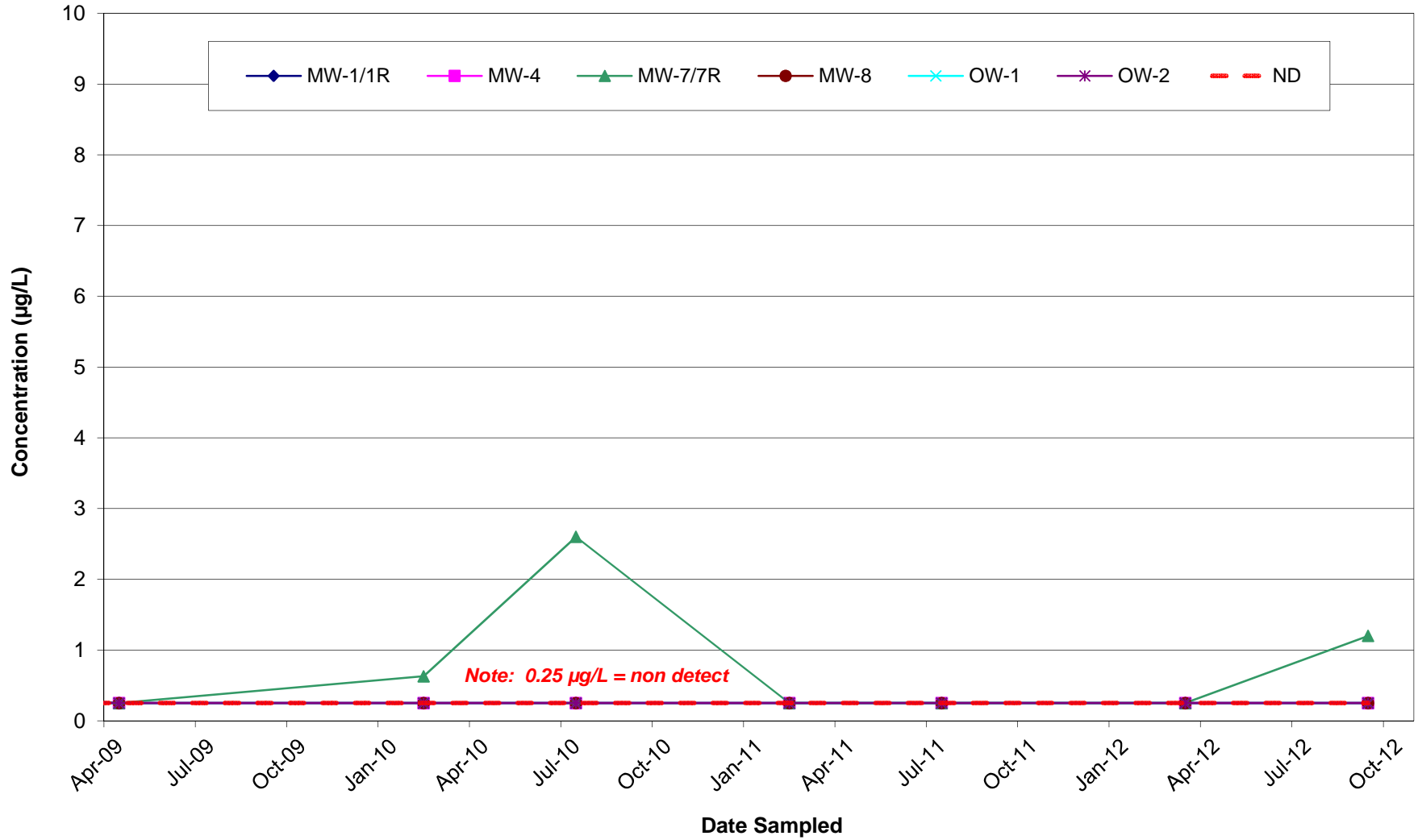
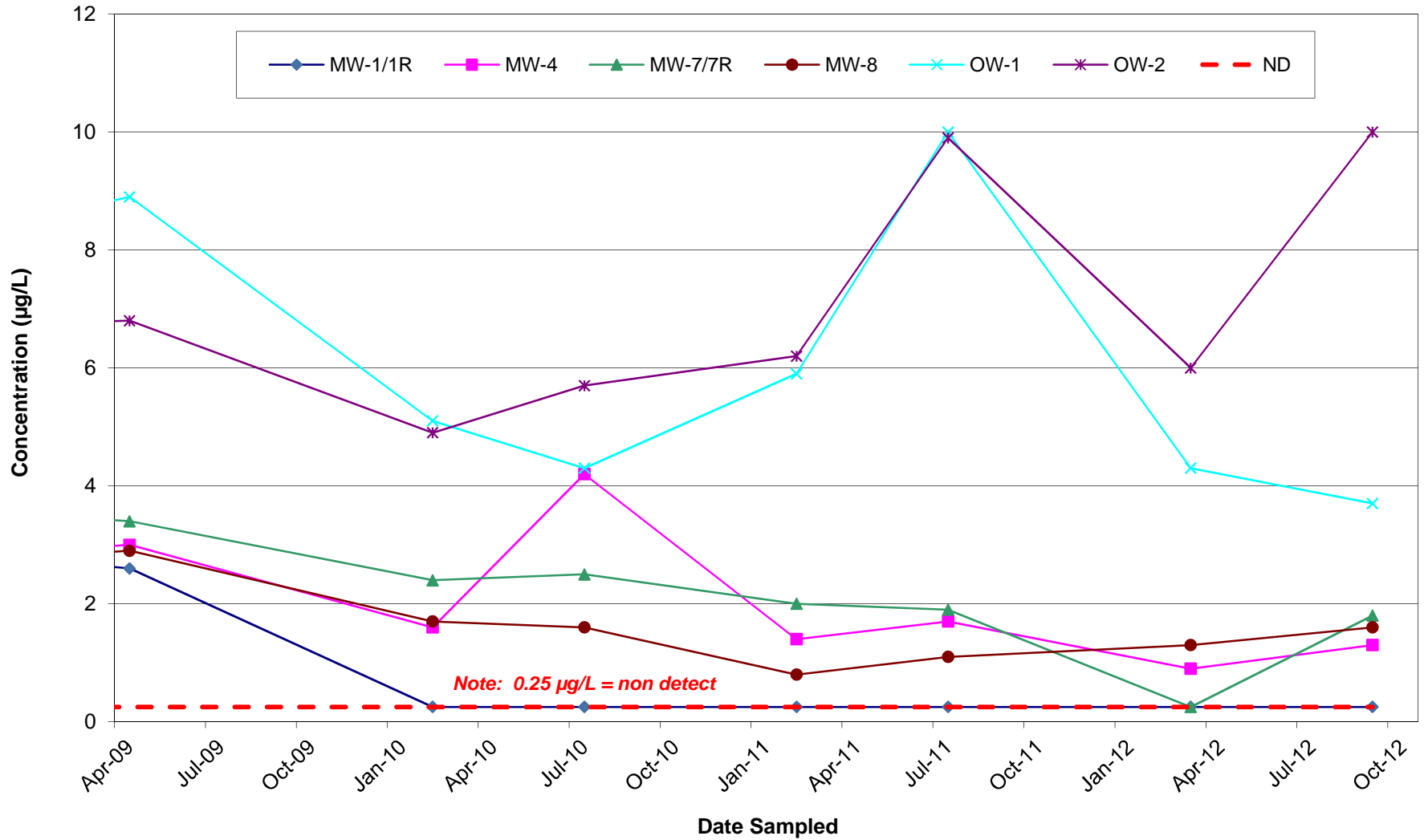


FIGURE 8
MTBE versus Time
725 Julie Ann Way, Oakland, CA



APPENDIX A
Groundwater Sample Collection Logs
2012 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
January 31, 2013

WELL GAUGING DATA

Project # 120924-CM1 Date 2/24/12 Client STANTEC

Site 725 JULIE ANN WAY, 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 <u>POC</u>	Notes	
MW-1R	0840	2		-	-	-	5.60	19.55		k	
MW-2	0846	4		-	-	-	6.38	29.42		k	
MW-3	0852	4		-	-	-	6.38	33.45		k	
MW-4	0859	4		-	-	-	5.50	33.20		k	
MW-5	0906	4		-	-	-	5.06	31.31		k	
MW-6	0915	4		-	-	-	5.61	24.62		k	
MW-7R	0922	2		-	-	-	5.44	19.41		k	
MW-8	1200	4		-	-	-	5.55	26.32		k	
OW-1	0930	4		-	-	-	4.70	14.31		k	
OW-2	0934	4		-	-	-	5.00	14.56		k	

MW-9 GAUGED LATER DUE TO ACCESS ISSUES CAR PARKED OVER TOP
 * GROSS DECON *

WELL MONITORING DATA SHEET

Project #: 120924-CK1	Client: STANTEC
Sampler: C. KILPATRICK	Date: 9/24/12
Well I.D.: MW-1R	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 19.55	Depth to Water (DTW): 5.60
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]: 8.39	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ 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	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1001	21.0	6.52	3392	0.1	2.2	G-PAT
1003	21.1	6.54	3960	>1000	4.4	"
1005	20.6	6.55	3945	>1000	6.6	"

Did well dewater? Yes No Gallons actually evacuated: 6.6

Sampling Date: 9/24/12 Sampling Time: 1010 Depth to Water: 7.83

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

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): MW-1R-DUP @ 1015

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

D.O. (if req'd):	Pre-purge: 0.81 mg/L	Post-purge: 0.62 mg/L	
O.R.P. (if req'd):	Pre-purge: -114 mV	Post-purge: -129 mV	

WELL MONITORING DATA SHEET

Project #: 120924-CK1	Client: STANTEC
Sampler: C. KILPATRICK	Date: 9/24/12
Well I.D.: MW-4	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 37.20	Depth to Water (DTW): 5.50
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]: 11.08	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
Electric Submersible Other _____ Dedicated Tubing

Other: _____

18.0 (Gals.) X 3 = 54.0 Gals.
 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
1110	20.7	6.76	8339	12	18.0	cool CLEAR YELLOW
	DEWATERING		@ 33 gals. min	—	33.0	
1340	21.0	6.60	8402	15	—	

Did well dewater? Yes No Gallons actually evacuated: 33.0

Sampling Date: 9/24/12 Sampling Time: 1340 Depth to Water: 6.03

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

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):	<u>Pre-purge:</u> 0.93 mg/L	<u>Post-purge:</u> 0.32 mg/L
O.R.P. (if req'd):	<u>Pre-purge:</u> 79 mV	<u>Post-purge:</u> 37 mV

WELL MONITORING DATA SHEET

Project #: 120924-CK1	Client: STANTEC
Sampler: C. KILPATRICK	Date: 9/24/12
Well I.D.: MW-7R	Well Diameter: ② 3 4 6 8
Total Well Depth (TD): 19.41	Depth to Water (DTW): 5.44
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]: 8.23	

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	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1131	20.3	7.37	4050	246	2.2	CLOUDY YELLOW
1133	19.8	7.31	3651	106	4.4	CLEAR
1135	19.6	7.29	3623	71	6.6	CLEAR

Did well dewater? Yes No Gallons actually evacuated: 6.6

Sampling Date: 9/24/12 Sampling Time: 1140 Depth to Water: 6.23

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

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: 0.52 mg/L
O.R.P. (if req'd):	Pre-purge: -94 mV	Post-purge: -81 mV

WELL MONITORING DATA SHEET

Project #: 120924-CK1	Client: STANTEC
Sampler: C. KILPATRICK	Date: 9/24/12
Well I.D.: mw-8	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth (TD): 26.32	Depth to Water (DTW): 5.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer Waterra Sampling Method: Bailer

Disposable Bailer Peristaltic Disposable Bailer

Positive Air Displacement Extraction Pump Extraction Port

Electric Submersible Other _____ Dedicated Tubing

Other: _____

13.5 (Gals.) X 3 = 40.5 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	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1206	19.3	6.95	6587	39	14.0	clear yellow
1209	18.9	6.93	6693	49	28.0	" "
1212	18.8	6.92	6618	36	42.0	" "

