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By Alameda County Environmental Health 11:24 am, Aug 01, 2017

July 28, 2017

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

**Re: 2017 Groundwater Monitoring and Sampling Report
Former Penske Truck Leasing Facility
725 Julie Ann Way, Oakland, California
Alameda County Site ID R00000354
Stantec PN: 185702640.200.0003**

Dear Ms. Detterman:

Enclosed with this cover letter is the 2017 Groundwater Monitoring and Sampling Report prepared by Stantec 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



Stantec

Stantec Consulting Services Inc.

1340 Treat Boulevard, Suite 300, Walnut Creek CA 94597-7966

July 28, 2017
File: 185702858.200.0001

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

**Reference: 2017 Groundwater Monitoring and Sampling Report
Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354**

Dear Ms. Detterman:

Stantec Consulting Services Inc. (Stantec), on behalf of Penske Truck Leasing Company (Penske), has prepared this *2017 Groundwater Monitoring and Sampling Report* for the Former Penske Truck Leasing Facility (the Site) located at 725 Julie Ann Way in Oakland, California (see Figure 1). This report is submitted in response to Alameda County Environmental Health Services (ACEHS) May 24, 2017 letter requesting monitoring and sampling of Site wells. This report documents the results of the June 20, 2017 groundwater monitoring and sampling event that included the analytical regimen approved by ACEH in email correspondence on June 12, 2017. Regulatory correspondence referenced herein is included as Appendix A.

GROUNDWATER MONITORING AND SAMPLING PROCEDURES

Fourteen groundwater monitoring wells are associated with the Site (see Figure 2). Well construction details are presented on Table 1. Groundwater levels were measured by Blaine Tech Services, Inc. (Blaine Tech) on June 20, 2017. An oil/water interface probe graduated to 0.01 foot was used to evaluate the presence of free-phase product (none was observed). Field data sheets are included in Appendix B.

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



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**Reference: 2017 Groundwater Monitoring and Sampling Report
Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
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Prior to sampling, wells were purged using a diaphragm pump fitted with new, disposable tubing, except for wells MW-9 through MW-12. Because these are 1-inch-diameter wells, a peristaltic pump was used to purge the wells, with dedicated tubing for each well. Wells were purged of three casing volumes prior to sampling, except for wells MW-4 and -5, which dewatered prior to removal of three casing volumes. During purging, groundwater was periodically measured for pH, electrical conductivity, turbidity, and temperature, and visually inspected for color and the presence of free product.

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

Upon removal of the appropriate purge volume and recovery of the water column to at least 80 percent of the static level, samples were collected using the submersible or peristaltic pump. During purging and sampling, the pump intake was placed approximately 1 foot above the bottom of the well; these sampling depths are summarized in Table 1. Samples were collected into laboratory-supplied containers, stored cold, and delivered under chain-of-custody to SGS Accutest in Orlando, Florida. At the request of ACEHS, Stantec has summarized sample collection times relative to high and low tide times on Table 2.

ANALYTICAL PROGRAM

The groundwater samples were analyzed for the following constituents:

- Gasoline-range organics (GRO; carbon range C6 – C10) and total petroleum hydrocarbons as diesel (TPHd; carbon range C10 – C28) by United States Environmental Protection Agency (EPA) Method 8015C (TPHd analysis was performed with and without silica gel treatment);
- Benzene, toluene, ethylbenzene and xylenes (BTEX), and naphthalene by EPA Method 8260B; and
- Total dissolved solids (TDS) by SM2540 C-11.

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



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Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354

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

Current groundwater elevation data are summarized in Table 1, and a potentiometric surface map is presented on Figure 3.

June 2017 depth-to-groundwater measurements ranged from 4.06 to 5.95 feet below the top of casing, corresponding to a range of groundwater elevations of 5.74 to 6.58 feet relative to the NAVD 88 datum. No sheen or measurable free-phase product was observed in the wells during the June 2017 monitoring event. Groundwater flow direction was toward the west (Figure 3), which is consistent with historic groundwater flow directions that have been primarily to the west-northwest since 1991.

Groundwater Sample Analytical Results

June 2017 groundwater sample analytical results for VOCs, TPH, and TDS are summarized in Table 1, and fuel hydrocarbon constituents in groundwater are depicted on Figure 4. The following sections summarize groundwater analytical results.

TPHd

In June 2017, TPHd (with silica-gel cleanup) was reported in all 14 wells at concentrations ranging from 159 µg/L (MW-8) to 6,270 µg/L (MW-4).

TPHg

In June 2017, TPHg was reported above the LRL of 100 µg/L in only one well (OW-2) at a concentration of 120 µg/L.



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**Reference: 2017 Groundwater Monitoring and Sampling Report
Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
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BTEX and Naphthalene

In June 2017, BTEX compounds and naphthalene were not detected above laboratory reporting limits (LRLs).

TDS

TDS concentrations in the wells ranged from 613 to 3,360 milligrams per liter (mg/l).

CONCENTRATION TRENDS

The following is a summary of chemical concentration trends. Plots depicting concentration trends since 2009 (when groundwater monitoring at the Site was resumed following Fentons reagent treatment in 2000, and cessation of post-treatment monitoring in 2002) are included as Figures 5 through 7. These trend plots include wells for which there is a substantial sampling history (excluding wells MW-9 through MW-12, which were installed in 2015 and have been sampled twice). Historical concentration plots depicting data from February 1997 through June 2017 are included in Appendix D.

TPHd – A plot depicting TPHd concentrations since 2009 is included as Figure 5. TPHd concentrations on Figure 5 represent data generated following silica gel treatment. Table 1 represents both sets of TPHd data (samples processed with and without silica gel treatment) from the June 2017 sampling event.

- The reported TPHd concentrations for June 2017 are generally within historical ranges.
- Well MW-2 had reported concentrations of TPHd that were below LRLs for six consecutive sampling events (from July of 2011 to June of 2014). The June 2017 sample from this well reported TPHd at a concentration of 473 µg/L, which is consistent with historical data prior to 2011. Concentrations of TPHd in this well have generally remained low (below 200 µg/L) since Fentons treatment in 2000, except for 870 µg/L reported in wells MW-2 in February 2010.

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

- The reported TPHg concentrations for June 2017 have decreased to below LRLs for 13 of the 14 site wells (OW-1 is the exception with a concentration of 120 µg/L).



Reference: **2017 Groundwater Monitoring and Sampling Report**
 Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
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- ❑ The reported concentration of TPHg in OW-2 is low (120 µg/L) and is consistent with declining or stable concentration trends since 2009.
- ❑ June 2017 represents the first time (since beginning of monitoring in 1997) that TPHg in well MW-1/1R has decreased to below the LRL.

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

- ❑ Benzene concentrations continue to be below LRLs in 13 of 14 wells, and have declined to below LRLs in well MW-7R since the June 2014 sampling event.
- ❑ 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.

Naphthalene

- ❑ Naphthalene has not been detected in groundwater since analysis of this constituent began in April 2009.

DISCUSSION AND CONCLUSIONS

Project Status

This groundwater monitoring event was performed at the request of ACEHS, to provide an update on groundwater conditions beneath the Site. Penske has completed significant work at the Site to date, including tank removal, remediation of impacted soils using chemical oxidation, and several subsequent rounds of soil and groundwater investigation. Most recently, Penske installed monitoring wells MW-9 through MW-12 along the western Site boundary to evaluate potential interaction of shallow, perched groundwater with the drainage channel to the south, and completed a scoping ecological risk assessment to evaluate potential health risk to non-human receptors. That document (dated December 1, 2016) concluded that due to the small footprint of the drainage ditch south of the Site and the limited ecological resources present therein, quantifiable ecological impacts attributable to the Site are unlikely. At the request of ACEHS, Penske subcontracted with AECOM for technical review of the scoping ecological risk assessment. In their review letter dated July 10, 2017, AECOM generally concurred with Stantec's findings regarding potential ecological risk, and



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Alameda County Site ID RO0000354**

suggested several areas of clarification to the document in order to strengthen the technical arguments presented. This review letter was submitted to ACEHS on July 20, 2017, and revision of the scoping ecological risk assessment in accordance with AECOM's comments is currently being completed.

Following ACEHS's review of the revised scoping ecological risk assessment, Stantec and Penske request that the Site be granted regulatory closure under the Regional Water Quality Control Board's Low Threat Closure Policy.

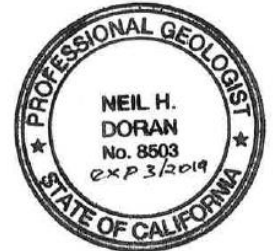
If you have any questions regarding this document, please contact the undersigned.

Regards,

STANTEC CONSULTING SERVICES INC.

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

List of Attachments

- | | |
|----------|--|
| Table 1 | Current Groundwater Elevation, Separate Phase Hydrocarbon, and VOC/TPH Analytical Data |
| Table 2 | Groundwater Sample Time Relative to Tidal Data |
| Figure 1 | Site Location Map |
| Figure 2 | Site Plan |
| Figure 3 | Groundwater Elevation Surface Contour Map – June 2017 |



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Figure 4 Fuel Hydrocarbon Constituents in Groundwater – June 2017
Figure 5 TPHd versus Time – April 2009 to June 2017
Figure 6 TPHg versus Time – April 2009 to June 2017
Figure 7 Benzene versus Time – April 2009 to June 2017

Appendix A Regulatory Correspondence
Appendix B Groundwater Sample Collection Logs
Appendix C Water Sample Laboratory Reports and Chain-of-Custody Records
Appendix D Concentration Plots – 1997 to 2017
Appendix E Historical Groundwater Analytical Data
Appendix F Historical Soil Analytical Data



TABLES

**Table 1
Groundwater Sample Analytical Results
Former Penske Truck Leasing Facility
725 Julie Ann Way, Oakland, California**

Well/Sample ID	Date Gauged	Well Elevation	Screen Interval	Depth To Water	LNAPL Observed	Groundwater Elevation	Sample Depth*	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Naphthalene	TDS
		(ft.)	(ft. bgs)	(ft. btoc)		(ft, msl)	(ft, btoc)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	mg/L
MW-1R	06/20/17	11.02	3.5 - 20	5.10	No	5.92	19	1,880 / 1,040^{a,b}	<100	<1.0	<1.0	<1.0	<3.0	<5.0	1,650
MW-2	06/20/17	11.87	10 - 30	5.95	No	5.92	29	1,010 / 473^{a,b}	<100	<1.0	<1.0	<1.0	<3.0	<5.0	613
MW-3	06/20/17	11.79	10 - 35	5.92	No	5.87	34	408 / 502 ^{a,b}	<100	<1.0	<1.0	<1.0	<3.0	<5.0	2,530
MW-4	06/20/17	10.88	6.5 - 33.5	5.02	No	5.86	32.5	5,250 / 6,270^a	<100	<1.0	<1.0	<1.0	<3.0	<5.0	3,230
MW-5	06/20/17	10.41	6 - 31	4.47	No	5.94	30	866 / 337^a	<100	<1.0	<1.0	<1.0	<3.0	<5.0	1,930
MW-6	06/20/17	11.05	15 - 25	5.25	No	5.80	24	632 / 371 ^a	<100	<1.0	<1.0	<1.0	<3.0	<5.0	663
MW-7R	06/20/17	10.84	3.5 - 20	5.07	No	5.77	19	2,300 / 2,560^a	<100	<1.0	<1.0	<1.0	<3.0	<5.0	2,620
MW-8	06/20/17	10.75	10 - 28	5.01	No	5.74	27	222 / 159 ^a	<100	<1.0	<1.0	<1.0	<3.0	<5.0	3,310
MW-8 (DUP-1)	06/20/17	--	--	--	--	--	--	277 / 201 ^c	<100	<1.0	<1.0	<1.0	<3.0	<5.0	3,360
MW-9	06/20/17	NS	4 - 8	4.70	No	--	7	1,220 / 1,410^{a,b}	<100	<1.0	<1.0	<1.0	<3.0	<5.0	1,230
MW-10	06/20/17	NS	4 - 8	4.17	No	--	7	1,460 / 2,090^{a,b,c}	<100	<1.0	<1.0	<1.0	<3.0	<5.0	1,160
MW-11	06/20/17	NS	4 - 8	4.06	No	--	7	1,930 / 2,610^{a,b,c}	<100	<1.0	<1.0	<1.0	<3.0	<5.0	1,270
MW-12	06/20/17	NS	4 - 8	4.11	No	--	7	1,170^b / 956^{a,b}	<100	<1.0	<1.0	<1.0	<3.0	<5.0	1,220
OW-1	06/20/17	10.75	6 - 16	4.17	No	6.58	15	3,290^b / 2,820^{a,b}	<100	<1.0	<1.0	<1.0	<3.0	<5.0	1,570
OW-2	06/20/17	11.03	6 - 16	4.48	No	6.55	15	5,760^b / 6,000^{a,b}	120	<1.0	<1.0	<1.0	<3.0	<5.0	1,620
QCEB	06/20/17	--	--	--	--	--	--	<51 / 144 ^a	<100	<1.0	<1.0	<1.0	<3.0	<5.0	<100
TB-1 ^d	06/20/17	--	--	--	--	--	--	--	<100	<1.0	0.73 ^e	<1.0	<3.0	--	--
SFRWQCB Aquatic Habitat Goals**	--	--	--	--	--	--	--	640	3,700	350	2,500	43	100	240	--