Did well dewater? Yes (No) Gallons actually evacuated: 42.0

Sampling Date: 9/24/12 Sampling Time: 1220 Depth to Water: 6.83

Sample I.D.: mw-8 Laboratory: Kiff CalScience Other _____

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:	0.70 mg/L	Post-purge:	0.52 mg/L
	O.R.P. (if req'd):	Pre-purge:	4 mV	Post-purge:

WELL MONITORING DATA SHEET

Project #: 120924-CK1	Client: STANTEC
Sampler: C. KILPATRICK	Date: 9/24/12
Well I.D.: OW-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 14.56	Depth to Water (DTW): 5.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.91	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
Electric Submersible Other _____ 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	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1310	24.3	6.92	2957	51	6.2	odor clear yellow
1312	23.6	6.90	2928	39	12.4	" "
1314	23.5	6.89	2921	37	18.6	" "

Did well dewater? Yes No Gallons actually evacuated: 18.6

Sampling Date: 9/24/12 Sampling Time: 1320 Depth to Water: 5.23

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

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

EB I.D. (if applicable): E3 @ Time 1330 Duplicate I.D. (if applicable): _____

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

D.O. (if req'd):	<u>Pre-purge:</u> 0.80 mg/L	<u>Post-purge:</u> 0.61 mg/L
O.R.P. (if req'd):	<u>Pre-purge:</u> -105 mV	<u>Post-purge:</u> -104 mV

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
- LIA
- OTHER

RWQCB REGION

SPECIAL INSTRUCTIONS

Invoice and Report to : Stantec

Attn: Eva Hey (925) 299-9300 Ext. 237

eva.hey@stantec.com

CHAIN OF CUSTODY

BTS # 120924-CW1

CLIENT Stantec

SITE 725 Julie Ann Way

Oakland CA

C = COMPOSITE ALL CONTAINERS

SAMPLE I.D.	DATE	TIME	MATRIX		CONTAINERS		TPH-g (8015M)	TPH-d w/SGC (8015M)	BTEX, MTBE, EDC, EDB (8260)	Napthalene (8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
			S=SOIL W=H ₂ O	TOTAL																
MW-1R	9/24/12	1010	W	8		MIX	X	X	X	X										
MW-1R-DX		1015	W	8		MIX	X	X	X	X										
MW-2		1045	W	8		MIX	X	X	X	X										
MW-4		1040	W	8		MIX	X	X	X	X										
MW-7R		1140	W	8		MIX	X	X	X	X										
MW-8		1220	W	8		MIX	X	X	X	X										
OV-1		1250	W	8		MIX	X	X	X	X										
OV-2		1220	W	8		MIX	X	X	X	X										
EB		1330	W	8		MIX	X	X	X	X										
TB		0630	W	2		HCL WAS	X	X	X	X										

SAMPLING COMPLETED DATE 9/24/12 TIME 1330 SAMPLING PERFORMED BY COREY K. PATRICK RESULTS NEEDED NO LATER THAN Standard TAT

RELEASED BY *[Signature]* DATE 9/24/12 TIME 1630 RECEIVED BY *[Signature]* (S.C.) DATE 9/24/12 TIME 1630

RELEASED BY *[Signature]* DATE 9/26/12 TIME 1447 RECEIVED BY *[Signature]* DATE 9/26/12 TIME 1447

RELEASED BY *[Signature]* DATE _____ TIME _____ RECEIVED BY _____ DATE _____ TIME _____

SHIPPED VIA DATE SENT TIME SENT COOLER #

what cold re

APPENDIX B
Water Sample Laboratory Reports and
Chain-of-Custody Forms
2012 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
January 31, 2013



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 239951
ANALYTICAL REPORT

Stantec
57 Lafayette Circle
Lafayette, CA 94549-4321

Project : STANDARD
Location : 725 Julie Ann Way Oakland, CA
Level : II

Table with 2 columns: Sample ID, Lab ID. Rows include MW-1R, MW-1R DUP, MW-2, MW-4, MW-7R, MW-8, OW-1, OW-2, EB, TB.

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: [Handwritten Signature]
Mike J. Dahlquist
Project Manager
(510) 486-0900

Date: 10/04/2012

CASE NARRATIVE

Laboratory number: 239951
Client: Stantec
Location: 725 Julie Ann Way Oakland, CA
Request Date: 09/26/12
Samples Received: 09/26/12

This data package contains sample and QC results for ten water samples, requested for the above referenced project on 09/26/12. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):

High surrogate recoveries were observed for bromofluorobenzene (FID) in a number of samples. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

High surrogate recovery was observed for o-terphenyl in MW-8 (lab # 239951-006); no target analytes were detected in the sample. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

High response was observed for 1,2-dichloroethane in the CCV analyzed 09/27/12 10:40; affected data was qualified with "b". High recoveries were observed for 1,2-dichloroethane in the MS/MSD for batch 191038; the parent sample was not a project sample, the BS/BSD were within limits, the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples. No other analytical problems were encountered.

BLAINE

TECH SERVICES, INC.

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

239951

CONDUCT ANALYSIS TO DETECT

LAB

C&T Berkeley

DHS #

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

- EPA
- LIA
- OTHER

RWQCB REGION

CHAIN OF CUSTODY

BTS # 120924-CW1

CLIENT Stantec

SITE 725 Julie Ann Way

Oakland CA

C = COMPOSITE ALL CONTAINERS

SPECIAL INSTRUCTIONS

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

SAMPLE I.D.	DATE	TIME	MATRIX		CONTAINERS		C	TPH-g (8015M)	TPH-d w/SGC (8015M)	BTEX, MTBE, EDC, EDB (8260)	Napthalene (8260B)			ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
			S=SOIL	W=H ₂ O	TOTAL													
1 MW-1R	9/24/12	1010	w	0	8	MIX		X	X	X	X							
2 MW-1R DR		1015	w	0	8	MIX		X	X	X	X							
3 MW-2		1045	w	0	8	MIX		X	X	X	X							
4 MW-4		1340	w	0	8	MIX		X	X	X	X							
5 MW-7R		1140	w	0	8	MIX		X	X	X	X							
6 MW-8		1220	w	0	8	MIX		X	X	X	X							
7 OW-1		1250	w	0	8	MIX		X	X	X	X							
8 OW-2		1320	w	0	8	MIX		X	X	X	X							
9 EB		1330	w	0	8	MIX		X	X	X	X							
10 TB		0630	w	2	2	HCL GAS		X	X	X	X							

SAMPLING COMPLETED	DATE 9/24/12	TIME 1330	SAMPLING PERFORMED BY	COREY KUPATRICK	RESULTS NEEDED	NO LATER THAN	Standard TAT					
RELEASED BY	[Signature]		DATE	9/24/12	TIME	1630	RECEIVED BY	[Signature] (S.C.)	DATE	9/24/12	TIME	1630
RELEASED BY	[Signature]		DATE	9/26/12	TIME	1447	RECEIVED BY	[Signature]	DATE	9/26/12	TIME	1447
RELEASED BY	[Signature]		DATE	9/26/12	TIME	1730	RECEIVED BY	[Signature]	DATE	9/26/12	TIME	1730
SHIPPER VIA	DATE SENT	TIME SENT	COOLER #									

what cold re

COOLER RECEIPT CHECKLIST



Curtis & Tompkins, Ltd.

Login # 239951 Date Received 9/26/12 Number of coolers 1
Client Stantec Project 725 Julie Ann Way
Date Opened 9/26/12 By (print) [signature] (sign) [signature]
Date Logged in 9/27/12 By (print) [signature] (sign) [signature]

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) /

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

[Blank lines for comments]

Total Volatile Hydrocarbons

Lab #:	239951	Location:	725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	191067
Units:	ug/L	Sampled:	09/24/12
Diln Fac:	1.000	Received:	09/26/12

Field ID:	MW-1R	Lab ID:	239951-001
Type:	SAMPLE	Analyzed:	09/27/12

Analyte	Result	RL
Gasoline C7-C12	110 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	125 *	75-124

Field ID:	MW-1R DUP	Lab ID:	239951-002
Type:	SAMPLE	Analyzed:	09/27/12

Analyte	Result	RL
Gasoline C7-C12	120 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	75-124

Field ID:	MW-2	Lab ID:	239951-003
Type:	SAMPLE	Analyzed:	09/27/12

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	108	75-124

Field ID:	MW-4	Lab ID:	239951-004
Type:	SAMPLE	Analyzed:	09/27/12

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	123	75-124

Field ID:	MW-7R	Lab ID:	239951-005
Type:	SAMPLE	Analyzed:	09/28/12

Analyte	Result	RL
Gasoline C7-C12	110 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	107	75-124

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons

Lab #:	239951	Location:	725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	191067
Units:	ug/L	Sampled:	09/24/12
Diln Fac:	1.000	Received:	09/26/12

Field ID: MW-8	Lab ID: 239951-006
Type: SAMPLE	Analyzed: 09/28/12

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	125 *	75-124

Field ID: OW-1	Lab ID: 239951-007
Type: SAMPLE	Analyzed: 09/28/12

Analyte	Result	RL
Gasoline C7-C12	140 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	116	75-124

Field ID: OW-2	Lab ID: 239951-008
Type: SAMPLE	Analyzed: 09/28/12

Analyte	Result	RL
Gasoline C7-C12	380 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	119	75-124

Field ID: EB	Lab ID: 239951-009
Type: SAMPLE	Analyzed: 09/28/12

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	125 *	75-124

Field ID: TB	Lab ID: 239951-010
Type: SAMPLE	Analyzed: 09/28/12

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	115	75-124

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8015B
Matrix:	Water	Batch#: 191067
Units:	ug/L	Sampled: 09/24/12
Diln Fac:	1.000	Received: 09/26/12

Type: BLANK Analyzed: 09/27/12
 Lab ID: QC658573

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	99	75-124

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons				
Lab #:	239951	Location:	725 Julie Ann Way Oakland, CA	
Client:	Stantec	Prep:	EPA 5030B	
Project#:	STANDARD	Analysis:	EPA 8015B	
Type:	LCS	Diln Fac:	1.000	
Lab ID:	QC658570	Batch#:	191067	
Matrix:	Water	Analyzed:	09/27/12	
Units:	ug/L			

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,121	112	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	107	75-124

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	239951	Location:	725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	MW-1R	Batch#:	191067
MSS Lab ID:	239951-001	Sampled:	09/24/12
Matrix:	Water	Received:	09/26/12
Units:	ug/L	Analyzed:	09/27/12
Diln Fac:	1.000		

Type: MS Lab ID: QC658574

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	114.0	2,000	1,942	91	71-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	111	75-124