Notes

- ft. feet
- bgs below ground surface
- btoc below top of casing
- msl above mean sea level
- µg/L micrograms per liter
- LNAPL Light non-aqueous phase liquid
- NS Well not surveyed
- TDS Total dissolved solids
- TPH Total petroleum hydrocarbons
- a TPH extractable with Silica Gel Cleanup
- b Petroleum hydrocarbon pattern extends beyond C28.
- c Surrogate recovery outside control limits. Insufficient sample for reanalysis.
- d Sample vial(s) contained significant headspace; reported results are considered minimum values.
- e Indicates an estimated value.
- * Sample depths are approximate, based on pump intake placed 1 ft from bottom of well.
- ** San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Aquatic Habitat Goal for Saltwater - Table GW-2, February 2016.
- BOLD** Indicates the value exceeds the corresponding screening level
- 1,010 / 473** Result without silica gel cleanup / result with silica gel cleanup

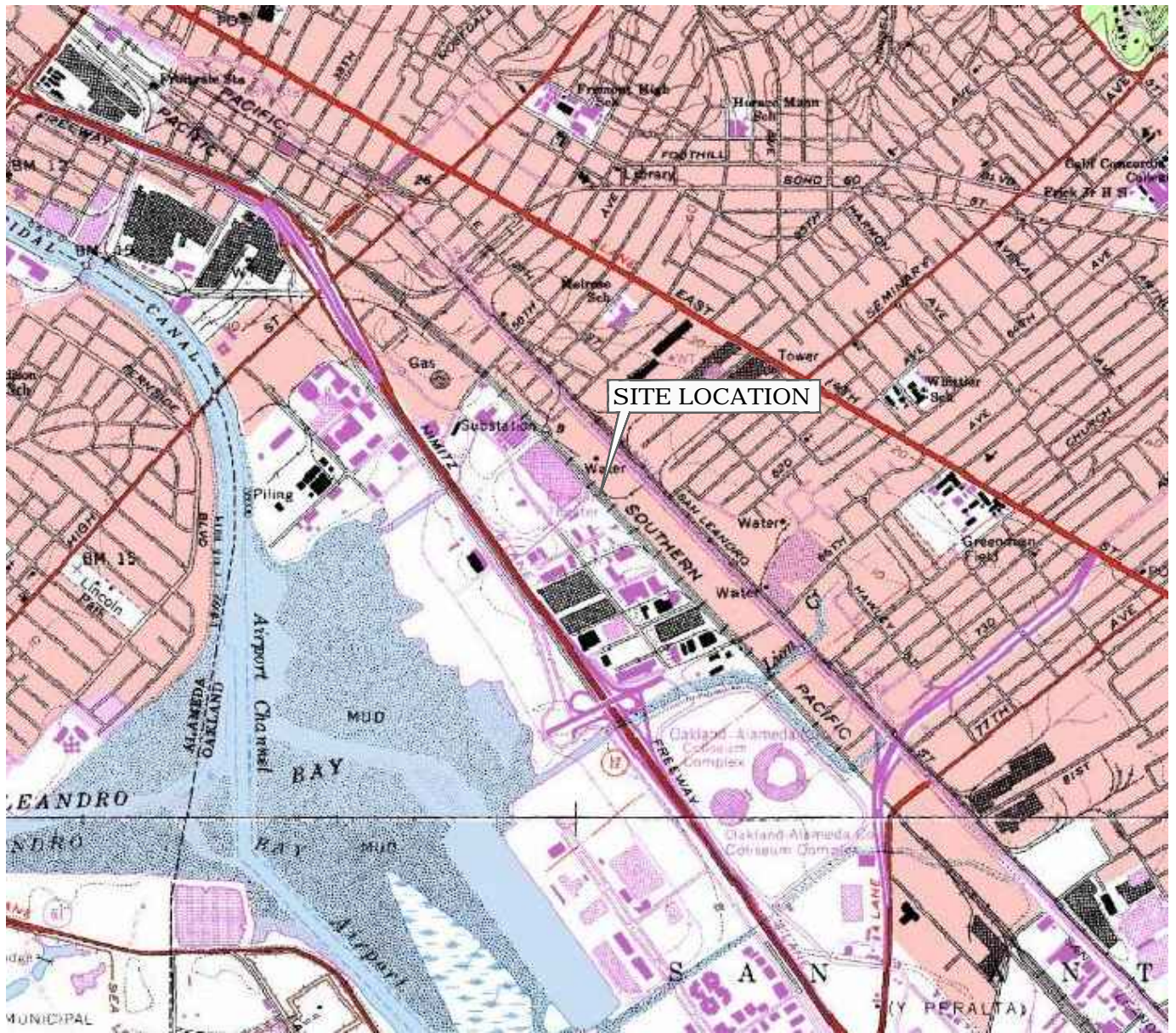
TABLE 2
GROUNDWATER SAMPLE TIME RELATIVE TO TIDAL DATA
 FORMER PENSKE TRUCK LEASING FACILITY
 725 Julie Ann Way, Oakland, California

Sample Location	Sample Date	High Tide Time ⁽¹⁾	Low Tide Time ⁽¹⁾	Sample Collection Time
Second Quarter 2017 Groundwater Sample Collection				
MW-1R	06/20/17	952	1452	840
MW-2	06/20/17	952	1452	818
MW-3	06/20/17	952	1452	846
MW-4	06/20/17	952	1452	821
MW-5	06/20/17	952	1452	851
MW-6	06/20/17	952	1452	825
MW-7	06/20/17	952	1452	827
MW-8	06/20/17	952	1452	833
MW-9	06/20/17	952	1452	852
MW-10	06/20/17	952	1452	840
MW-11	06/20/17	952	1452	847
MW-12	06/20/17	952	1452	905
OW-1	06/20/17	952	1452	903
OW-2	06/20/17	952	1452	832

(1) NOAA Tide Predictions, Oakland Inner Harbor, California, 2017
 Station ID: 9414764



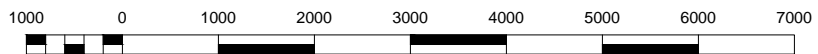
FIGURES



CALIFORNIA



SCALE IN MILE



SCALE IN FEET

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



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

FOR:

PENSKE
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE:

1

JOB NUMBER:

185702858.200.0001

DRAWN BY:

RRR/STA

CHECKED BY:

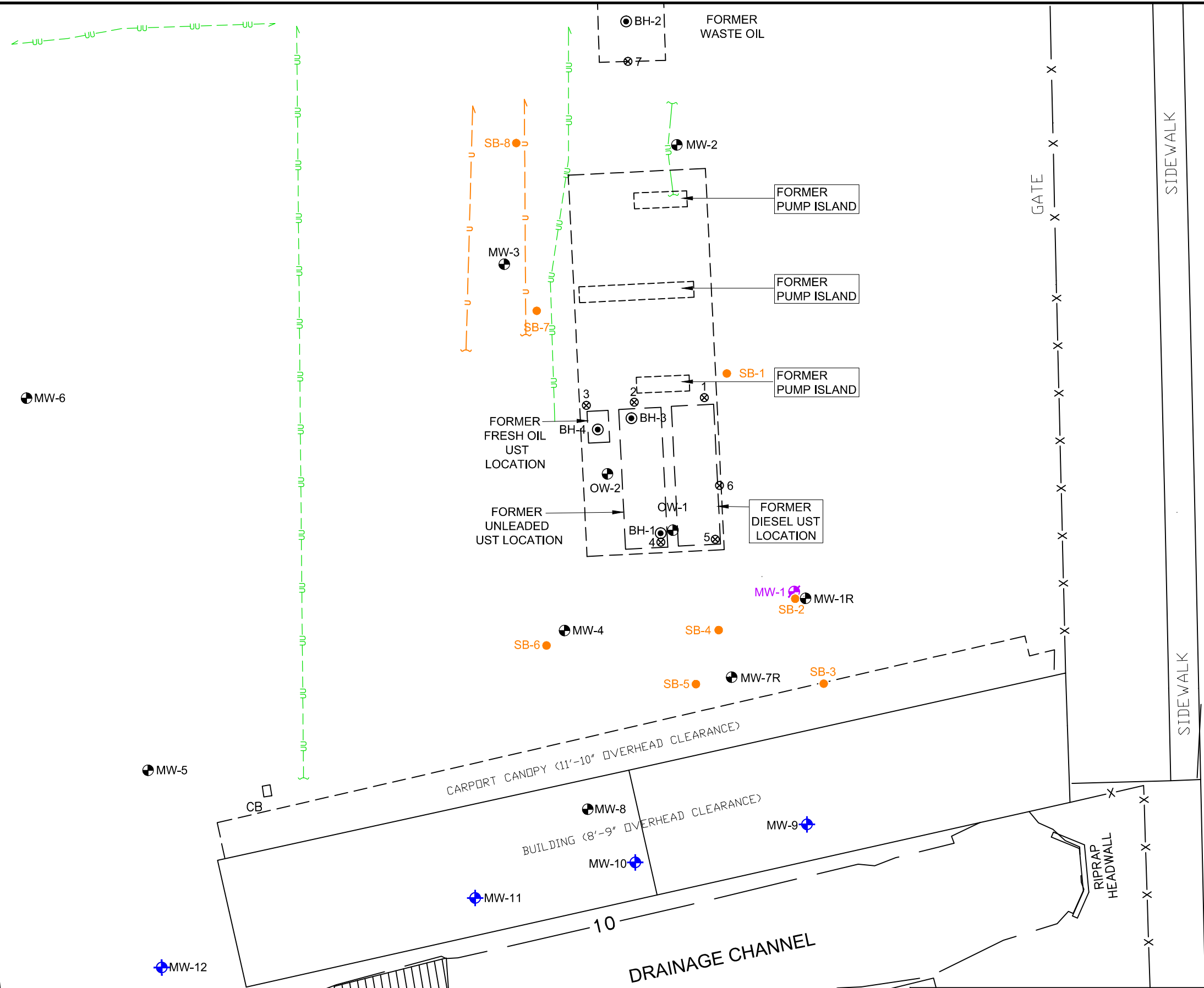
EH

APPROVED BY:

EH/GH/AM

DATE:

09/19/14

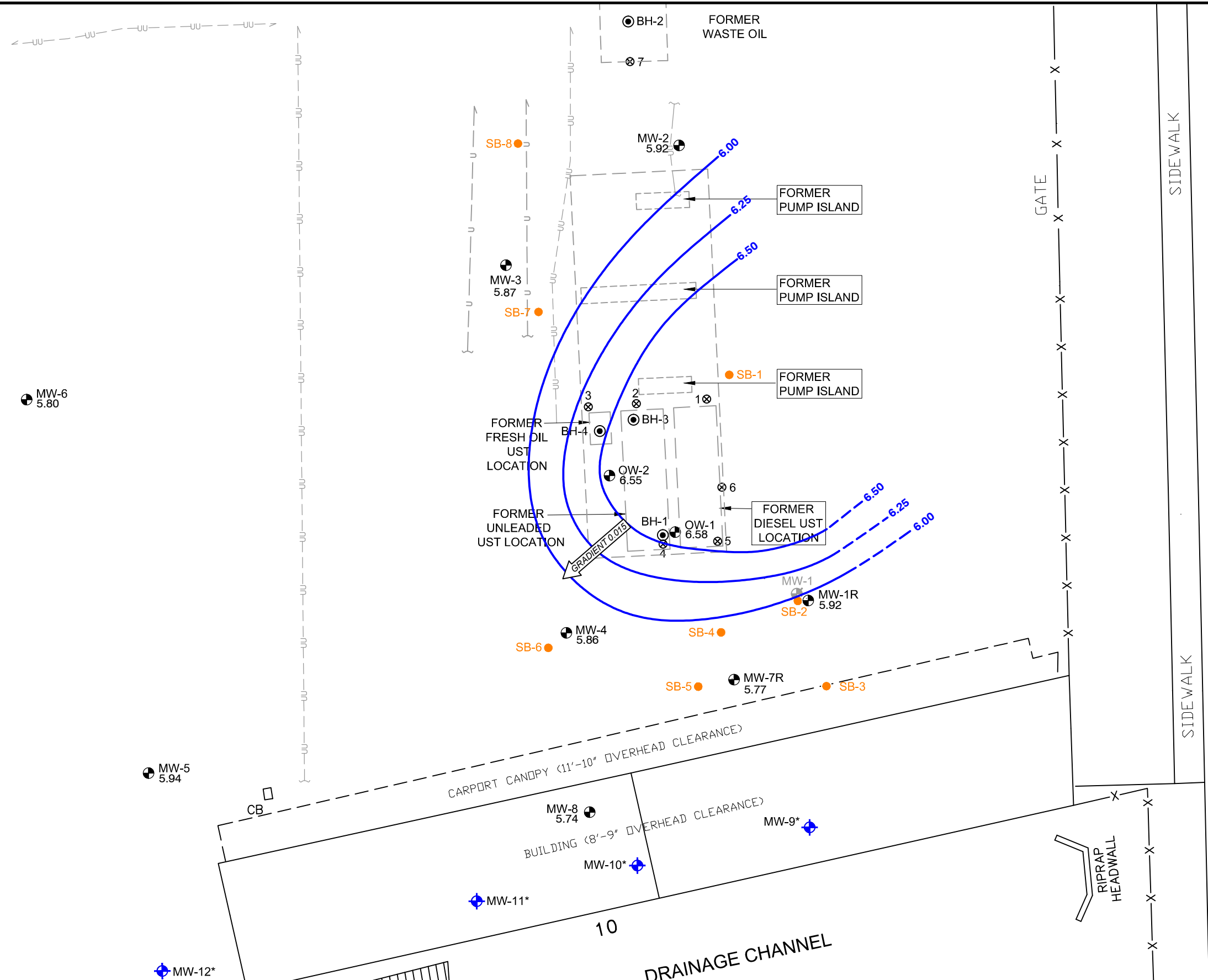


- LEGEND:**
- x — FENCE
 - [] APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
 - CB CATCH BASIN
 - SB-9 SOIL BORING GROUNDWATER SAMPLE LOCATION (JANUARY 2015)
 - EXISTING MONITORING WELL LOCATION
 - ABANDONED MONITORING WELL LOCATION
 - SOIL BORING LOCATION (2009)
 - ⊗ SOIL SAMPLE LOCATION (1989)
 - ⊙ SOIL BORING LOCATION (1990 & 1994)
 - ⊕ SHALLOW WELL JULY 2015 (TD = 8 ft bgs; SCREED 4 - 8 FT bgs)

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"
 ALL GROUND SPOT ELEVATIONS AND SURFACE CONTOURS BY MID COAST ENGINEERS - FIGURE 1 TITLED "TOPOGRAPHIC MAP FOR PENSKE" JOB#10018TP DATED DECEMBER 4, 2014
 SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88

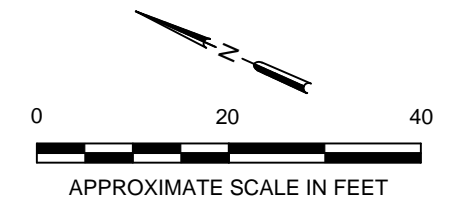
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	FOR: PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA		SITE PLAN		FIGURE: 2
	JOB NUMBER: 185702858.200.0001	DRAWN BY: STA	CHECKED BY: CEA	APPROVED BY: NHD	DATE: 07/13/17



- LEGEND:**
- x — FENCE
 - [] APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
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 - ⊙ ABANDONED MONITORING WELL LOCATION
 - SOIL BORING LOCATION (2009)
 - ⊗ SOIL SAMPLE LOCATION (1989)
 - ⊙ SOIL BORING LOCATION (1990 & 1994)
 - ⊕ SHALLOW WELL JULY 2015 (TD = 8 ft bgs; SCREED 4 - 8 FT bgs)
 - 5.92 GROUNDWATER ELEVATION (RELATIVE TO NAVD 88 DATUM)
 - 6.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
 - DATA NOT USED IN CONTOURING
 - ← GRADIENT 0.015 GROUNDWATER FLOW DIRECTION (APPROXIMATE) DIRECTION AND GRADIENT (FT/FT)

NOTES:
 1. GROUNDWATER MONITORING WELL SAMPLES COLLECTED ON JUNE 20, 2017.



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"
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 SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88

	FOR: PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA		GROUNDWATER ELEVATION SURFACE CONTOUR MAP JUNE 2017		FIGURE: 3
	JOB NUMBER: 185702858.200.0001	DRAWN BY: STA	CHECKED BY: CEA	APPROVED BY: NHD	DATE: 07/13/17

Analyte	MW-3
TDS	2,530
TPHd	408/502 ^{a,b}
TPHg	<100
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

Analyte	OW-2
TDS	1,620
TPHd	5,760/6,000 ^{a,b}
TPHg	120
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

Analyte	MW-6
TDS	663
TPHd	632/371 ^a
TPHg	<100
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

Analyte	MW-4
TDS	3,230
TPHd	5,250/6,270 ^a
TPHg	<100
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

Analyte	MW-5
TDS	1,930
TPHd	866/337 ^a
TPHg	<100
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

Analyte	MW-12
TDS	1,220
TPHd	1,170/956 ^{a,b}
TPHg	<100
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

Analyte	MW-11
TDS	1,270
TPHd	1,930/2,610 ^{a,b,c}
TPHg	<100
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

Analyte	MW-8
TDS	3,310
TPHd	222/159 ^a
TPHg	<100
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

Analyte	MW-7R
TDS	2,620
TPHd	2,300/2,560 ^a
TPHg	<100
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

Analyte	MW-9
TDS	1,230
TPHd	1,220/1,410 ^{a,b}
TPHg	<100
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

Analyte	MW-10
TDS	1,160
TPHd	1,460/2,090 ^{a,b,c}
TPHg	<100
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

Analyte	MW-2
TDS	613
TPHd	1,010/473 ^{a,b}
TPHg	<100
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

Analyte	OW-1
TDS	1,570
TPHd	3,290/2,820 ^{a,b}
TPHg	<100
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

Analyte	MW-1R
TDS	1,650
TPHd	1,880/1,040 ^{a,b}
TPHg	<100
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<3.0
Naphthalene	<5.0

LEGEND:

- x — FENCE
- [-] APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- CB CATCH BASIN
- SB-9 SOIL BORING GROUNDWATER SAMPLE LOCATION (JANUARY 2015)
- EXISTING MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL BORING LOCATION (2009)
- ⊗ SOIL SAMPLE LOCATION (1989)
- SOIL BORING LOCATION (1990 & 1994)
- ⊕ SHALLOW WELL JULY 2015 (TD = 8 ft bgs; SCREED 4 - 8 FT bgs)

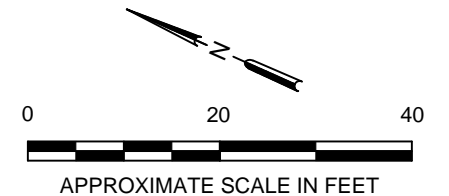
Analyte	UNIT
TDS	mg/L
TPHd	µg/L
TPHg	µg/L
Benzene	µg/L
Toluene	µg/L
Ethylbenzene	µg/L
Total Xylenes	µg/L
Naphthalene	µg/L

ABBREVIATIONS:

- mg/L = milligrams per liter
- µg/L = micrograms per liter
- TPHd = Total Petroleum Hydrocarbons as diesel
- TPHg = Total Petroleum Hydrocarbons as gasoline
- < = Indicates constituent not detected at or above specified reporting limit
- (a) = TPH Extractable with Silica Gel Cleanup
- (b) = Petroleum Hydrocarbon Pattern Extends beyond C28
- (c) = Surrogate recovery outside control limits. Insufficient sample for reanalysis.
- J = Estimated value
- 1,880/1,040 = TPHd Concentrations without and with Silica-Gel Cleanup.

NOTES:

1. GROUNDWATER MONITORING WELL SAMPLES COLLECTED ON JUNE 20, 2017.



No warranty is made by Stantec Consulting Services Inc. 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"
- ALL GROUND SPOT ELEVATIONS AND SURFACE CONTOURS BY MID COAST ENGINEERS - FIGURE 1 TITLED "TOPOGRAPHIC MAP FOR PENSKE" JOB#10018TP DATED DECEMBER 4, 2014
- SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88