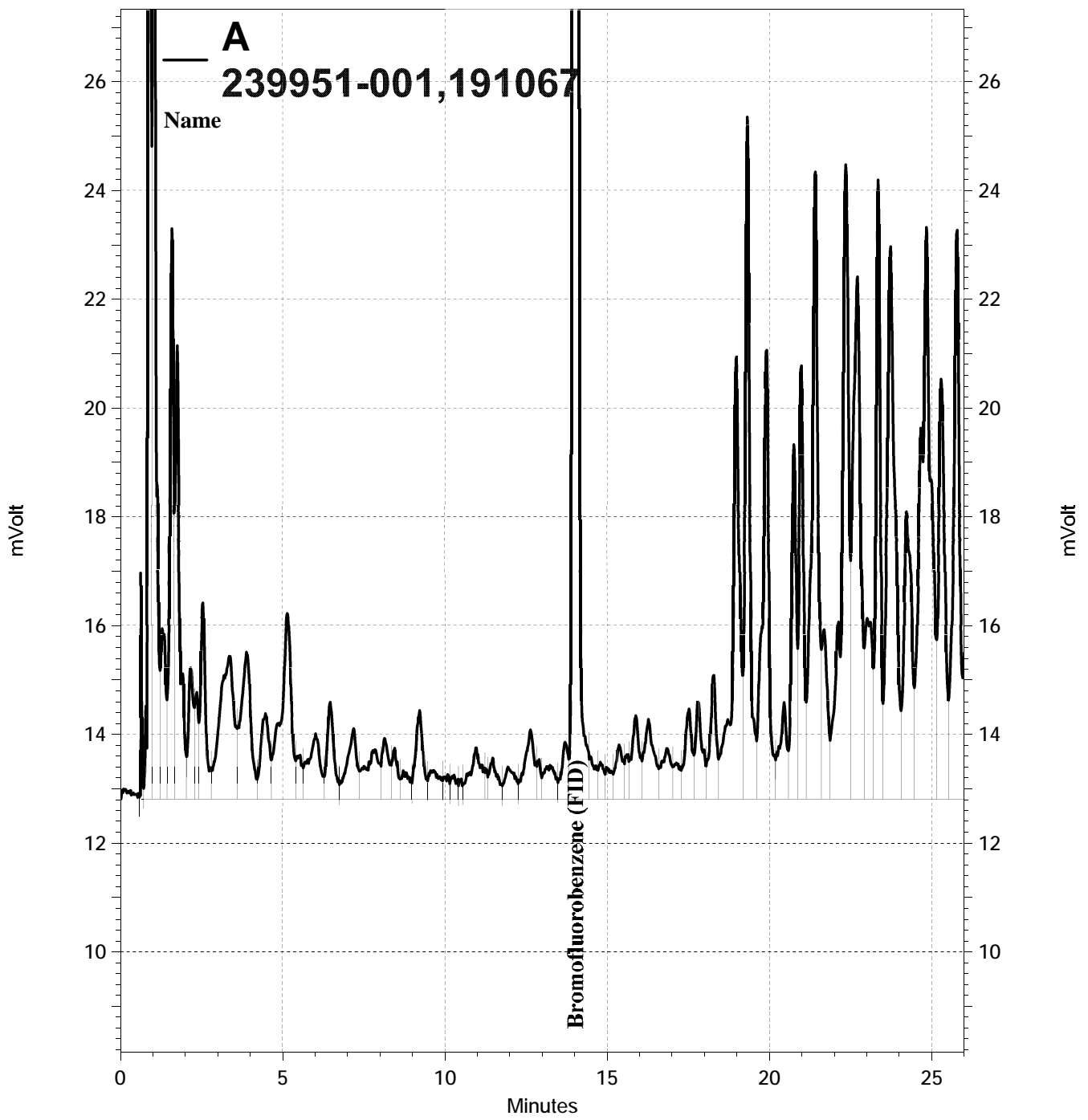
Type: MSD Lab ID: QC658575

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,213	105	71-120	13	22

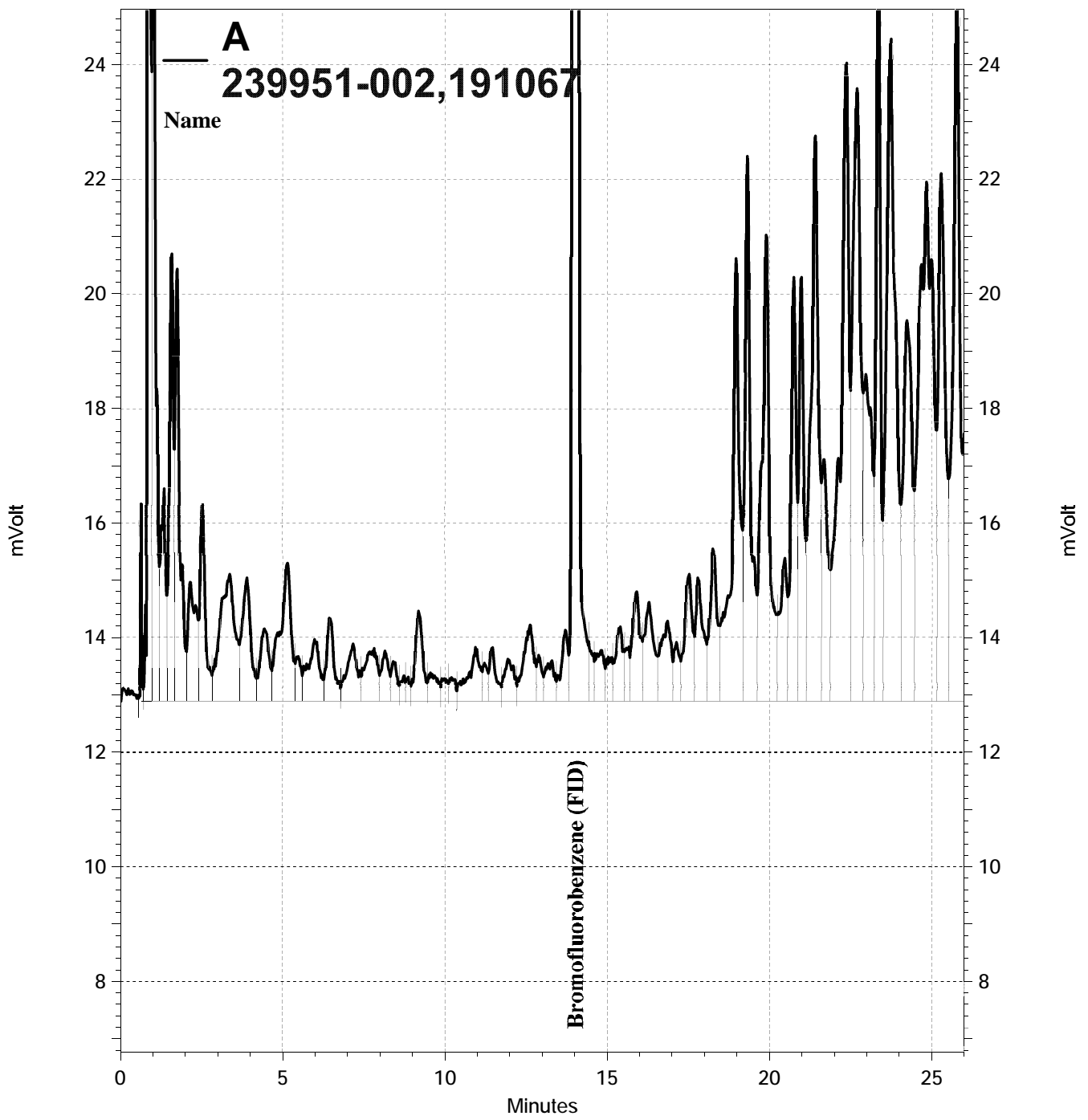
Surrogate	%REC	Limits
Bromofluorobenzene (FID)	129 *	75-124

*= Value outside of QC limits; see narrative

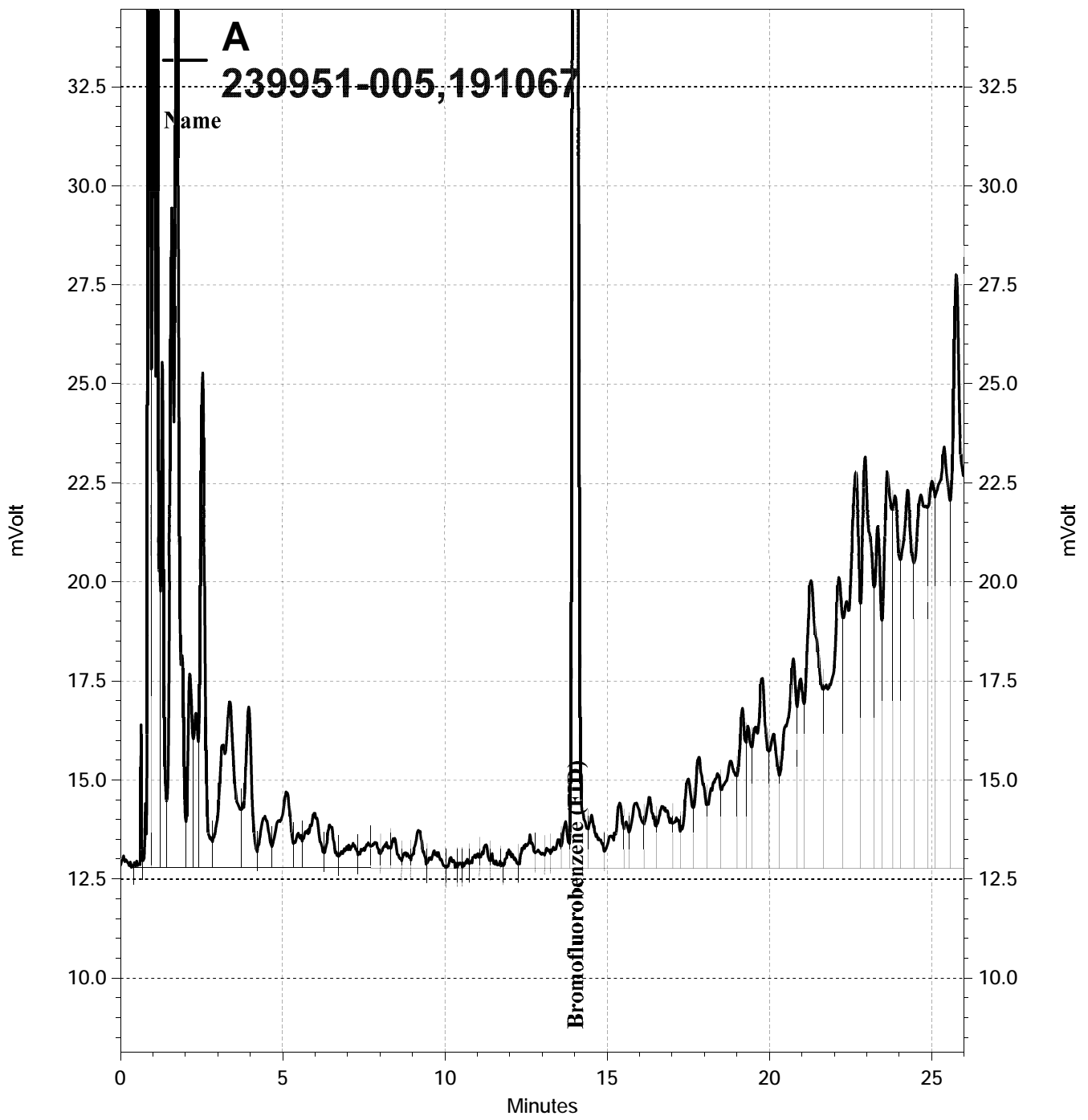
RPD= Relative Percent Difference



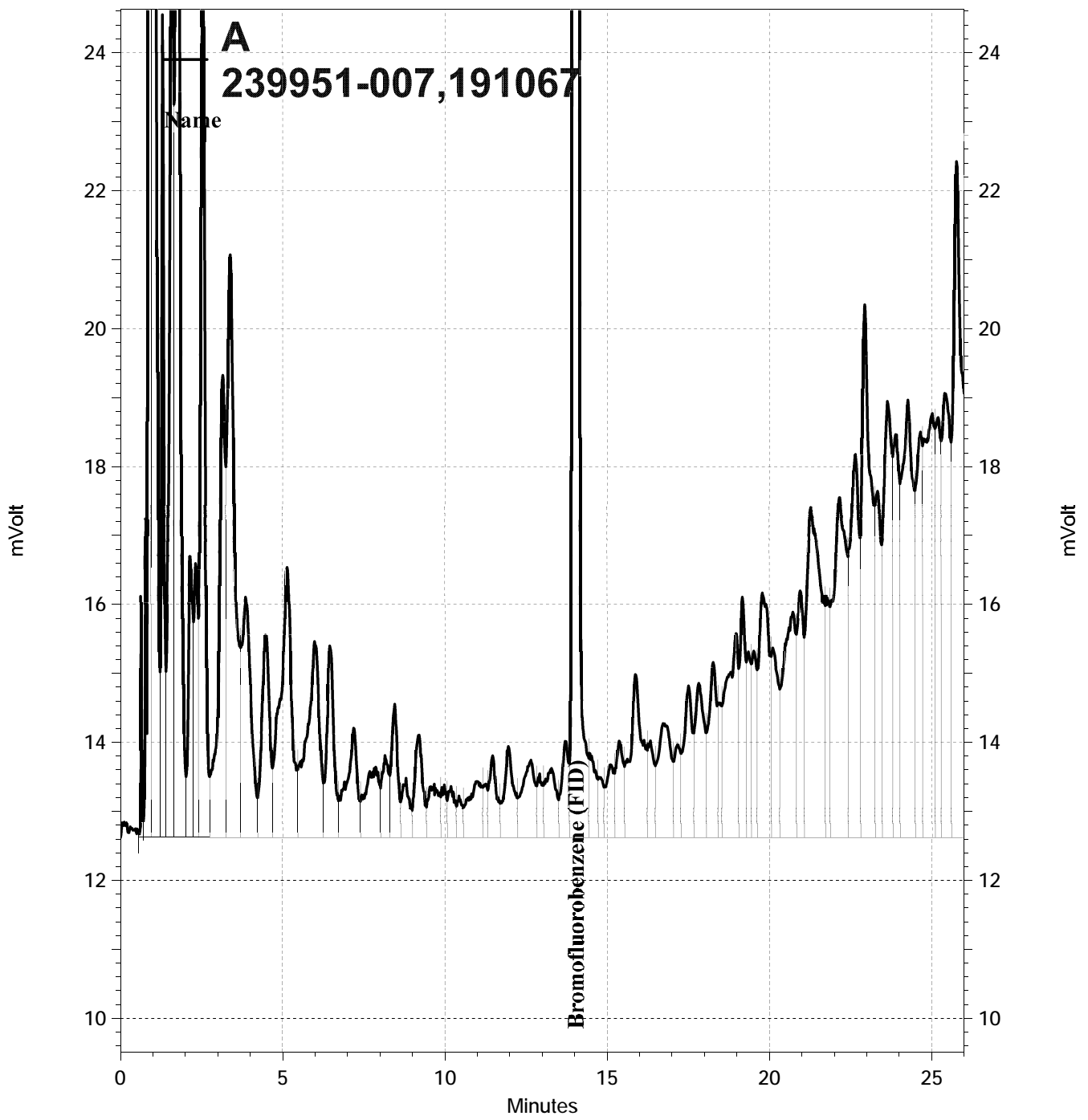
— \\Lims\gdrive\ezchrom\Projects\GC19\Data\271-015, A



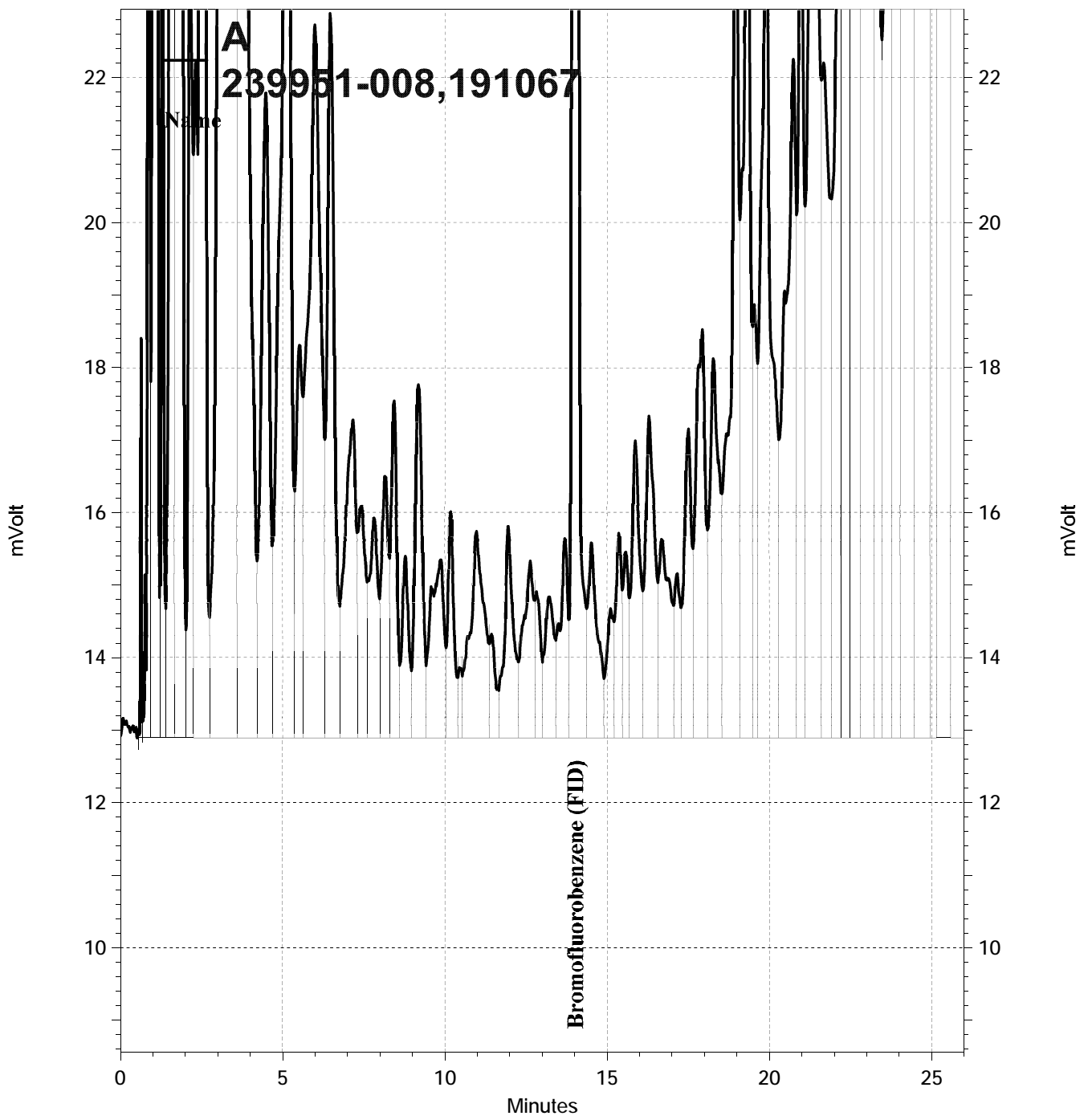
— \\Lims\gdrive\ezchrom\Projects\GC19\Data\271-018, A



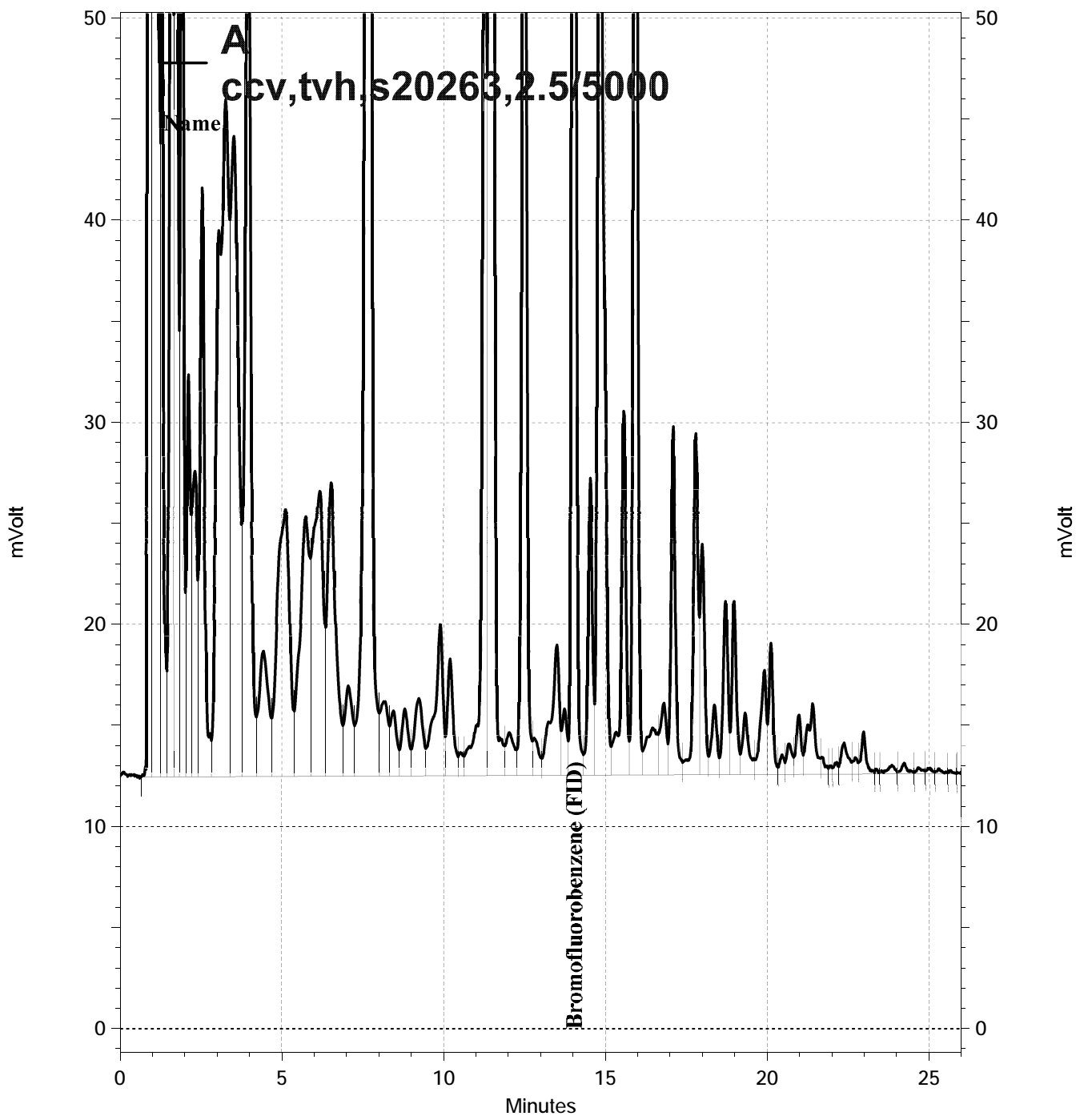
— \\Lims\gdrive\ezchrom\Projects\GC19\Data\271-030, A



— \\Lims\gdrive\ezchrom\Projects\GC19\Data\271-032, A



— \\Lims\gdrive\ezchrom\Projects\GC19\Data\271-033, A



— \\Lims\gdrive\ezchrom\Projects\GC19\Data\271-005, A

Total Extractable Hydrocarbons		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 3520C
Project#:	STANDARD	Analysis: EPA 8015B
Matrix:	Water	Sampled: 09/24/12
Units:	ug/L	Received: 09/26/12
Diln Fac:	1.000	Prepared: 09/27/12
Batch#:	191052	

Field ID: MW-1R Analyzed: 09/28/12
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 239951-001

Analyte	Result	RL
Diesel C10-C24	590 Y	50

Surrogate	%REC	Limits
o-Terphenyl	126	61-134

Field ID: MW-1R DUP Analyzed: 09/28/12
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 239951-002

Analyte	Result	RL
Diesel C10-C24	510 Y	50

Surrogate	%REC	Limits
o-Terphenyl	106	61-134

Field ID: MW-2 Analyzed: 09/29/12
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 239951-003

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	119	61-134

Field ID: MW-4 Analyzed: 09/29/12
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 239951-004