FOR:
PENSKE
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

**FUEL HYDROCARBON
CONSTITUENTS IN GROUNDWATER
JUNE 2017**

FIGURE:
4

JOB NUMBER:
185702858.200.0001

DRAWN BY:
STA

CHECKED BY:
CEA

APPROVED BY:
NHD

DATE:
07/13/17

FIGURE 5
TPHd versus Time - 2009 to 2017
725 Julie Ann Way, Oakland, CA

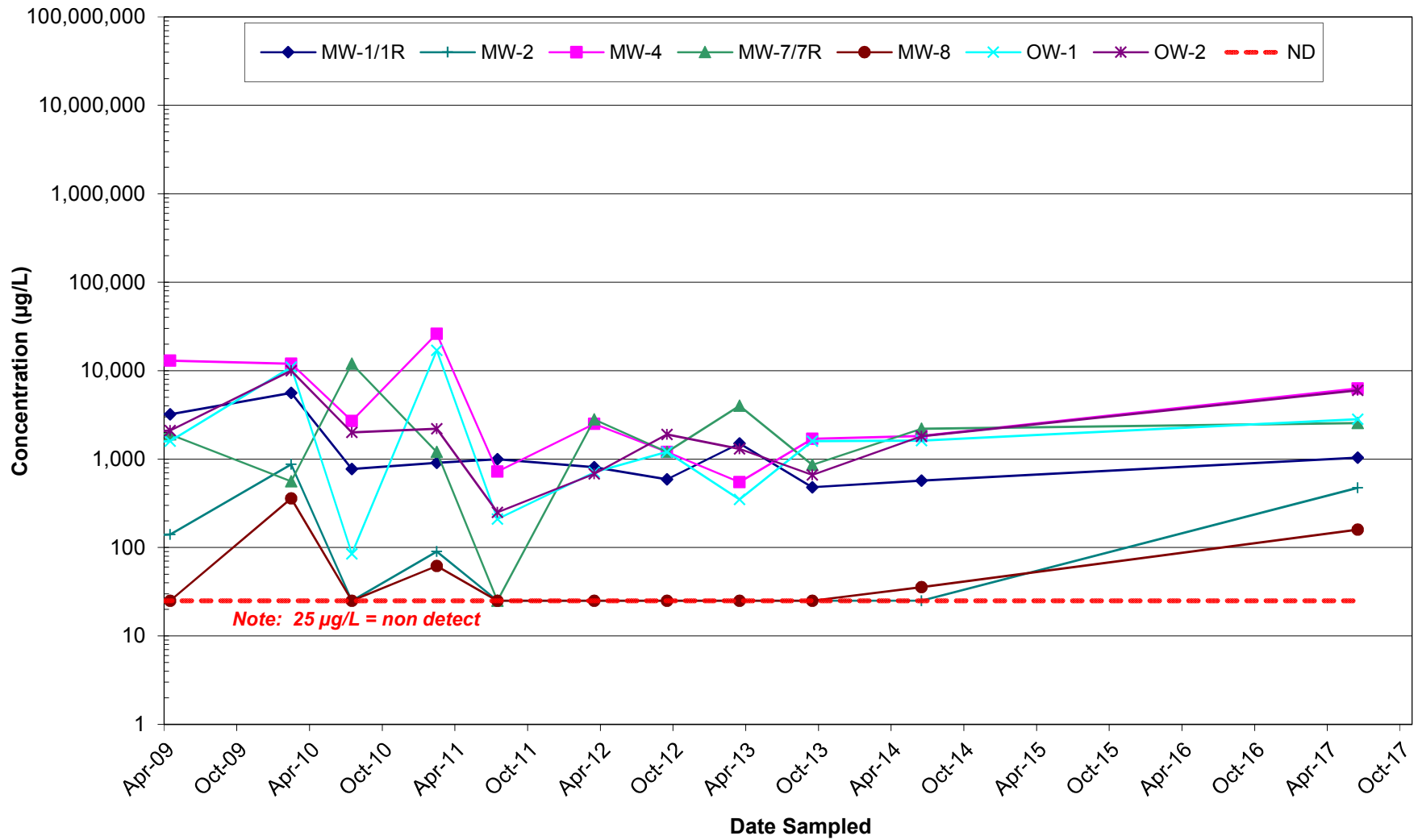


FIGURE 6
TPHg versus Time- 2009-2017
725 Julie Ann Way, Oakland, CA

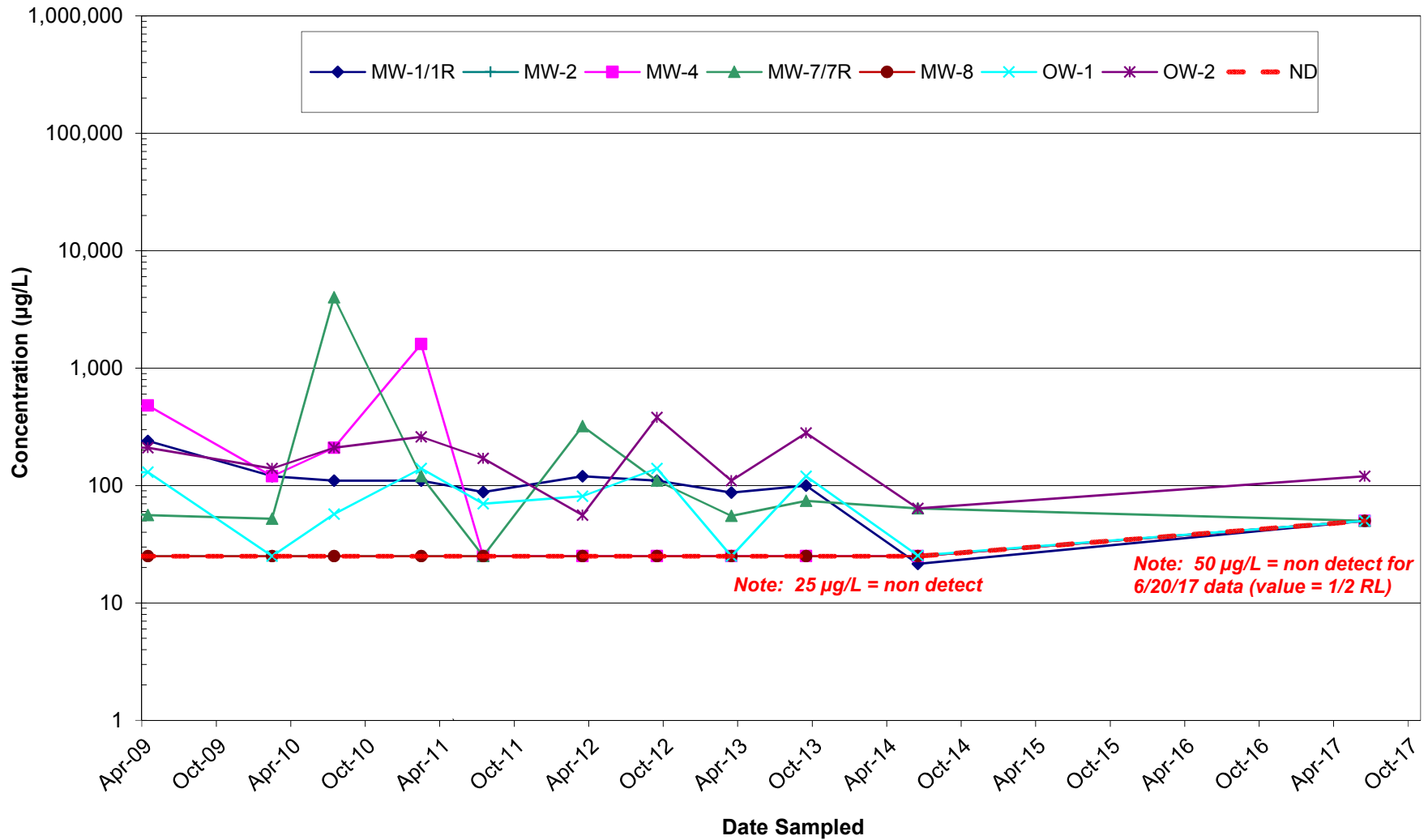
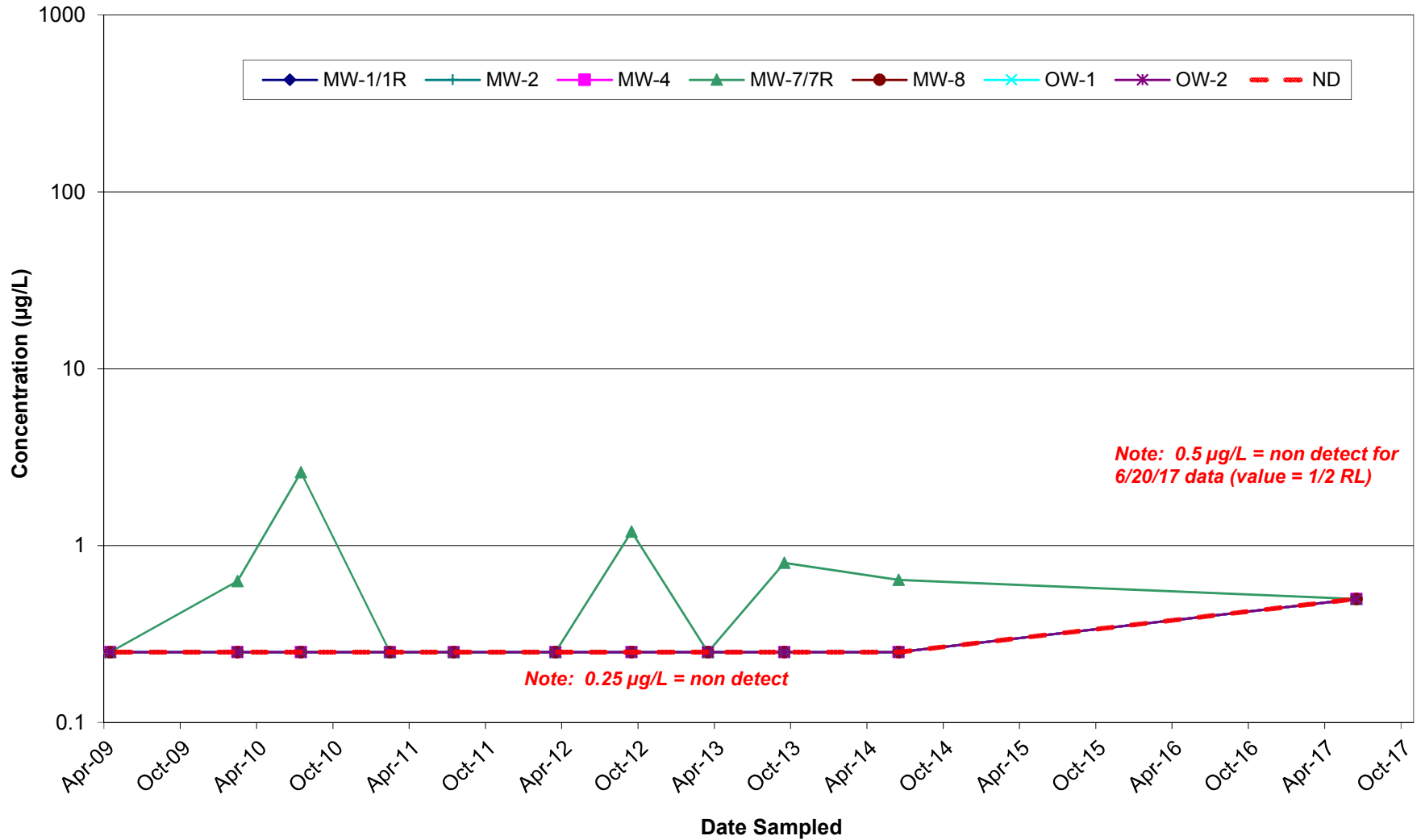


FIGURE 7
Benzene versus Time - 2009-2017
725 Julie Ann Way, Oakland, CA





APPENDIX A

Regulatory Correspondence



May 24, 2017

Mr. Chris Hawk
Penske Truck Leasing
10 Green Hills, P.O. Box 7635
Reading, PA 19603-7635 (Sent via e-mail to: Christopher.Hawk@penske.com)

Subject: Fuel Leak Case RO354 - Hertz-Penske, Geotracker Global ID TO600101062, 725 Julie Ann Way, Oakland, CA 94621

Hello Chris:

Thank you for submitting to Alameda County Department of Environmental Health (ACDEH) the December 1, 2016 *Scoping Ecological Risk Assessment*, prepared and submitted by Stantec on your behalf. As described in the June 10, 2016 Directive Letter, total petroleum hydrocarbons (TPH) as gasoline was detected at concentrations of 1,700 and 890 micrograms per liter (ug/l) in grab groundwater samples SB-12 and SB-13, respectively and TPH as diesel (TPHd) was detected at concentrations of 3,600 and 2,170 ug/l in groundwater samples collected from new monitoring wells MW-10 and MW-12, respectively. The TPHg concentrations exceed the updated San Francisco Bay Regional Water Quality Control Board's lower aquatic habitat Environmental Screening Levels (ESLs) Version 3 (published in February 2016) of 440 ug/L for TPHg and 640 ug/L for TPHd. The borings and monitoring wells from which these samples were collected are located within approximately 10 feet of the top of the eastern bank of an Alameda County Flood Control drainage channel which flows to Seminary Creek and the San Francisco Bay. Given the close proximity of the monitoring well and boring locations to the earthen drainage ditch bank, there is a reasonable potential for direct-exposure of aquatic biota to the elevated TPHd and TPHg concentrations. Based on ACDEH staff review of the case file and the referenced report ACDEH requests that you address the following technical comments and send us the documents requested below.

TECHNICAL COMMENTS

1. **Request for Third Party Review of Risk Assessment:** ACDEH's staff does not include a toxicologist. Consequently, as mentioned in our June 10, 2016 Directive Letter, we request that you submit the *Scoping Ecological Risk Assessment* to one of the ACDEH-approved third party reviewers for review. Please submit correspondence prepared by one of the two ecological risk assessors summarizing the findings of their review of the *Scoping Ecological Risk Assessment* by the date requested below. The two following ecological risk assessors were recommended to ACDEH by Ms. Ute Hellmann-Blumberg of the California Department of Toxic Substances Control (DTSC).
 - a. Usha Vedagiri, AECOM, Oakland, CA, Phone 510-874-3123 E-mail: usha.vedagiri@aecom.com
 - b. Mala Pattanayek, Integral Corporation, Petaluma, CA, Phone: 415-393-4750 E-mail: mpattanayek@integral-corp.com
2. **Request for Groundwater Monitoring Well Monitoring and Sampling:** The wet winter 2016-2017 in the San Francisco Bay Area affected groundwater elevations and groundwater quality at most if not all cases. ACDEH requests that you monitor and sample all site groundwater monitoring wells and provide a *Groundwater Monitoring and Sampling Report* by the date requested below.

3. **Electronic Submittal of Information (ESI) Compliance** - A review of the case file and the State's GeoTracker database indicates that the site is not in compliance with California Code of Regulations, Title 23, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1, stating that beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the UST or LUST program, must be transmitted electronically to the SWRCB GeoTracker system via the internet. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs, including the Site Cleanup Program (SCP) cases. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites was required in GeoTracker. At present missing data and documents include, but may not be limited to:
- analytical data for soil, water and vapor samples collected for the purpose of subsurface investigation or remediation, including influent/effluent water samples from remediation systems (EDF files);
 - complete copies of reports, in pdf format, including the signed transmittal letter and professional certification (GEO_REPORT files);
 - surveyed elevation measurements to the top of well casings (GEO_Z files);
 - the latitude and longitude (GEO_XY files) of any permanent monitoring well for which data is reported in EDF format;
 - depth-to-water information for permanent sampling points whenever the data is collected, even if the well is not sampled during the sampling event (GEO_WELL files);
 - stand alone site maps displaying tank locations, streets bordering the facility, and sampling locations for all soil, water and vapor samples (GEO_MAP files);
 - stand alone boring logs with depth to the screened interval and the length of screened interval for any permanent monitoring well installed (GEO_BORE files);
 - Please upload the missing documents and soil and groundwater analytical data to GeoTracker. See Attachment 1 and the State's GeoTracker website for further details. ACDEH requests e-mail notification of, and a list of, the documents uploaded to Geotracker. Please upload all submittals to GeoTracker and to ACDEH's ftp website by the date specified below.

TECHNICAL REPORT REQUEST

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

- **June 30, 2017 – Groundwater Monitoring and Sampling Report**
File to be named: RO354_GWM_R_yyyy-mm-dd
- **June 30, 2017 – Notification of Upload of Electronic Data Submittals to Geotracker**
E-mail notification to: karel.detterman@acgov.org
- **July 28, 2017 – Correspondence Documenting Findings of the Third Party Review of the *Scoping Ecological Risk Assessment***
File to be named: RO354_CORRES_L_yyyy-mm-dd

Mr. Chris Hawk
RO0000354
May 24, 2017, Page 3

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request. Online case files are available for review at the following website: <http://www.acgov.org/aceh/lop/ust.htm>

SUBMITTAL ACKNOWLEDGEMENT STATEMENT

Please note that ACDEH has updated Attachment 1 regarding report submittals to ACDEH. ACDEH will now require a Submittal Acknowledgement Statement, replacing the Perjury Statement, as a cover letter signed by the Responsible Party. The language for the Submittal Acknowledgement Statement is as follows:

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's Geotracker Website. Please make this change to your submittals to ACDEH.