Analyte	Result	RL
Diesel C10-C24	1,200 Y	50

Surrogate	%REC	Limits
o-Terphenyl	112	61-134

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 3520C
Project#:	STANDARD	Analysis: EPA 8015B
Matrix:	Water	Sampled: 09/24/12
Units:	ug/L	Received: 09/26/12
Diln Fac:	1.000	Prepared: 09/27/12
Batch#:	191052	

Field ID: MW-7R Analyzed: 09/29/12
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 239951-005

Analyte	Result	RL
Diesel C10-C24	1,200 Y	50

Surrogate	%REC	Limits
o-Terphenyl	110	61-134

Field ID: MW-8 Analyzed: 09/29/12
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 239951-006

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	148 *	61-134

Field ID: OW-1 Analyzed: 09/29/12
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 239951-007

Analyte	Result	RL
Diesel C10-C24	1,200 Y	50

Surrogate	%REC	Limits
o-Terphenyl	108	61-134

Field ID: OW-2 Analyzed: 09/29/12
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 239951-008

Analyte	Result	RL
Diesel C10-C24	1,900 Y	50

Surrogate	%REC	Limits
o-Terphenyl	116	61-134

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 3520C
Project#:	STANDARD	Analysis: EPA 8015B
Matrix:	Water	Sampled: 09/24/12
Units:	ug/L	Received: 09/26/12
Diln Fac:	1.000	Prepared: 09/27/12
Batch#:	191052	

Field ID: EB Analyzed: 09/29/12
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 239951-009

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	125	61-134

Type: BLANK Analyzed: 09/28/12
 Lab ID: QC658502 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	98	61-134

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	239951	Location:	725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	191052
Units:	ug/L	Prepared:	09/27/12
Diln Fac:	1.000	Analyzed:	09/28/12

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC658503

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,987	79	60-120

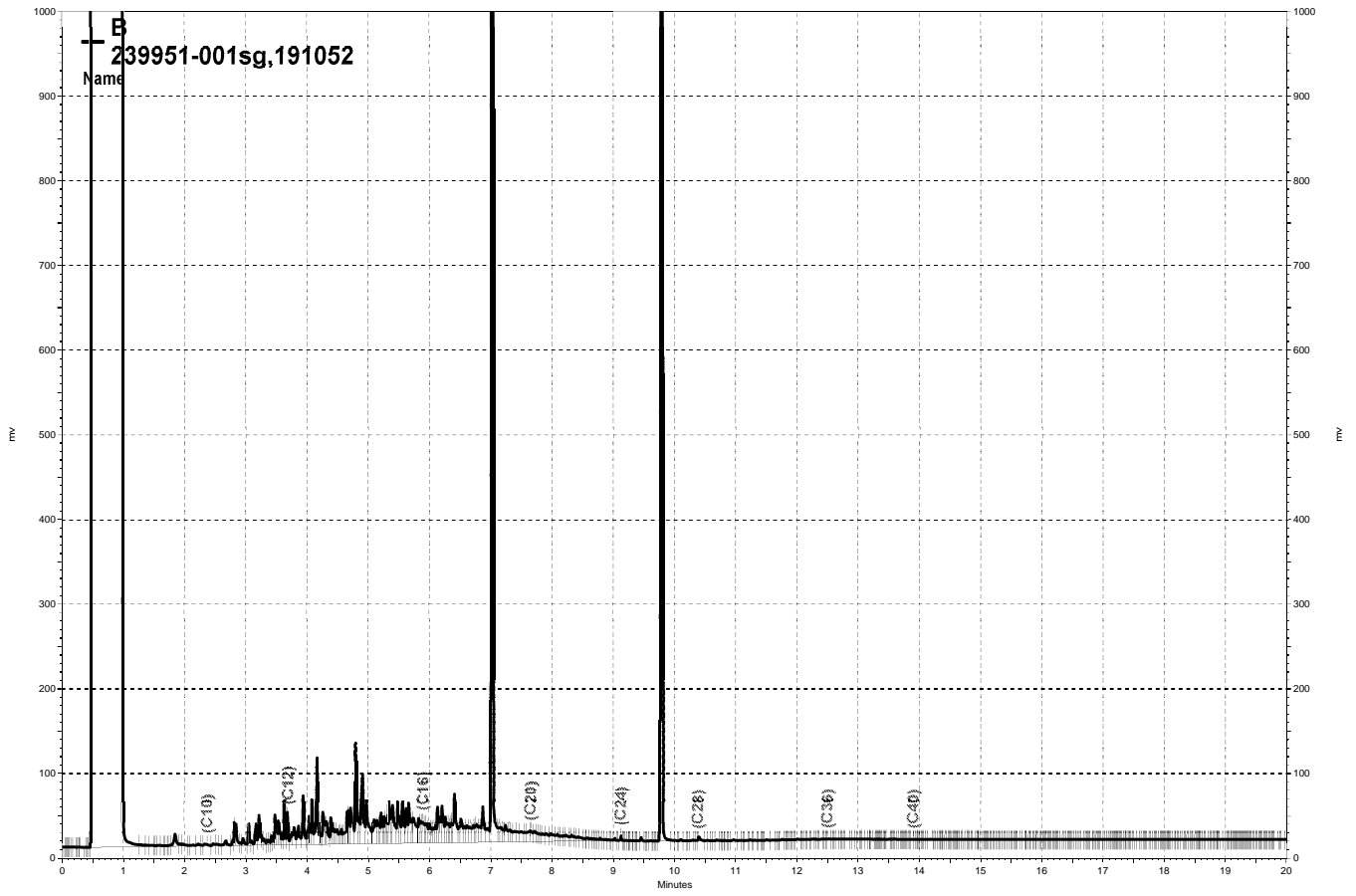
Surrogate	%REC	Limits
o-Terphenyl	96	61-134

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC658504

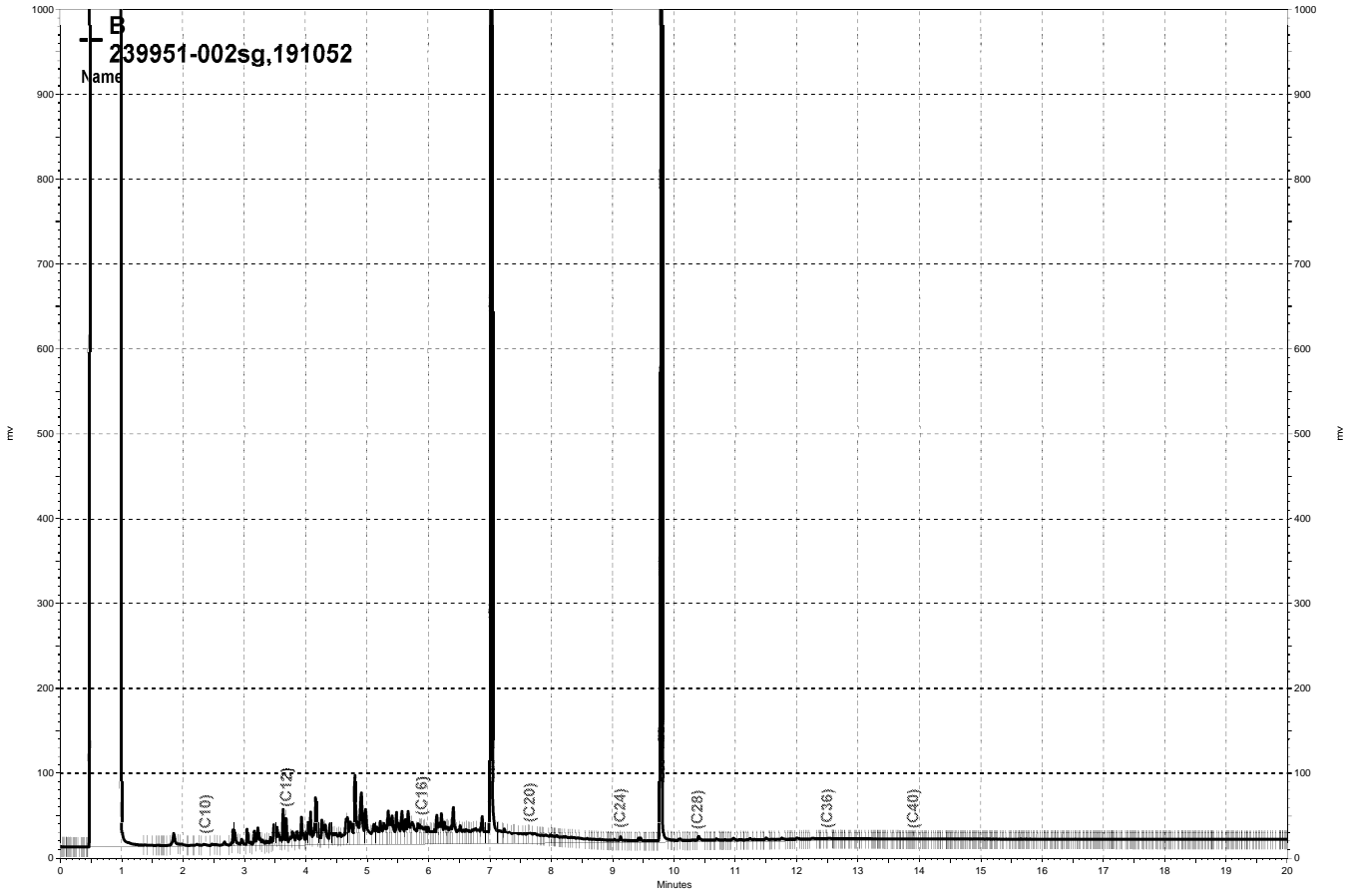
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,162	86	60-120	8	35

Surrogate	%REC	Limits
o-Terphenyl	106	61-134

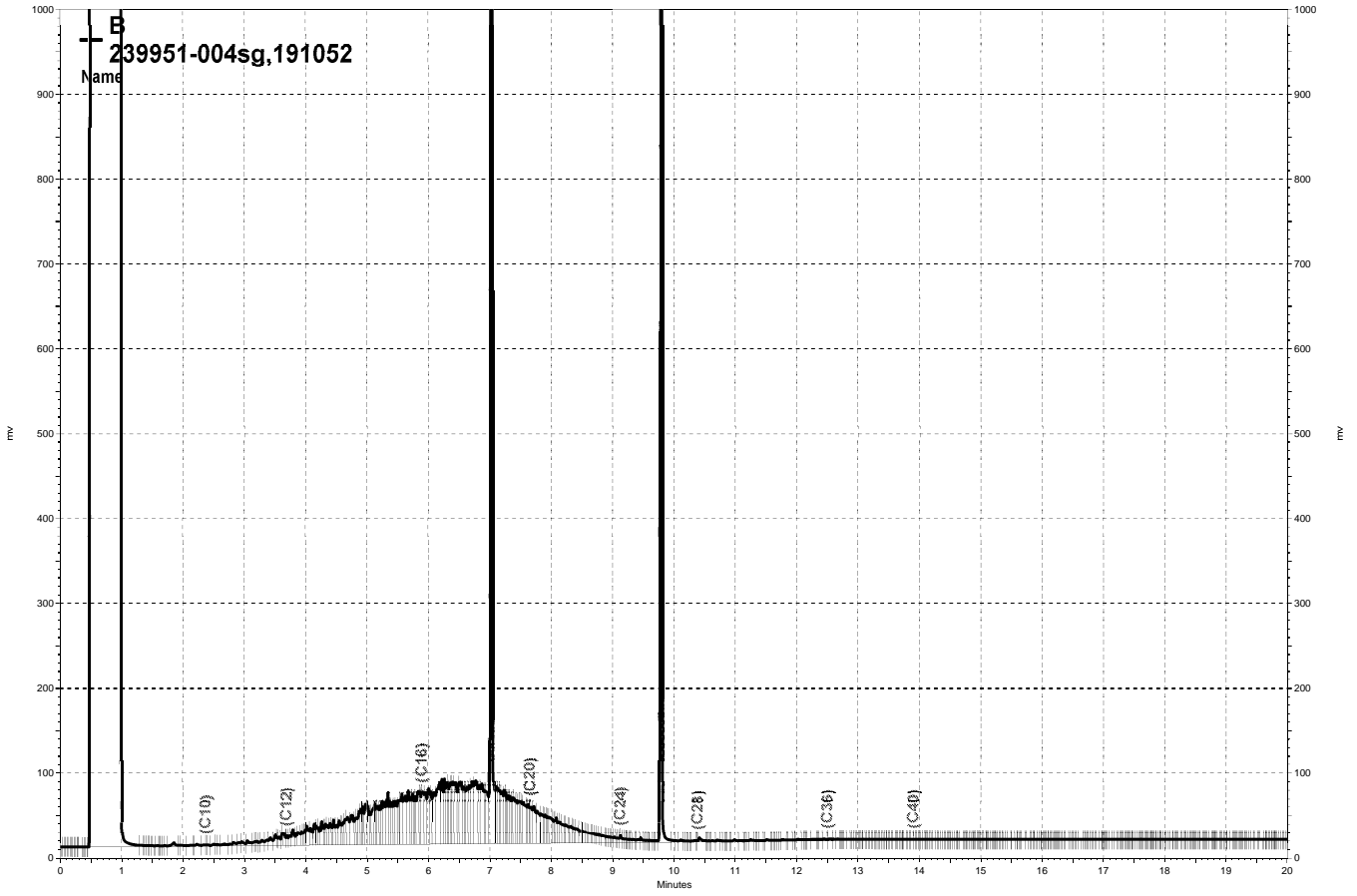
RPD= Relative Percent Difference



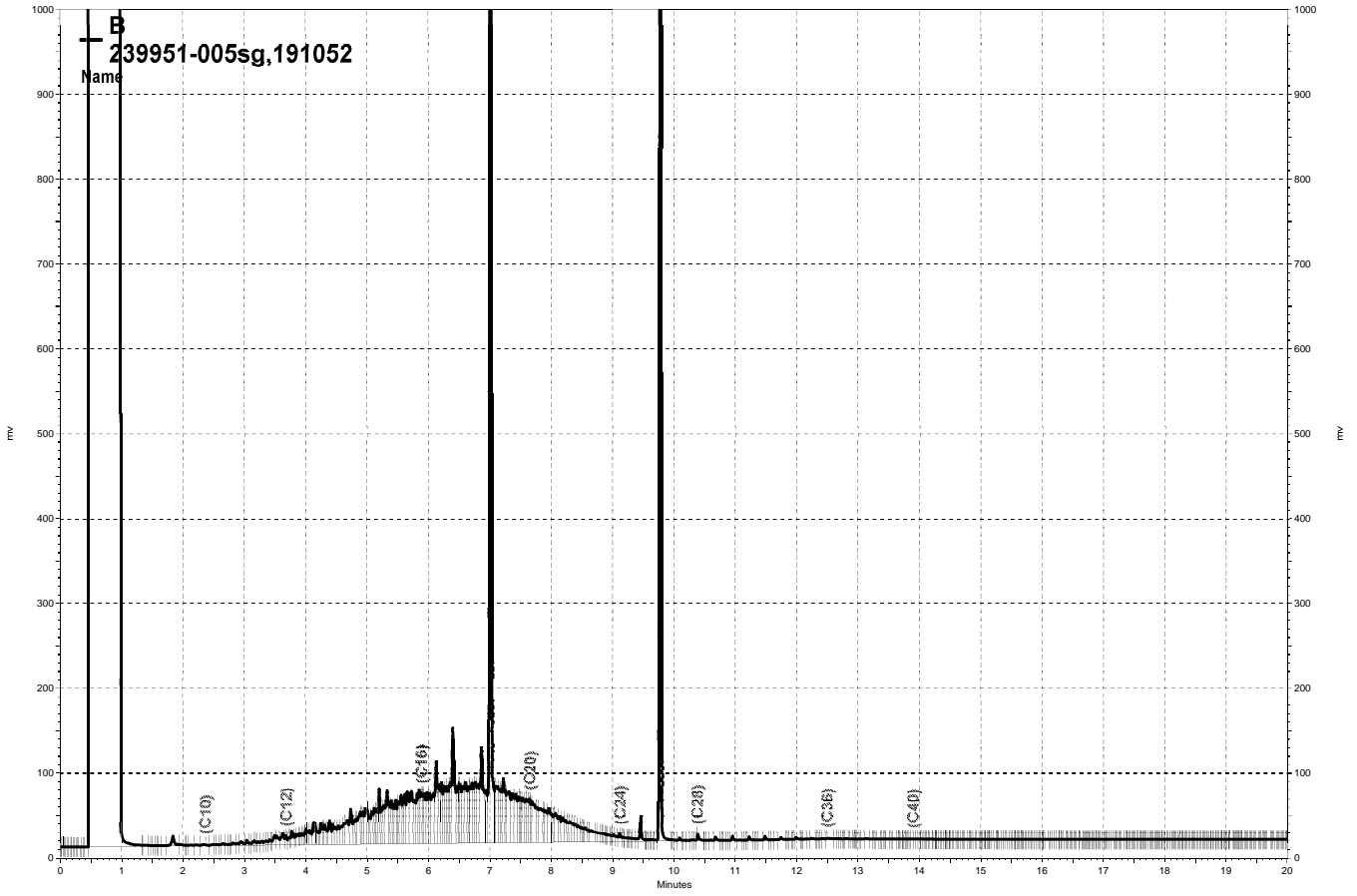
\\Lims\gdrive\ezchrom\Projects\GC15B\Data\272b024, B



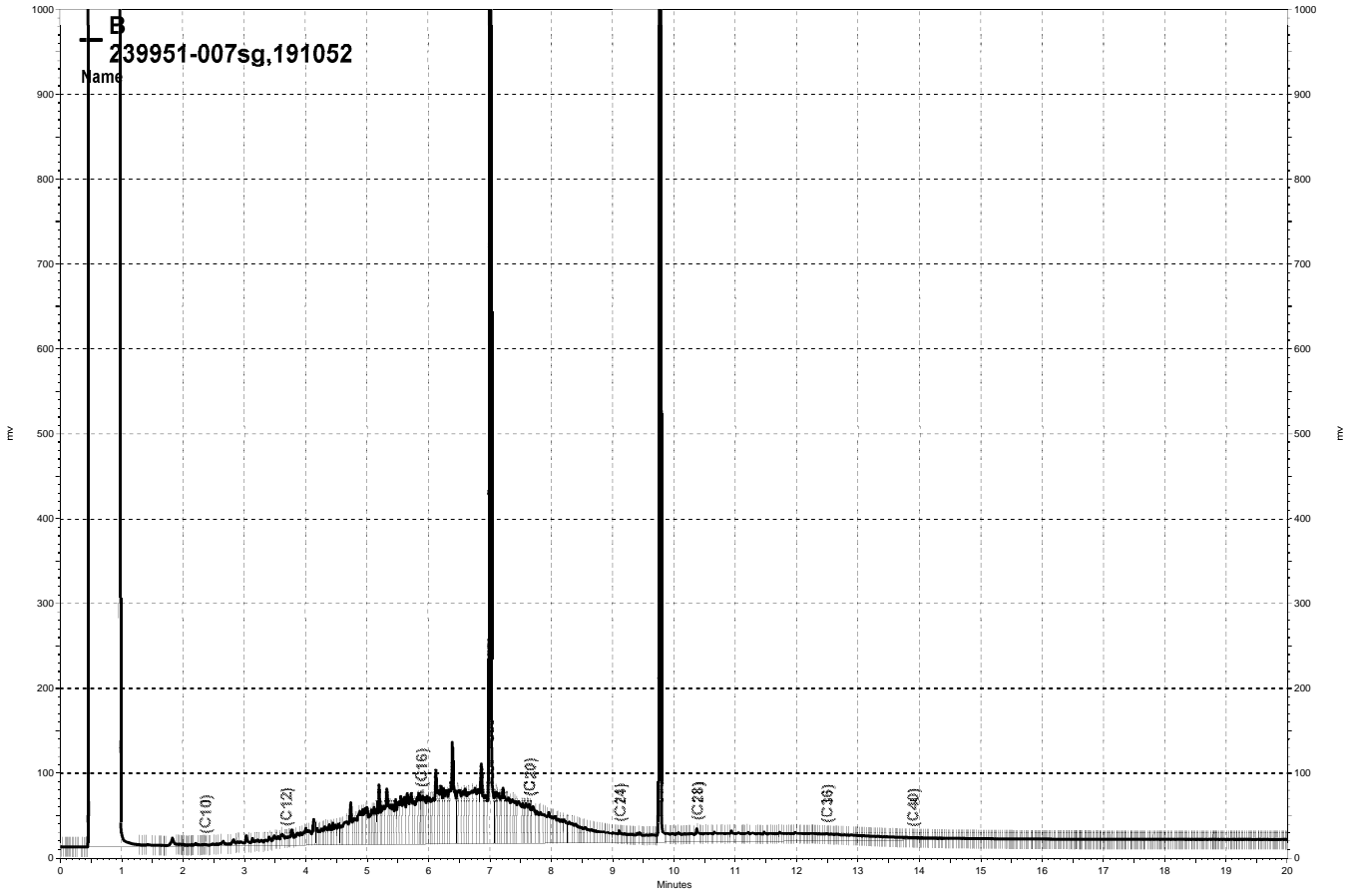
\\Lims\gdrive\ezchrom\Projects\GC15B\Data\272b029, B



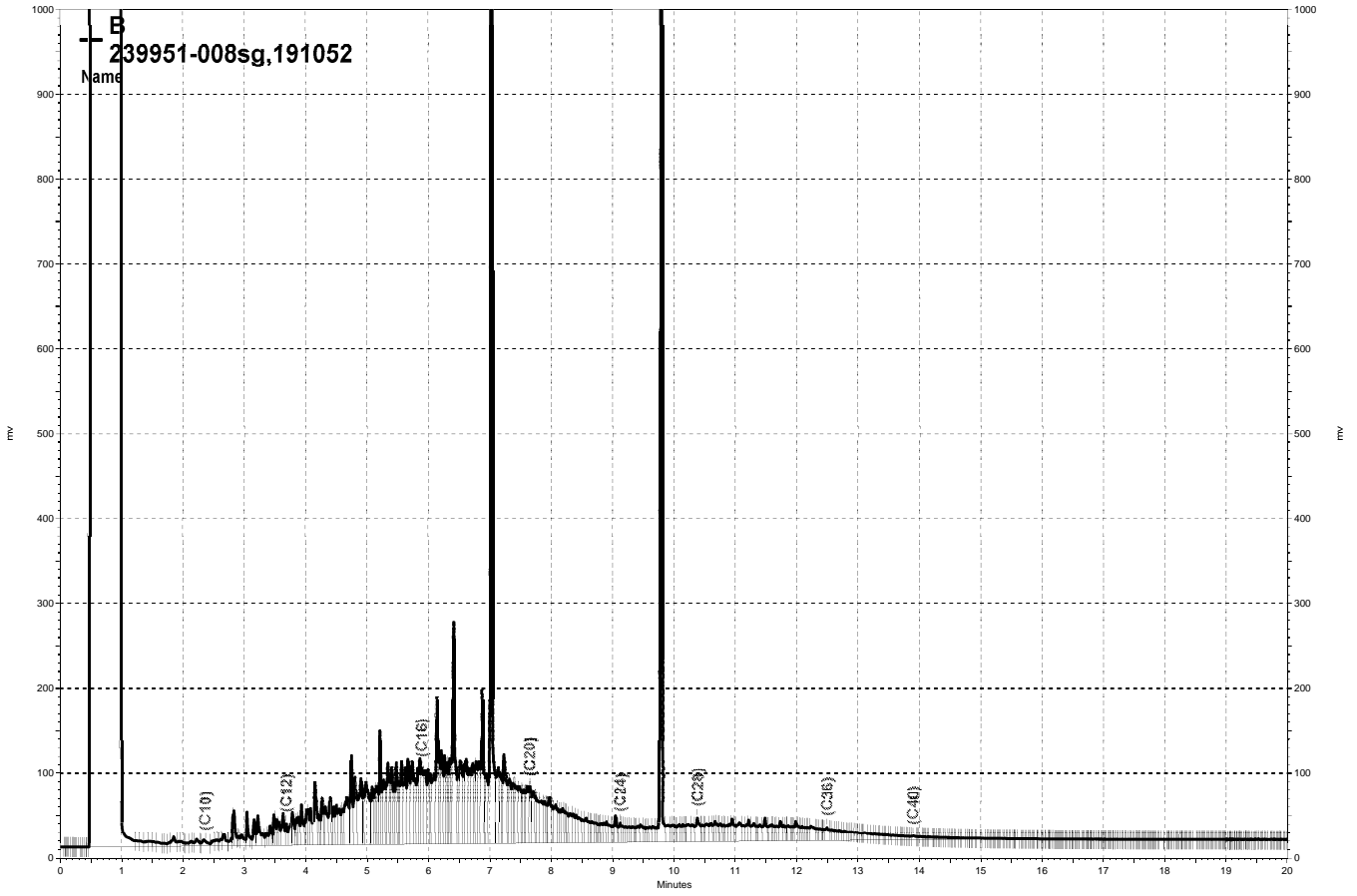
— \\Lims\gdrive\ezchrom\Projects\GC15B\Data\272b031, B