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please send me an e-mail message at karel.detterman@acgov.org or call me at (510) 567- 6708.

Sincerely,

Karel Detterman, PG
Hazardous Materials Specialist

Enclosures: Attachment 1 - Responsible Party(ies) Legal Requirements/Obligations ACEH Electronic Report Upload (ftp) Instructions

cc: Eva Hey, Stantec Consulting Services, Inc., 1340 Treat Boulevard, Suite 300 Walnut Creek, CA 94597-7966 (Sent via E-mail to: eva.hey@stantec.com)
Neil Doran, P.G., Stantec, (Sent via E-mail to: neil.doran@stantec.com)
Linda Mortensen, Stantec, (Sent via E-mail to: linda.mortensen@stantec.com)
Patrick Vaughan, Stantec, (Sent via E-mail to: patrick.vaughan@stantec.com)

Dilan Roe, ACEH (Sent via E-mail to: dilan.roe@acgov.org)
Karel Detterman, ACEH (Sent via E-mail to: karel.detterman@acgov.org)
Paresh Khatri, ACDEH, (Sent via E-mail to: paresh.khatri@acgov.org)
Electronic File, GeoTracker

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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

ELECTRONIC SUBMITTAL OF REPORTS

Alameda County Department of Environmental Health's (ACDEH) Environmental Cleanup Oversight Programs, Local Oversight Program (LOP) and Site Cleanup Program (SCP) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program File Transfer Protocol (FTP) site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and [other](#) data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to SCP sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/) for more information on these requirements.

ACKNOWLEDGEMENT STATEMENT

All work plans, technical reports, or technical documents submitted to ACDEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6731, 6735, and 7835) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately licensed or certified professional. For your submittal to be considered a valid technical report, you are to present site-specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this case meet this requirement. Additional information is available on the Board of Professional Engineers, Land Surveyors, and Geologists website at: <http://www.bpelsg.ca.gov/laws/index.shtml>.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, late reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)	REVISION DATE: December 1, 2016
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010; May 15, 2014, November 29, 2016
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions


The Alameda County Environmental Cleanup Oversight Programs (LOP and SCP) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection.**
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

- 1) Obtain User Name and Password
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to deh.loptoxic@acgov.org.
 - b) In the subject line of your request, be sure to include "**ftp PASSWORD REQUEST**" and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
 - a) Open File Explorer using the Windows  key + E keyboard shortcut.
 - i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
 - b) On the address bar, type in ftp://alcoftp1.acgov.org.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive)
 - d) Click Log On.
 - e) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - f) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

Doran, Neil

From: Hey, Eva
Sent: Friday, June 16, 2017 5:41 PM
To: Doran, Neil
Subject: FW: RO354 Request for Extension for Fuel Leak Case RO354 - Hertz-Penske, Geotracker Global ID TO600101062, 725 Julie Ann Way, Oakland, CA 94621
Attachments: Attachment_1_and_ftpUploadInstructions_2016-12-15.pdf

From: Detterman, Karel, Env. Health [mailto:Karel.Detterman@acgov.org]
Sent: Monday, June 12, 2017 3:52 PM
To: Hey, Eva <Eva.Hey@stantec.com>
Cc: Hawk, Christopher (Penske) (Christopher.Hawk@penske.com) <Christopher.Hawk@penske.com>; Khatri, Paresh, Env. Health <paresh.khatri@acgov.org>; Roe, Dilan, Env. Health <Dilan.Roe@acgov.org>
Subject: RE: RO354 Request for Extension for Fuel Leak Case RO354 - Hertz-Penske, Geotracker Global ID TO600101062, 725 Julie Ann Way, Oakland, CA 94621

Hello Eva:

Alameda County Department of Environmental Health (ACDEH) agrees with the proposed groundwater sample analytes and requests the addition of the following:

1. Analysis for naphthalene by EPA8260B;
2. Note the times of high and low tides and the sample times as shown on Table 3 of Stantec's February 3, 2016 *Shallow Well Installation and Sampling Report Addendum*;
3. Note the depth of groundwater sample collection in each well.

Thank you for requesting an extension for the groundwater monitoring and sampling report. The report due date has been extended as follows:

REVISED TECHNICAL REPORT REQUEST

Please submit the following documents to Alameda County Department of Environmental Health (Attention: Karel Detterman) and Geotracker, according to the following schedule:

- **July 28, 2017 – Groundwater Monitoring and Sampling Report**
File to be named: RO354_GWM_R_yyyy-mm-dd

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

Thank you,

Karel Detterman, PG
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

Direct: 510.567.6708
Fax: 510.337.9335
Email: karel.detterman@acgov.org

PDF copies of case files can be downloaded at:

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

From: Hey, Eva [<mailto:Eva.Hey@stantec.com>]
Sent: Monday, June 12, 2017 9:58 AM
To: Detterman, Karel, Env. Health <Karel.Detterman@acgov.org>
Cc: Hawk, Christopher (Penske) (Christopher.Hawk@penske.com) <Christopher.Hawk@penske.com>; Hey, Eva <Eva.Hey@stantec.com>
Subject: RO354 Request for Extension

Good morning Karel,

We have contacted Blaine Tech to perform the groundwater sampling you requested. Their first available date was June 20, 2017.

We are requesting a 3-week extension of the submittal date for the Groundwater Monitoring and Sampling Report and the Notification of Upload of Electronic Data Submittals to Geotracker. The requested extension date is July 21, 2017.

Eva

Eva Hey

Geologic Consultant
Stantec
1340 Treat Boulevard Suite 300, Walnut Creek CA 94597-7966
Phone: (925) 296-2101
Cell: (925) 464-6961
Fax: (925) 941-1401
Eva.Hey@stantec.com



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Please consider the environment before printing this email.

From: Hey, Eva
Sent: Friday, June 02, 2017 3:18 PM
To: Detterman, Karel, Env. Health <Karel.Detterman@acgov.org>
Cc: Hawk, Christopher (Penske) (Christopher.Hawk@penske.com) <Christopher.Hawk@penske.com>; Hey, Eva <Eva.Hey@stantec.com>
Subject: RE: ACDEH Correspondence RO354 - Penske 725 Julie Ann Way, Oakland

Hi Karel,

We are planning the groundwater monitoring event for later this month and want to confirm the analytical parameters required. We are proposing the following for groundwater samples analysis based on the project history:

- ❑ TPH-DRO (C10-C28) by USEPA Method 8015M with and without silica gel treatment;
- ❑ TPH-GRO (C6-C10) and BTEX by USEPA Method 8260B;
- ❑ Total Dissolved Solids (TDS) by USEPA Method SM2540 C-97.

Let me know,

Eva

Eva Hey

Geologic Consultant
Stantec
1340 Treat Boulevard Suite 300, Walnut Creek CA 94597-7966
Phone: (925) 296-2101
Cell: (925) 464-6961
Fax: (925) 941-1401
Eva.Hey@stantec.com



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 Please consider the environment before printing this email.

From: dehloptoxic, Env. Health [<mailto:deh.loptoxic@acgov.org>]
Sent: Thursday, May 25, 2017 8:31 AM
To: Hawk, Christopher (Penske) (Christopher.Hawk@penske.com) <Christopher.Hawk@penske.com>
Cc: Hey, Eva <Eva.Hey@stantec.com>; Doran, Neil <Neil.Doran@stantec.com>; Mortensen, Linda <Linda.Mortensen@stantec.com>; Vaughan, Patrick <Patrick.Vaughan@stantec.com>; Roe, Dilan, Env. Health <Dilan.Roe@acgov.org>; Detterman, Karel, Env. Health <Karel.Detterman@acgov.org>; Khatri, Paresh, Env. Health <paresh.khatri@acgov.org>
Subject: ACDEH Correspondence RO354

Dear Interested Parties,

Attached is Alameda County Department of Environmental Health's (ACDEH) correspondence for your case, RO0000354

Please add our email address to your book to prevent future e-mails from being filtered as spam.

Sincerely,

ACDEH



APPENDIX B

Groundwater Sample Collection Logs

WELL GAUGING DATA

Project # 170620-CR1

Date 6/20/17

Client Startec

Site 725 Julie Ann Way Oakland, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1R	0840	2					5.10	19.50		
MW-2	0818	4					5.95	29.02		
MW-3	0846	4					5.92	33.20		
MW-4	0821	4					5.02	33.18		
MW-5	0851	4					4.47	30.87		
MW-6	0825	4					5.25	24.22		
MW-7R	0827	2	odor				5.07	19.41		
MW-8	0833	4					5.01	26.23		
MW-9	0852	1					4.70	7.45		
MW-10	0840	1	odor				4.17	7.44		
MW-11	0847	1	odor				4.06	7.54		
MW-12	0905	1					4.11	7.57		
OW-1	0903	4					4.17	14.27		
OW-2	0832	4					4.48	14.43	↓	

WELL MONITORING DATA SHEET

Project #: 170620-CR1	Client: Stantech
Sampler: Y. Fajardo	Date: 6/20/17
Well I.D.: MW-7R MW-1R	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 17.91 19.50	Depth to Water (DTW): 5.07 5.10
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.94	

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

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

$$\frac{2.30 \text{ (Gals.)} \times 3 \text{ Specified Volumes}}{1 \text{ Case Volume}} = 6.90 \text{ Gals. Calculated Volume}$$

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1357	22.0	7.53	2581	70	2.30	clear
1400	21.6	7.84	2674	60	4.60	"
1403	22.1	7.91	2740	55	6.90	"

Did well dewater? Yes No Gallons actually evacuated: 6.90

Sampling Date: 6/20/17 Sampling Time: 1400 Depth to Water: 7.00

Sample I.D.: ~~MW-7R~~ MW-1R Laboratory: Accutest

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

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

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

D.O. (if req'd):	Pre-purge:	0.40 mg/L	Post-purge:	0.22 mg/L
O.R.P. (if req'd):	Pre-purge:	_____ mV	Post-purge:	_____ mV

WELL MONITORING DATA SHEET

Project #: 170620-CR1	Client: <u>Stater</u>
Sampler: <u>Colin Rowland</u>	Date: <u>6/20/17</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>33.20</u>	Depth to Water (DTW): <u>5.92</u>
Depth to Free Product: <u>-</u>	Thickness of Free Product (feet): <u>-</u>
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]: <u>11.38</u>	

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

<u>17.7</u> (Gals.) X	<u>3</u>	= <u>53.1</u> Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	<u>0.65</u>
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1205	21.7	7.28	4096	93	17.7	clear
1208	21.8	7.13	4337	10	39.4	
1212	21.9	7.05	4746	9	53.1	↓

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>53.1</u>
Sampling Date: <u>6/20/17</u> Sampling Time: <u>1220</u> Depth to Water: <u>8.26</u>	
Sample I.D.: <u>MW-3</u> Laboratory: <u>Accutest</u>	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: <u>See COC</u>	
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: <u>0.96</u> mg/L Post-purge: <u>2.23</u> mg/L	
O.R.P. (if req'd): Pre-purge: <u>—</u> mV Post-purge: <u>—</u> mV	

WELL MONITORING DATA SHEET

Project #: 170620-CR1	Client: Stantec
Sampler: Colin Rowland	Date: 6/20/17
Well I.D.: MW-5	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 30.87	Depth to Water (DTW): 4.47
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.75	

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: _____
--	--	---

$\frac{17}{1} \text{ (Gals.)} \times \frac{3}{\text{Specified Volumes}} = \text{Calculated Volume}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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	
1048	22.7	6.70	3278	372	17	grayish brown	
1049	well dewatered at 18 gallons						
1055	23.1	6.91	3426	455	grab	grayish brown	

Did well dewater? Yes No Gallons actually evacuated: **19**

Sampling Date: **6/20/17** Sampling Time: **1055** Depth to Water: **9.03**

Sample I.D.: **MW-5** Laboratory: **Accutest**

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **see 10C**

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

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

D.O. (if req'd):	Pre-purge:	1.45 mg/L	Post-purge:	0.98 mg/L
O.R.P. (if req'd):	Pre-purge:	— mV	Post-purge:	— mV

WELL MONITORING DATA SHEET

Project #: 170620-CR1	Client: Stantec
Sampler: Colin Rowland	Date: 6/20/17
Well I.D.: MW-6	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 24.22	Depth to Water (DTW): 5.25
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]: 9.04	

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: _____

123 (Gals.) X 3 = 36.9 Gals.
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	<u>0.65</u>
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
1358	21.9	7.13	6876	217	12.3	high brown
1400	21.1	6.99	7431	101	24.6	cloudy
1403	20.9	6.97	7420	59	36.9	cloudy