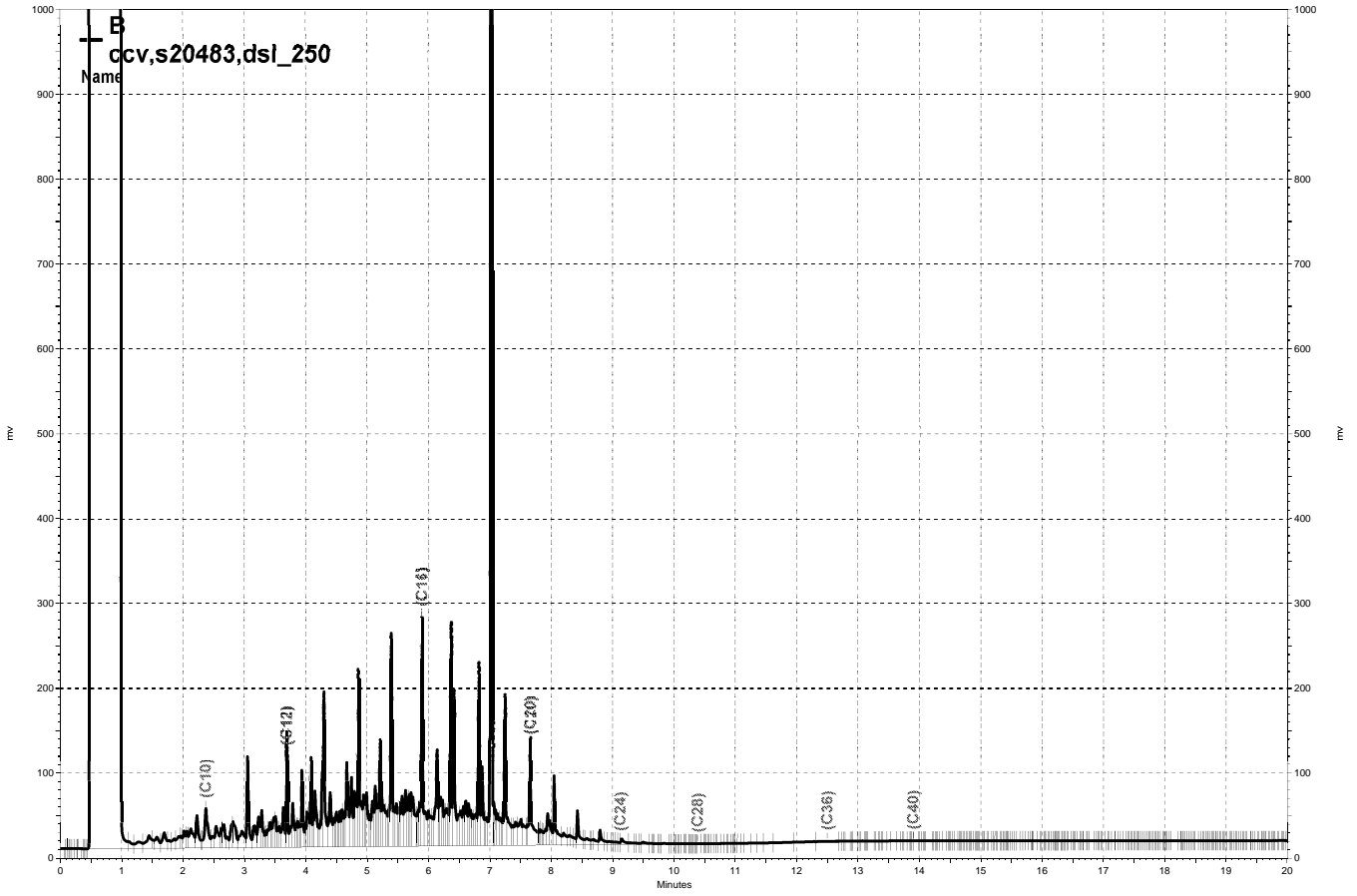
— \\Lims\gdrive\ezchrom\Projects\GC15B\Data\272b032, B



— \\Lims\gdrive\ezchrom\Projects\GC15B\Data\272b034, B



— \\Lims\gdrive\ezchrom\Projects\GC15B\Data\272b035, B



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\272b011, B

BTXE & Oxygenates		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8260B
Field ID:	MW-1R	Batch#: 191038
Lab ID:	239951-001	Sampled: 09/24/12
Matrix:	Water	Received: 09/26/12
Units:	ug/L	Analyzed: 09/27/12
Diln Fac:	1.000	

Analyte	Result	RL
MTBE	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	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	99	80-127
1,2-Dichloroethane-d4	129	69-148
Toluene-d8	93	80-120
Bromofluorobenzene	101	80-121

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8260B
Field ID:	MW-1R DUP	Batch#: 191038
Lab ID:	239951-002	Sampled: 09/24/12
Matrix:	Water	Received: 09/26/12
Units:	ug/L	Analyzed: 09/27/12
Diln Fac:	1.000	

Analyte	Result	RL
MTBE	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	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	80-127
1,2-Dichloroethane-d4	128	69-148
Toluene-d8	94	80-120
Bromofluorobenzene	101	80-121

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8260B
Field ID:	MW-2	Batch#: 191091
Lab ID:	239951-003	Sampled: 09/24/12
Matrix:	Water	Received: 09/26/12
Units:	ug/L	Analyzed: 09/28/12
Diln Fac:	1.000	

Analyte	Result	RL
MTBE	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	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	99	80-127
1,2-Dichloroethane-d4	102	69-148
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-121

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8260B
Field ID:	MW-4	Batch#: 191091
Lab ID:	239951-004	Sampled: 09/24/12
Matrix:	Water	Received: 09/26/12
Units:	ug/L	Analyzed: 09/28/12
Diln Fac:	1.000	

Analyte	Result	RL
MTBE	1.3	0.5
1,2-Dichloroethane	ND	0.5
Benzene	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	80-127
1,2-Dichloroethane-d4	109	69-148
Toluene-d8	97	80-120
Bromofluorobenzene	102	80-121

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8260B
Field ID:	MW-7R	Batch#: 191091
Lab ID:	239951-005	Sampled: 09/24/12
Matrix:	Water	Received: 09/26/12
Units:	ug/L	Analyzed: 09/28/12
Diln Fac:	1.000	

Analyte	Result	RL
MTBE	1.8	0.5
1,2-Dichloroethane	ND	0.5
Benzene	1.2	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	80-127
1,2-Dichloroethane-d4	105	69-148
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-121

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8260B
Field ID:	MW-8	Batch#: 191091
Lab ID:	239951-006	Sampled: 09/24/12
Matrix:	Water	Received: 09/26/12
Units:	ug/L	Analyzed: 09/28/12
Diln Fac:	1.000	

Analyte	Result	RL
MTBE	1.6	0.5
1,2-Dichloroethane	ND	0.5
Benzene	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	80-127
1,2-Dichloroethane-d4	106	69-148
Toluene-d8	98	80-120
Bromofluorobenzene	103	80-121

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8260B
Field ID:	OW-1	Batch#: 191091
Lab ID:	239951-007	Sampled: 09/24/12
Matrix:	Water	Received: 09/26/12
Units:	ug/L	Analyzed: 09/28/12
Diln Fac:	1.000	

Analyte	Result	RL
MTBE	3.7	0.5
1,2-Dichloroethane	ND	0.5
Benzene	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	80-127
1,2-Dichloroethane-d4	100	69-148
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-121

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8260B
Field ID:	OW-2	Batch#: 191091
Lab ID:	239951-008	Sampled: 09/24/12
Matrix:	Water	Received: 09/26/12
Units:	ug/L	Analyzed: 09/28/12
Diln Fac:	1.000	

Analyte	Result	RL
MTBE	10	0.5
1,2-Dichloroethane	ND	0.5
Benzene	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	80-127
1,2-Dichloroethane-d4	103	69-148
Toluene-d8	99	80-120
Bromofluorobenzene	101	80-121

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8260B
Field ID:	EB	Batch#: 191091
Lab ID:	239951-009	Sampled: 09/24/12
Matrix:	Water	Received: 09/26/12
Units:	ug/L	Analyzed: 09/28/12
Diln Fac:	1.000	

Analyte	Result	RL
MTBE	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	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	80-127
1,2-Dichloroethane-d4	99	69-148
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-121

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

BTXE & Oxygenates			
Lab #:	239951	Location:	725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	191038
Units:	ug/L	Analyzed:	09/27/12
Diln Fac:	1.000		

Type: BS Lab ID: QC658451

Analyte	Spiked	Result	%REC	Limits
MTBE	25.00	20.77	83	59-120
1,2-Dichloroethane	25.00	33.58 b	134	72-139
Benzene	25.00	22.66	91	80-123
Toluene	25.00	24.51	98	80-120
1,2-Dibromoethane	25.00	24.98	100	80-120
Ethylbenzene	25.00	27.00	108	80-123
m,p-Xylenes	50.00	54.33	109	80-123
o-Xylene	25.00	25.97	104	80-122
Naphthalene	25.00	25.00	100	63-133

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-127
1,2-Dichloroethane-d4	126	69-148
Toluene-d8	94	80-120
Bromofluorobenzene	98	80-121

Type: BSD Lab ID: QC658452

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	25.00	20.21	81	59-120	3	20
1,2-Dichloroethane	25.00	32.43 b	130	72-139	3	20
Benzene	25.00	21.26	85	80-123	6	20
Toluene	25.00	23.26	93	80-120	5	20
1,2-Dibromoethane	25.00	24.42	98	80-120	2	20
Ethylbenzene	25.00	25.63	103	80-123	5	20
m,p-Xylenes	50.00	51.22	102	80-123	6	20
o-Xylene	25.00	24.55	98	80-122	6	20
Naphthalene	25.00	25.73	103	63-133	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-127
1,2-Dichloroethane-d4	126	69-148
Toluene-d8	95	80-120
Bromofluorobenzene	99	80-121

b= See narrative
 RPD= Relative Percent Difference
 Page 1 of 1

Batch QC Report

BTXE & Oxygenates		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC658453	Batch#: 191038
Matrix:	Water	Analyzed: 09/27/12
Units:	ug/L	

Analyte	Result	RL
MTBE	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	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	97	80-127
1,2-Dichloroethane-d4	128	69-148
Toluene-d8	94	80-120
Bromofluorobenzene	100	80-121

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

BTXE & Oxygenates		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#: 191038
MSS Lab ID:	239933-001	Sampled: 09/26/12
Matrix:	Water	Received: 09/26/12
Units:	ug/L	Analyzed: 09/27/12
Diln Fac:	2.000	

Type: MS Lab ID: QC658540

Analyte	MSS	Result	Spiked	Result	%REC	Limits
MTBE	<0.2000		50.00	48.87	98	68-120
1,2-Dichloroethane	<0.2000		50.00	72.16 b	144 *	80-129
Benzene	<0.2000		50.00	47.89	96	80-121
Toluene	<0.2000		50.00	48.49	97	80-120
1,2-Dibromoethane	<0.2000		50.00	52.88	106	80-120
Ethylbenzene	<0.2000		50.00	53.11	106	80-120
m,p-Xylenes	<0.2631		100.0	107.4	107	80-120
o-Xylene	<0.2000		50.00	52.18	104	80-120
Naphthalene	0.5240		50.00	53.67	106	71-132

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-127
1,2-Dichloroethane-d4	134	69-148
Toluene-d8	94	80-120
Bromofluorobenzene	96	80-121

Type: MSD Lab ID: QC658541

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	45.96	92	68-120	6	20
1,2-Dichloroethane	50.00	66.85 b	134 *	80-129	8	20
Benzene	50.00	43.25	86	80-121	10	20
Toluene	50.00	45.71	91	80-120	6	20
1,2-Dibromoethane	50.00	50.63	101	80-120	4	20
Ethylbenzene	50.00	49.46	99	80-120	7	20
m,p-Xylenes	100.0	100.9	101	80-120	6	20
o-Xylene	50.00	48.79	98	80-120	7	20
Naphthalene	50.00	55.96	111	71-132	4	25

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-127
1,2-Dichloroethane-d4	130	69-148
Toluene-d8	95	80-120
Bromofluorobenzene	99	80-121

*= Value outside of QC limits; see narrative

b= See narrative

RPD= Relative Percent Difference

Batch QC Report

BTXE & Oxygenates		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8260B
Matrix:	Water	Batch#: 191091
Units:	ug/L	Analyzed: 09/28/12
Diln Fac:	1.000	

Type: BS Lab ID: QC658670

Analyte	Spiked	Result	%REC	Limits
MTBE	25.00	22.90	92	59-120
1,2-Dichloroethane	25.00	25.02	100	72-139
Benzene	25.00	26.96	108	80-123
Toluene	25.00	26.30	105	80-120
1,2-Dibromoethane	25.00	24.99	100	80-120
Ethylbenzene	25.00	26.06	104	80-123
m,p-Xylenes	50.00	53.85	108	80-123
o-Xylene	25.00	25.74	103	80-122
Naphthalene	25.00	26.87	107	63-133

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-127
1,2-Dichloroethane-d4	100	69-148
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-121

Type: BSD Lab ID: QC658671

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	25.00	21.67	87	59-120	5	20
1,2-Dichloroethane	25.00	23.74	95	72-139	5	20
Benzene	25.00	24.38	98	80-123	10	20
Toluene	25.00	24.61	98	80-120	7	20
1,2-Dibromoethane	25.00	24.23	97	80-120	3	20
Ethylbenzene	25.00	25.87	103	80-123	1	20
m,p-Xylenes	50.00	53.32	107	80-123	1	20
o-Xylene	25.00	24.91	100	80-122	3	20
Naphthalene	25.00	25.62	102	63-133	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-127
1,2-Dichloroethane-d4	97	69-148
Toluene-d8	99	80-120
Bromofluorobenzene	101	80-121

RPD= Relative Percent Difference

Batch QC Report

BTXE & Oxygenates		
Lab #:	239951	Location: 725 Julie Ann Way Oakland, CA
Client:	Stantec	Prep: EPA 5030B
Project#:	STANDARD	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC658672	Batch#: 191091
Matrix:	Water	Analyzed: 09/28/12
Units:	ug/L	

Analyte	Result	RL
MTBE	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	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	98	80-127
1,2-Dichloroethane-d4	99	69-148
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-121

ND= Not Detected
 RL= Reporting Limit

APPENDIX C

Concentration Plots – 1997 - 2012

2012 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

January 31, 2013

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

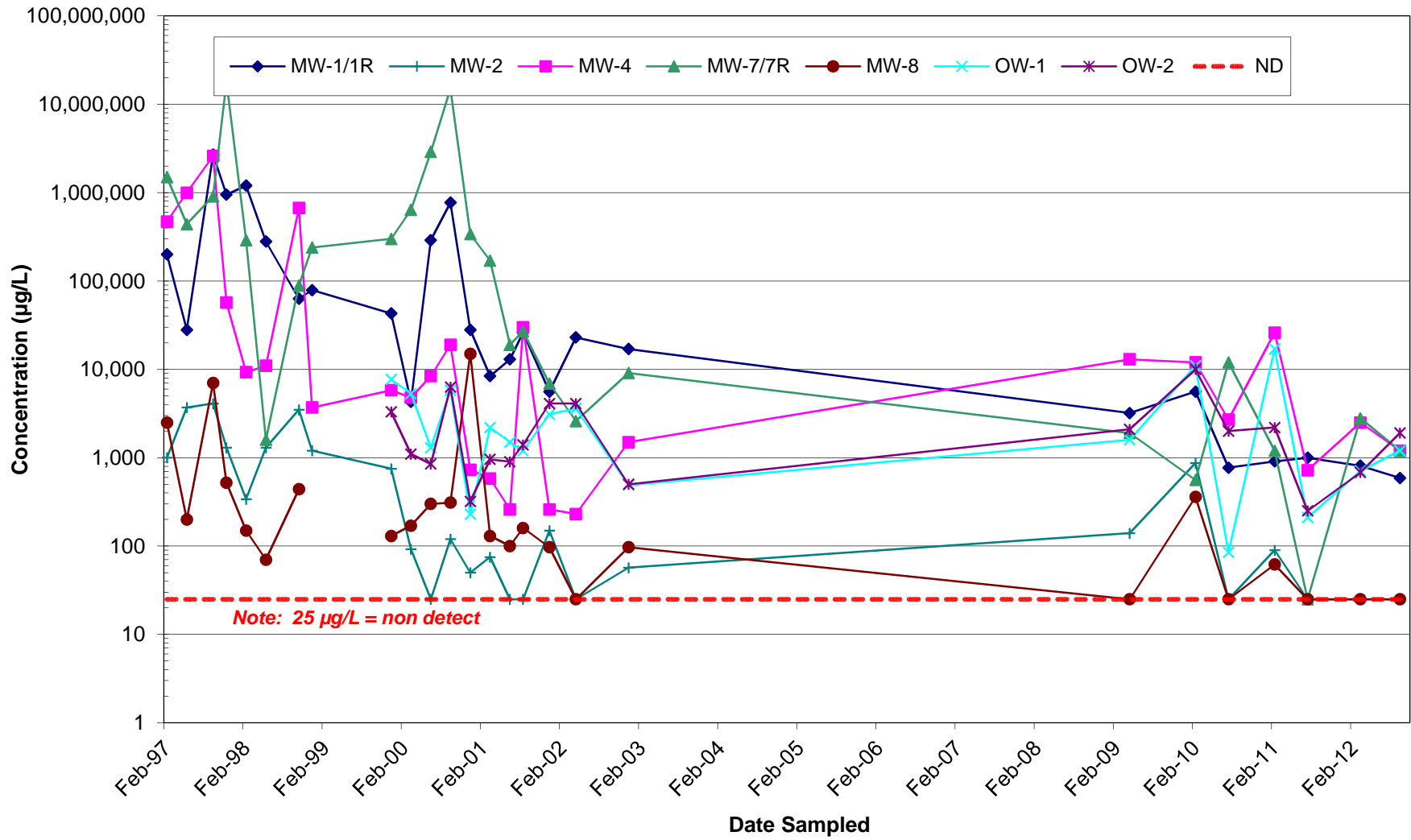


FIGURE C-2
TPHg versus Time
725 Julie Ann Way, Oakland, CA

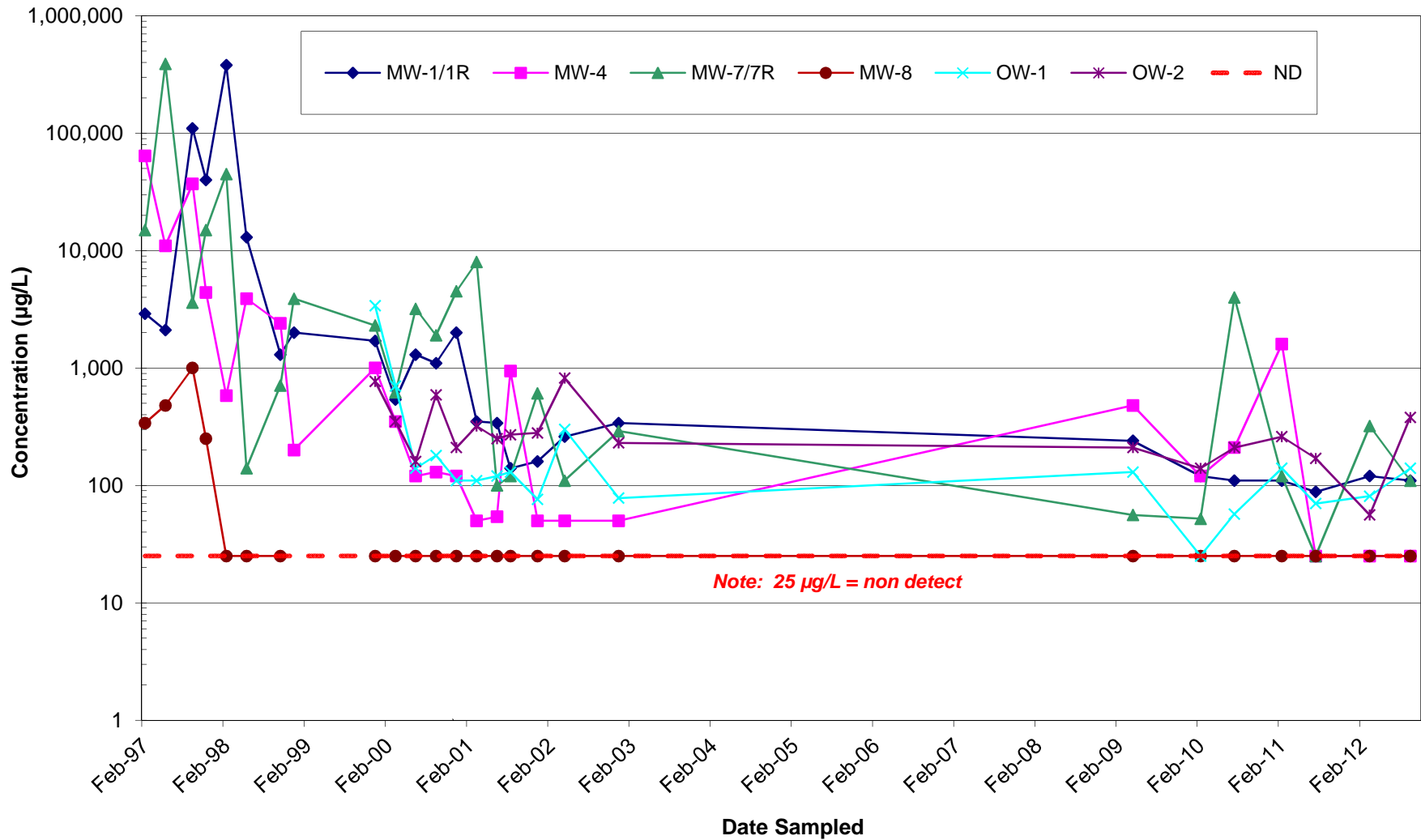


FIGURE C-3
Benzene versus Time
725 Julie Ann Way, Oakland, CA