Did well dewater? Yes No Gallons actually evacuated: 36.9

Sampling Date: 6/20/17 Sampling Time: 1410 Depth to Water: 7.02

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

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

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

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

D.O. (if req'd): Pre-purge: 0.87 mg/L Post-purge: 0.50 mg/L

O.R.P. (if req'd): Pre-purge: — mV Post-purge: — mV

WELL MONITORING DATA SHEET

Project #: 170620-CR1	Client: StanTan
Sampler: Y. Fajardo	Date: 6/20/17
Well I.D.: MW-10	Well Diameter: 2 3 4 6 8 <u>10</u>
Total Well Depth (TD): 7.44	Depth to Water (DTW): 4.17
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]: 4.82	

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: _____

$\frac{.13 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{.39 \text{ Gals.}}{\text{Calculated Volume}}$	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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
1211	21.0	6.47	2016	209	.13	light gray water
1214	20.2	6.47	1948	200	.26	"
1217	19.9	6.47	1928	188	.39	"

Did well dewater? Yes No Gallons actually evacuated: 0.39

Sampling Date: 6/20/17 Sampling Time: 1220 Depth to Water: 4.65

Sample I.D.: MW-10 Laboratory: ACCUTEST

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

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

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

D.O. (if req'd):	Pre-purge: 0.95 mg/L	Post-purge: 0.41 mg/L	
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV	

WELL MONITORING DATA SHEET

Project #: 170620- 7F ^{4F} CR1	Client: Stantec
Sampler: Y. Fajardo	Date: 6/20/16
Well I.D.: MW-12	Well Diameter: 2 3 4 6 8 <u>10</u>
Total Well Depth (TD): 7.57	Depth to Water (DTW): 4.11
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]: 4.80	

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: _____

0.14 (Gals.) X 3 = 0.42 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
1015	21.1	6.47	1588	20.4	0.14	Clear
1018	20.7	6.48	1592	19.9	0.28	"
1021	20.2	6.49	1597	17.8	0.42	"

Did well dewater? Yes No Gallons actually evacuated: ~~0.42~~^{VF} 0.42

Sampling Date: 6/20/16 Sampling Time: 1024 Depth to Water: 4.69

Sample I.D.: MW-12 Laboratory: Accutest

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): ~~See COC~~^{OR}

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

D.O. (if req'd):	Pre-purge: 2.44 mg/L	Post-purge: 1.26 mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

WELLHEAD INSPECTION CHECKLIST

Date 6/20/17 Client Stantec

Site Address 725 Julie Ann Way Oakland, CA

Job Number 170620-CR1 Technician Colin Rowland, Yoni Fajardo

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1A	X							
MW-2	X							
MW-3							X	
MW-4							x	
MW-5							X	
MW-6							X	
MW-7R	X							
MW-8	X						X	
MW-9	X							
MW-10	X							
MW-11	X							
MW-12	X							
OW-1	X							
OW-2	X							

NOTES: MW-4: 2/2 bolts missing, MW-8: 2/2 tabs stripped
MW-3: well box filled with mud, MW-5: well box filled with mud
MW-6: 2/2 bolts missing

APPENDIX C

Water Sample Laboratory Reports and Chain-of-Custody Records

Technical Report for

Penske Truck Leasing Co, LP

**T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA
4871**

SGS Accutest Job Number: FA45185

Sampling Date: 06/20/17

Report to:

**Stantec
1340 Treat Blvd Suite 300
Walnut Creek, CA 94597
Eva.Hey@stantec.com; christopher.hawk@penske.com;
Neil.Doran@stantec.com
ATTN: Eva Hey**

Total number of pages in report: 123



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

**Caitlin Brice, M.S.
General Manager**

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), IL(200063), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(L-A-B L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AK, AR, GA, IA, KY, MA, NV, OK, OR, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

Penske Truck Leasing Co, LP

Job No: FA45185

T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA
 Project No: 4871

Sample Number	Collected		Matrix Code	Type	Client Sample ID
	Date	Time By			
FA45185-1	06/20/17	10:18 CRYF	06/22/17	AQ Ground Water	MW-2
FA45185-1A	06/20/17	10:18 CRYF	06/22/17	AQ Ground Water	MW-2
FA45185-2	06/20/17	12:20 CRYF	06/22/17	AQ Ground Water	MW-3
FA45185-2A	06/20/17	12:20 CRYF	06/22/17	AQ Ground Water	MW-3
FA45185-3	06/20/17	11:40 CRYF	06/22/17	AQ Ground Water	MW-4
FA45185-3A	06/20/17	11:40 CRYF	06/22/17	AQ Ground Water	MW-4
FA45185-4	06/20/17	10:55 CRYF	06/22/17	AQ Ground Water	MW-5
FA45185-4A	06/20/17	10:55 CRYF	06/22/17	AQ Ground Water	MW-5
FA45185-5	06/20/17	14:06 CRYF	06/22/17	AQ Ground Water	MW-1R
FA45185-5A	06/20/17	14:06 CRYF	06/22/17	AQ Ground Water	MW-1R
FA45185-6	06/20/17	14:10 CRYF	06/22/17	AQ Ground Water	MW-6
FA45185-6A	06/20/17	14:10 CRYF	06/22/17	AQ Ground Water	MW-6
FA45185-7	06/20/17	14:32 CRYF	06/22/17	AQ Ground Water	MW-7R



Sample Summary

(continued)

Penske Truck Leasing Co, LP

Job No: FA45185

T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA
 Project No: 4871

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA45185-7A	06/20/17	14:32 CRYF	06/22/17	AQ	Ground Water	MW-7R
FA45185-8	06/20/17	14:45 CRYF	06/22/17	AQ	Ground Water	MW-8
FA45185-8A	06/20/17	14:45 CRYF	06/22/17	AQ	Ground Water	MW-8
FA45185-9	06/20/17	13:11 CRYF	06/22/17	AQ	Ground Water	MW-9
FA45185-9A	06/20/17	13:11 CRYF	06/22/17	AQ	Ground Water	MW-9
FA45185-10	06/20/17	12:20 CRYF	06/22/17	AQ	Ground Water	MW-10
FA45185-10A	06/20/17	12:20 CRYF	06/22/17	AQ	Ground Water	MW-10
FA45185-11	06/20/17	11:27 CRYF	06/22/17	AQ	Ground Water	MW-11
FA45185-11A	06/20/17	11:27 CRYF	06/22/17	AQ	Ground Water	MW-11
FA45185-12	06/20/17	10:24 CRYF	06/22/17	AQ	Ground Water	MW-12
FA45185-12A	06/20/17	10:24 CRYF	06/22/17	AQ	Ground Water	MW-12
FA45185-13	06/20/17	13:23 CRYF	06/22/17	AQ	Ground Water	OW-1
FA45185-13A	06/20/17	13:23 CRYF	06/22/17	AQ	Ground Water	OW-1



Sample Summary

(continued)

Penske Truck Leasing Co, LP

Job No: FA45185

T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA
 Project No: 4871

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA45185-14	06/20/17	12:50	CRYF	06/22/17	AQ Ground Water	OW-2
FA45185-14A	06/20/17	12:50	CRYF	06/22/17	AQ Ground Water	OW-2
FA45185-15	06/20/17	14:50	CRYF	06/22/17	AQ Ground Water	DUP-1
FA45185-15A	06/20/17	14:50	CRYF	06/22/17	AQ Ground Water	DUP-1
FA45185-16	06/20/17	15:40	CRYF	06/22/17	AQ Equipment Blank	QCEB
FA45185-16A	06/20/17	15:40	CRYF	06/22/17	AQ Equipment Blank	QCEB
FA45185-17	06/20/17	08:00	CRYF	06/22/17	AQ Trip Blank Water	TB-1

Summary of Hits

Job Number: FA45185
Account: Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA
Collected: 06/20/17

2

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA45185-1		MW-2				
TPH (C10-C28)		1.01	0.048	0.019	mg/l	SW846 8015C
Solids, Total Dissolved		613	100		mg/l	SM2540 C-11
FA45185-1A		MW-2				
TPH (C10-C28) ^a		0.473	0.048	0.019	mg/l	SW846 8015C
FA45185-2		MW-3				
TPH (C10-C28)		0.408	0.050	0.020	mg/l	SW846 8015C
Solids, Total Dissolved		2530	500		mg/l	SM2540 C-11
FA45185-2A		MW-3				
TPH (C10-C28) ^a		0.502	0.050	0.020	mg/l	SW846 8015C
FA45185-3		MW-4				
TPH (C10-C28)		5.25	0.24	0.097	mg/l	SW846 8015C
Solids, Total Dissolved		3230	500		mg/l	SM2540 C-11
FA45185-3A		MW-4				
TPH (C10-C28)		6.27	0.49	0.19	mg/l	SW846 8015C
FA45185-4		MW-5				
TPH (C10-C28)		0.866	0.050	0.020	mg/l	SW846 8015C
Solids, Total Dissolved		1930	200		mg/l	SM2540 C-11
FA45185-4A		MW-5				
TPH (C10-C28)		0.337	0.050	0.020	mg/l	SW846 8015C
FA45185-5		MW-1R				
TPH (C10-C28)		1.88	0.049	0.019	mg/l	SW846 8015C
Solids, Total Dissolved		1650	200		mg/l	SM2540 C-11
FA45185-5A		MW-1R				
TPH (C10-C28) ^a		1.04	0.049	0.019	mg/l	SW846 8015C

Summary of Hits

Job Number: FA45185
Account: Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA
Collected: 06/20/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA45185-6	MW-6					
TPH (C10-C28)		0.632	0.048	0.019	mg/l	SW846 8015C
Solids, Total Dissolved		663	100		mg/l	SM2540 C-11
FA45185-6A	MW-6					
TPH (C10-C28)		0.371	0.048	0.019	mg/l	SW846 8015C
FA45185-7	MW-7R					
TPH (C10-C28)		2.30	0.050	0.020	mg/l	SW846 8015C
Solids, Total Dissolved		2620	500		mg/l	SM2540 C-11
FA45185-7A	MW-7R					
TPH (C10-C28)		2.56	0.099	0.040	mg/l	SW846 8015C
FA45185-8	MW-8					
TPH (C10-C28)		0.222	0.049	0.019	mg/l	SW846 8015C
Solids, Total Dissolved		3310	500		mg/l	SM2540 C-11
FA45185-8A	MW-8					
TPH (C10-C28)		0.159	0.049	0.019	mg/l	SW846 8015C
FA45185-9	MW-9					
TPH (C10-C28)		1.22	0.049	0.020	mg/l	SW846 8015C
Solids, Total Dissolved		1230	200		mg/l	SM2540 C-11
FA45185-9A	MW-9					
TPH (C10-C28) ^a		1.41	0.049	0.020	mg/l	SW846 8015C
FA45185-10	MW-10					
TPH (C10-C28)		1.46	0.050	0.020	mg/l	SW846 8015C
Solids, Total Dissolved		1160	200		mg/l	SM2540 C-11
FA45185-10A	MW-10					
TPH (C10-C28) ^a		2.09	0.050	0.020	mg/l	SW846 8015C

Summary of Hits

Job Number: FA45185
Account: Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA
Collected: 06/20/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA45185-11						
	MW-11					
TPH (C10-C28)		1.93	0.050	0.020	mg/l	SW846 8015C
Solids, Total Dissolved		1270	200		mg/l	SM2540 C-11
FA45185-11A						
	MW-11					
TPH (C10-C28) ^a		2.61	0.050	0.020	mg/l	SW846 8015C
FA45185-12						
	MW-12					
TPH (C10-C28) ^a		1.17	0.050	0.020	mg/l	SW846 8015C
Solids, Total Dissolved		1220	200		mg/l	SM2540 C-11
FA45185-12A						
	MW-12					
TPH (C10-C28) ^a		0.956	0.050	0.020	mg/l	SW846 8015C
FA45185-13						
	OW-1					
TPH (C10-C28) ^a		3.29	0.048	0.019	mg/l	SW846 8015C
Solids, Total Dissolved		1570	200		mg/l	SM2540 C-11
FA45185-13A						
	OW-1					
TPH (C10-C28) ^a		2.82	0.048	0.019	mg/l	SW846 8015C
FA45185-14						
	OW-2					
TPH-GRO (C6-C10)		0.120	0.10	0.050	mg/l	SW846 8015C
TPH (C10-C28) ^a		5.76	0.24	0.095	mg/l	SW846 8015C
Solids, Total Dissolved		1620	200		mg/l	SM2540 C-11
FA45185-14A						
	OW-2					
TPH (C10-C28) ^a		6.00	0.24	0.095	mg/l	SW846 8015C
FA45185-15						
	DUP-1					
TPH (C10-C28)		0.277	0.048	0.019	mg/l	SW846 8015C
Solids, Total Dissolved		3360	500		mg/l	SM2540 C-11
FA45185-15A						
	DUP-1					
TPH (C10-C28)		0.201	0.048	0.019	mg/l	SW846 8015C

Summary of Hits

Job Number: FA45185
Account: Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA
Collected: 06/20/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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FA45185-16 QCEB

No hits reported in this sample.

FA45185-16A QCEB

TPH (C10-C28)	0.144	0.051	0.020	mg/l	SW846 8015C
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FA45185-17 TB-1

Toluene ^b	0.73 J	1.0	0.30	ug/l	SW846 8260B
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(a) Petroleum hydrocarbon pattern extends beyond C28.

(b) Sample vial(s) contained significant headspace; reported results are considered minimum values.

Sample Results

Report of Analysis

Report of Analysis

3.1
3

Client Sample ID: MW-2		
Lab Sample ID: FA45185-1		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8260B		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97186.D	1	06/27/17 23:30	WV	n/a	n/a	VM4174
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	112%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

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

Report of Analysis

3.1
3

Client Sample ID: MW-2	Date Sampled: 06/20/17
Lab Sample ID: FA45185-1	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C	
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144370.D	1	06/23/17 13:46	EG	n/a	n/a	GCD6018
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	87%		70-131%		
98-08-8	aaa-Trifluorotoluene	81%		69-143%		

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

Report of Analysis

3.1
3

Client Sample ID: MW-2		Date Sampled: 06/20/17
Lab Sample ID: FA45185-1		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015394.D	1	07/03/17 23:02	SJL	06/27/17 08:40	OP65691	GJJ662
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.01	0.048	0.019	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	98%		50-131%		

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

Report of Analysis

Client Sample ID: MW-2	Date Sampled: 06/20/17
Lab Sample ID: FA45185-1	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	613	100	mg/l	1	06/23/17 15:51	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

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3

Client Sample ID: MW-2	
Lab Sample ID: FA45185-1A	Date Sampled: 06/20/17
Matrix: AQ - Ground Water	Date Received: 06/22/17
Method: SW846 8015C SW846 3510C	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015464.D	1	07/08/17 16:21	SJL	06/27/17 08:40	OP65691	GJJ664
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	0.473	0.048	0.019	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	55%		50-131%

(a) Petroleum hydrocarbon pattern extends beyond C28.

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

Report of Analysis

Client Sample ID: MW-3		Date Sampled: 06/20/17
Lab Sample ID: FA45185-2		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97187.D	1	06/27/17 23:54	WV	n/a	n/a	VM4174
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	116%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

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

Report of Analysis

Client Sample ID: MW-3	Date Sampled: 06/20/17
Lab Sample ID: FA45185-2	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C	
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144371.D	1	06/23/17 14:13	EG	n/a	n/a	GCD6018
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	85%		70-131%		
98-08-8	aaa-Trifluorotoluene	80%		69-143%		

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

Report of Analysis



Client Sample ID: MW-3		Date Sampled: 06/20/17
Lab Sample ID: FA45185-2		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015397.D	1	07/04/17 00:28	SJL	06/27/17 08:40	OP65691	GJJ662
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.408	0.050	0.020	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	100%		50-131%		

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

Report of Analysis

Client Sample ID: MW-3	Date Sampled: 06/20/17
Lab Sample ID: FA45185-2	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	2530	500	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

3.4
3

Client Sample ID: MW-3	Date Sampled: 06/20/17
Lab Sample ID: FA45185-2A	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C SW846 3510C	
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015465.D	1	07/08/17 16:50	SJL	06/27/17 08:40	OP65691	GJJ664
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	0.502	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	112%		50-131%

(a) Petroleum hydrocarbon pattern extends beyond C28.

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

Report of Analysis

Client Sample ID: MW-4		
Lab Sample ID: FA45185-3		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8260B		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97188.D	1	06/28/17 00:18	WV	n/a	n/a	VM4174
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	115%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

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

Report of Analysis

3.5
3

Client Sample ID: MW-4	Date Sampled: 06/20/17
Lab Sample ID: FA45185-3	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C	
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144372.D	1	06/23/17 14:40	EG	n/a	n/a	GCD6018
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	88%		70-131%		
98-08-8	aaa-Trifluorotoluene	80%		69-143%		

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

Report of Analysis

3.5
3

Client Sample ID: MW-4		Date Sampled: 06/20/17
Lab Sample ID: FA45185-3		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW10834.D	5	07/05/17 16:51	SJL	06/27/17 08:40	OP65691	GWW465
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	5.25	0.24	0.097	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	104%		50-131%		

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

Report of Analysis

Client Sample ID: MW-4	Date Sampled: 06/20/17
Lab Sample ID: FA45185-3	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	3230	500	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

3.6
3

Client Sample ID: MW-4	
Lab Sample ID: FA45185-3A	Date Sampled: 06/20/17
Matrix: AQ - Ground Water	Date Received: 06/22/17
Method: SW846 8015C SW846 3510C	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015466.D	10	07/08/17 17:19	SJL	06/27/17 08:40	OP65691	GJJ664
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	6.27	0.49	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	128%		50-131%

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

Report of Analysis

Client Sample ID: MW-5		
Lab Sample ID: FA45185-4		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8260B		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97189.D	1	06/28/17 00:43	WV	n/a	n/a	VM4174
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	116%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

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

Report of Analysis

Client Sample ID: MW-5		Date Sampled: 06/20/17
Lab Sample ID: FA45185-4		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144377.D	1	06/23/17 16:55	EG	n/a	n/a	GCD6018
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	87%		70-131%		
98-08-8	aaa-Trifluorotoluene	81%		69-143%		

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

Report of Analysis

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3

Client Sample ID: MW-5		Date Sampled: 06/20/17
Lab Sample ID: FA45185-4		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW10835.D	1	07/05/17 17:20	SJL	06/27/17 08:40	OP65691	GWW465
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.866	0.050	0.020	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	107%		50-131%		

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

Report of Analysis

Client Sample ID: MW-5	Date Sampled: 06/20/17
Lab Sample ID: FA45185-4	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	1930	200	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis



Client Sample ID: MW-5	
Lab Sample ID: FA45185-4A	Date Sampled: 06/20/17
Matrix: AQ - Ground Water	Date Received: 06/22/17
Method: SW846 8015C SW846 3510C	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015467.D	1	07/08/17 17:48	SJL	06/27/17 08:40	OP65691	GJJ664
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.337	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	60%		50-131%

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

Report of Analysis

Client Sample ID: MW-1R	
Lab Sample ID: FA45185-5	Date Sampled: 06/20/17
Matrix: AQ - Ground Water	Date Received: 06/22/17
Method: SW846 8260B	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M97190.D	1	06/28/17 01:07	WV	n/a	n/a	VM4174
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	112%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.

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

Report of Analysis

3.9
3

Client Sample ID: MW-1R	
Lab Sample ID: FA45185-5	Date Sampled: 06/20/17
Matrix: AQ - Ground Water	Date Received: 06/22/17
Method: SW846 8015C	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	CD144378.D	1	06/23/17 17:23	EG	n/a	n/a	GCD6018
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	88%		70-131%		
98-08-8	aaa-Trifluorotoluene	85%		69-143%		

(a) Sample vial(s) contained bubbles greater than 6mm; reported results are considered minimum values.

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

Report of Analysis

3.9
3

Client Sample ID: MW-1R	Date Sampled: 06/20/17
Lab Sample ID: FA45185-5	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C SW846 3510C	
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015400.D	1	07/04/17 01:55	SJL	06/27/17 08:40	OP65691	GJJ662
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.88	0.049	0.019	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	94%		50-131%		

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

Report of Analysis

Client Sample ID: MW-1R	Date Sampled: 06/20/17
Lab Sample ID: FA45185-5	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	1650	200	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-1R	Date Sampled: 06/20/17
Lab Sample ID: FA45185-5A	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C SW846 3510C	
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015468.D	1	07/08/17 18:17	SJL	06/27/17 08:40	OP65691	GJJ664
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	1.04	0.049	0.019	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	55%		50-131%

(a) Petroleum hydrocarbon pattern extends beyond C28.

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

Report of Analysis

Client Sample ID: MW-6		
Lab Sample ID: FA45185-6		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8260B		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97191.D	1	06/28/17 01:30	WV	n/a	n/a	VM4174
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%
17060-07-0	1,2-Dichloroethane-D4	112%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

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

Report of Analysis

Client Sample ID: MW-6		
Lab Sample ID: FA45185-6		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8015C		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144408.D	1	06/26/17 16:58	EG	n/a	n/a	GCD6019
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	85%		70-131%		
98-08-8	aaa-Trifluorotoluene	82%		69-143%		

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

Report of Analysis

Client Sample ID: MW-6		Date Sampled: 06/20/17
Lab Sample ID: FA45185-6		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015401.D	1	07/04/17 02:23	SJL	06/27/17 08:40	OP65691	GJJ662
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.632	0.048	0.019	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	104%		50-131%		

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

Report of Analysis

Client Sample ID: MW-6	Date Sampled: 06/20/17
Lab Sample ID: FA45185-6	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	663	100	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-6		
Lab Sample ID: FA45185-6A		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8015C SW846 3510C		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015469.D	1	07/08/17 18:46	SJL	06/27/17 08:40	OP65691	GJJ664
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.371	0.048	0.019	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	90%		50-131%		

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

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

Report of Analysis

Client Sample ID: MW-7R		
Lab Sample ID: FA45185-7		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8260B		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M97192.D	1	06/28/17 01:54	WV	n/a	n/a	VM4174
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	113%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.

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

Report of Analysis

Client Sample ID: MW-7R		Date Sampled: 06/20/17
Lab Sample ID: FA45185-7		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144415.D	1	06/26/17 20:08	EG	n/a	n/a	GCD6019
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	86%		70-131%		
98-08-8	aaa-Trifluorotoluene	82%		69-143%		

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

Report of Analysis

Client Sample ID: MW-7R		Date Sampled: 06/20/17
Lab Sample ID: FA45185-7		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015402.D	1	07/04/17 02:52	SJL	06/27/17 08:40	OP65691	GJJ662
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	2.30	0.050	0.020	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	97%		50-131%		

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

Report of Analysis

Client Sample ID: MW-7R	Date Sampled: 06/20/17
Lab Sample ID: FA45185-7	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	2620	500	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-7R	Date Sampled: 06/20/17
Lab Sample ID: FA45185-7A	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C SW846 3510C	
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015470.D	2	07/08/17 19:15	SJL	06/27/17 08:40	OP65691	GJJ664
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	2.56	0.099	0.040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	105%		50-131%

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

Report of Analysis

Client Sample ID: MW-8		
Lab Sample ID: FA45185-8		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8260B		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97193.D	1	06/28/17 02:18	WV	n/a	n/a	VM4174
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	115%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

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

Report of Analysis

Client Sample ID: MW-8		
Lab Sample ID: FA45185-8		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8015C		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144416.D	1	06/26/17 20:36	EG	n/a	n/a	GCD6019
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	86%		70-131%		
98-08-8	aaa-Trifluorotoluene	82%		69-143%		

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

Report of Analysis

Client Sample ID: MW-8		Date Sampled: 06/20/17
Lab Sample ID: FA45185-8		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015403.D	1	07/04/17 03:21	SJL	06/27/17 08:40	OP65691	GJJ662
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.222	0.049	0.019	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	95%		50-131%		

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

Report of Analysis

Client Sample ID: MW-8	Date Sampled: 06/20/17
Lab Sample ID: FA45185-8	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	3310	500	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-8		
Lab Sample ID: FA45185-8A		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8015C SW846 3510C		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015471.D	1	07/08/17 19:43	SJL	06/27/17 08:40	OP65691	GJJ664
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.159	0.049	0.019	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	118%		50-131%

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

Report of Analysis

Client Sample ID: MW-9		Date Sampled: 06/20/17
Lab Sample ID: FA45185-9		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97194.D	1	06/28/17 02:42	WV	n/a	n/a	VM4174
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	117%		79-125%
2037-26-5	Toluene-D8	94%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

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

Report of Analysis

Client Sample ID: MW-9		Date Sampled: 06/20/17
Lab Sample ID: FA45185-9		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144417.D	1	06/26/17 21:03	EG	n/a	n/a	GCD6019
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	88%		70-131%		
98-08-8	aaa-Trifluorotoluene	83%		69-143%		

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

Report of Analysis

Client Sample ID: MW-9		Date Sampled: 06/20/17
Lab Sample ID: FA45185-9		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015404.D	1	07/04/17 03:50	SJL	06/27/17 08:40	OP65691	GJJ662
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.22	0.049	0.020	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	99%		50-131%		

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

Report of Analysis

Client Sample ID: MW-9	Date Sampled: 06/20/17
Lab Sample ID: FA45185-9	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	1230	200	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-9	Date Sampled: 06/20/17
Lab Sample ID: FA45185-9A	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C SW846 3510C	
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015472.D	1	07/08/17 20:12	SJL	06/27/17 08:40	OP65691	GJJ664
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	1.41	0.049	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	125%		50-131%

(a) Petroleum hydrocarbon pattern extends beyond C28.

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

Report of Analysis

Client Sample ID: MW-10		
Lab Sample ID: FA45185-10		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8260B		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97195.D	1	06/28/17 03:06	WV	n/a	n/a	VM4174
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	110%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

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

Report of Analysis

Client Sample ID: MW-10		
Lab Sample ID: FA45185-10		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8015C		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144418.D	1	06/26/17 21:30	EG	n/a	n/a	GCD6019
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	89%		70-131%		
98-08-8	aaa-Trifluorotoluene	87%		69-143%		

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

Report of Analysis

Client Sample ID: MW-10		Date Sampled: 06/20/17
Lab Sample ID: FA45185-10		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015405.D	1	07/04/17 04:18	SJL	06/27/17 08:40	OP65691	GJJ662
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.46	0.050	0.020	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	116%		50-131%		

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

Report of Analysis

Client Sample ID: MW-10	Date Sampled: 06/20/17
Lab Sample ID: FA45185-10	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	1160	200	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-10		Date Sampled: 06/20/17
Lab Sample ID: FA45185-10A		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015473.D	1	07/08/17 20:41	SJL	06/27/17 08:40	OP65691	GJJ664
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	2.09	0.050	0.020	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	178% ^b		50-131%		

- (a) Petroleum hydrocarbon pattern extends beyond C28.
 (b) Outside control limits. Insufficient sample for reanalysis.

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

Report of Analysis

Client Sample ID: MW-11		
Lab Sample ID: FA45185-11		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8260B		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97196.D	1	06/28/17 03:30	WV	n/a	n/a	VM4174
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%
17060-07-0	1,2-Dichloroethane-D4	113%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

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

Report of Analysis

Client Sample ID: MW-11		
Lab Sample ID: FA45185-11		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8015C		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144419.D	1	06/26/17 21:57	EG	n/a	n/a	GCD6019
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	88%		70-131%		
98-08-8	aaa-Trifluorotoluene	85%		69-143%		

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

Report of Analysis

Client Sample ID: MW-11		Date Sampled: 06/20/17
Lab Sample ID: FA45185-11		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015406.D	1	07/04/17 04:47	SJL	06/27/17 08:40	OP65691	GJJ662
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.93	0.050	0.020	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	93%		50-131%		

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

Report of Analysis

Client Sample ID: MW-11	Date Sampled: 06/20/17
Lab Sample ID: FA45185-11	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	1270	200	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-11		
Lab Sample ID: FA45185-11A		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8015C SW846 3510C		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015476.D	1	07/08/17 22:08	SJL	06/27/17 08:40	OP65691	GJJ664
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	2.61	0.050	0.020	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	143% ^b		50-131%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

(b) Outside control limits. Insufficient sample for reanalysis.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit

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

Report of Analysis

Client Sample ID: MW-12		Date Sampled: 06/20/17
Lab Sample ID: FA45185-12		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97197.D	1	06/28/17 03:54	WV	n/a	n/a	VM4174
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	113%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

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

Report of Analysis

Client Sample ID: MW-12		
Lab Sample ID: FA45185-12		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8015C		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144422.D	1	06/26/17 23:18	EG	n/a	n/a	GCD6019
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	85%		70-131%		
98-08-8	aaa-Trifluorotoluene	83%		69-143%		

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

Report of Analysis

Client Sample ID: MW-12		Date Sampled: 06/20/17
Lab Sample ID: FA45185-12		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW10740.D	1	06/29/17 20:51	SJL	06/27/17 14:30	OP65703	GWW462
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	1.17	0.050	0.020	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	130%		50-131%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

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

Report of Analysis

Client Sample ID: MW-12	Date Sampled: 06/20/17
Lab Sample ID: FA45185-12	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	1220	200	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-12		Date Sampled: 06/20/17
Lab Sample ID: FA45185-12A		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW10745.D	1	06/29/17 23:15	SJL	06/27/17 14:30	OP65703	GWW462
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	0.956	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	130%		50-131%

(a) Petroleum hydrocarbon pattern extends beyond C28.

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

Report of Analysis

Client Sample ID: OW-1		
Lab Sample ID: FA45185-13		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8260B		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97198.D	1	06/28/17 04:18	WV	n/a	n/a	VM4174
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	113%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

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

Report of Analysis

Client Sample ID: OW-1	Date Sampled: 06/20/17
Lab Sample ID: FA45185-13	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C	
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144423.D	1	06/26/17 23:46	EG	n/a	n/a	GCD6019
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	87%		70-131%		
98-08-8	aaa-Trifluorotoluene	87%		69-143%		

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

Report of Analysis

Client Sample ID: OW-1		
Lab Sample ID: FA45185-13		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8015C SW846 3510C		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW10741.D	1	06/29/17 21:19	SJL	06/27/17 14:30	OP65703	GWW462
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	3.29	0.048	0.019	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	118%		50-131%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

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

Report of Analysis

Client Sample ID: OW-1	Date Sampled: 06/20/17
Lab Sample ID: FA45185-13	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	1570	200	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

Client Sample ID: OW-1		Date Sampled: 06/20/17
Lab Sample ID: FA45185-13A		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW10746.D	1	06/29/17 23:43	SJL	06/27/17 14:30	OP65703	GWW462
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	2.82	0.048	0.019	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	121%		50-131%

(a) Petroleum hydrocarbon pattern extends beyond C28.

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

Report of Analysis

Client Sample ID: OW-2		
Lab Sample ID: FA45185-14		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8260B		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M97199.D	1	06/28/17 04:42	WV	n/a	n/a	VM4174
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	114%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.

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

Report of Analysis

Client Sample ID: OW-2		Date Sampled: 06/20/17
Lab Sample ID: FA45185-14		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144424.D	1	06/27/17 00:13	EG	n/a	n/a	GCD6019
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.120	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	91%		70-131%		
98-08-8	aaa-Trifluorotoluene	96%		69-143%		

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

Report of Analysis

Client Sample ID: OW-2		Date Sampled: 06/20/17
Lab Sample ID: FA45185-14		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015351.D	5	06/30/17 16:24	SJL	06/27/17 14:30	OP65703	GJJ661
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	5.76	0.24	0.095	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	121%		50-131%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

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

Report of Analysis

Client Sample ID: OW-2	Date Sampled: 06/20/17
Lab Sample ID: FA45185-14	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	1620	200	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

Client Sample ID: OW-2		
Lab Sample ID: FA45185-14A		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8015C SW846 3510C		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015352.D	5	06/30/17 16:53	SJL	06/27/17 14:30	OP65703	GJJ661
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	6.00	0.24	0.095	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	130%		50-131%

(a) Petroleum hydrocarbon pattern extends beyond C28.

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

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

Report of Analysis

Client Sample ID: DUP-1		
Lab Sample ID: FA45185-15		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8260B		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97200.D	1	06/28/17 05:05	WV	n/a	n/a	VM4174
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%
17060-07-0	1,2-Dichloroethane-D4	112%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

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

Report of Analysis

Client Sample ID: DUP-1		Date Sampled: 06/20/17
Lab Sample ID: FA45185-15		Date Received: 06/22/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144425.D	1	06/27/17 00:40	EG	n/a	n/a	GCD6019
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	85%		70-131%		
98-08-8	aaa-Trifluorotoluene	81%		69-143%		

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

Report of Analysis

Client Sample ID: DUP-1		
Lab Sample ID: FA45185-15		Date Sampled: 06/20/17
Matrix: AQ - Ground Water		Date Received: 06/22/17
Method: SW846 8015C SW846 3510C		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015353.D	1	06/30/17 17:21	SJL	06/27/17 14:30	OP65703	GJJ661
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.277	0.048	0.019	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	121%		50-131%		

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

Report of Analysis

Client Sample ID: DUP-1	Date Sampled: 06/20/17
Lab Sample ID: FA45185-15	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	3360	500	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

Client Sample ID: DUP-1	Date Sampled: 06/20/17
Lab Sample ID: FA45185-15A	Date Received: 06/22/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C SW846 3510C	
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ015354.D	1	06/30/17 17:50	SJL	06/27/17 14:30	OP65703	GJJ661
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.201	0.048	0.019	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	136% ^a		50-131%

(a) Outside control limits.

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

Report of Analysis

Client Sample ID: QCEB		
Lab Sample ID: FA45185-16		Date Sampled: 06/20/17
Matrix: AQ - Equipment Blank		Date Received: 06/22/17
Method: SW846 8260B		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97201.D	1	06/28/17 05:29	WV	n/a	n/a	VM4174
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	111%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

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

Report of Analysis

Client Sample ID: QCEB		Date Sampled: 06/20/17
Lab Sample ID: FA45185-16		Date Received: 06/22/17
Matrix: AQ - Equipment Blank		Percent Solids: n/a
Method: SW846 8015C		
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144412.D	1	06/26/17 18:47	EG	n/a	n/a	GCD6019
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	84%		70-131%		
98-08-8	aaa-Trifluorotoluene	80%		69-143%		

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

Report of Analysis

Client Sample ID: QCEB		
Lab Sample ID: FA45185-16		Date Sampled: 06/20/17
Matrix: AQ - Equipment Blank		Date Received: 06/22/17
Method: SW846 8015C SW846 3510C		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW10744.D	1	06/29/17 22:46	SJL	06/27/17 14:30	OP65703	GWW462
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.051	0.020	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	113%		50-131%		

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

Report of Analysis

Client Sample ID: QCEB	Date Sampled: 06/20/17
Lab Sample ID: FA45185-16	Date Received: 06/22/17
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	< 100	100	mg/l	1	06/26/17 18:37	LJ	SM2540 C-11

RL = Reporting Limit

Report of Analysis

Client Sample ID: QCEB	
Lab Sample ID: FA45185-16A	Date Sampled: 06/20/17
Matrix: AQ - Equipment Blank	Date Received: 06/22/17
Method: SW846 8015C SW846 3510C	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW10749.D	1	06/30/17 01:10	SJL	06/27/17 14:30	OP65703	GWW462
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.144	0.051	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	124%		50-131%

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

Report of Analysis

Client Sample ID: TB-1		
Lab Sample ID: FA45185-17		Date Sampled: 06/20/17
Matrix: AQ - Trip Blank Water		Date Received: 06/22/17
Method: SW846 8260B		Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M97176.D	1	06/27/17 19:29	WV	n/a	n/a	VM4173
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	0.73	1.0	0.30	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%
17060-07-0	1,2-Dichloroethane-D4	110%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.

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

Report of Analysis

3.33
3

Client Sample ID: TB-1	
Lab Sample ID: FA45185-17	Date Sampled: 06/20/17
Matrix: AQ - Trip Blank Water	Date Received: 06/22/17
Method: SW846 8015C	Percent Solids: n/a
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD144411.D	1	06/26/17 18:19	EG	n/a	n/a	GCD6019
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	85%		70-131%		
98-08-8	aaa-Trifluorotoluene	80%		69-143%		

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS Accutest Sample Receipt Summary

Job Number: FA45185

Client: STANTEC

Project: Penske-725 Julie Ann Way, Oakland, CA

Date / Time Received: 6/22/2017 9:30:00 AM

Delivery Method: FedEx

Airbill #s: 779461792164

Therm ID: IR 1;

Therm CF: 0.4;

of Coolers: 3

Cooler Temps (Raw Measured) °C: Cooler 1: (3.4); Cooler 2: (3.2); Cooler 3: (3.4); Cooler 4: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.8); Cooler 2: (3.6); Cooler 3: (3.8); Cooler 4: (3.4);

Cooler Information

Y or N

- 1. Custody Seals Present
- 2. Custody Seals Intact
- 3. Temp criteria achieved
- 4. Cooler temp verification IR Gun
- 5. Cooler media Ice (Bag)

Trip Blank Information

Y or N N/A

- 1. Trip Blank present / cooler
 - 2. Trip Blank listed on COC
- W or S N/A
- 3. Type Of TB Received

Sample Information

Y or N N/A

- 1. Sample labels present on bottles
- 2. Samples preserved properly
- 3. Sufficient volume/containers recvd for analysis:
- 4. Condition of sample Intact
- 5. Sample recvd within HT
- 6. Dates/Times/IDs on COC match Sample Label
- 7. VOCs have headspace
- 8. Bottles received for unspecified tests
- 9. Compositing instructions clear
- 10. Voa Soil Kits/Jars received past 48hrs?
- 11. % Solids Jar received?
- 12. Residual Chlorine Present?

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____
 Test Strip Lot #: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____
 Residual Chlorine Test Strip Lot #: _____

Comments 1 Amber Bottle received instead of 2 for Extractions;FOR SAMPLES 5-8,15,16

Per Client(Neil Doran), 06/23/17:
 TPH-DRO data to be reported both "with" and "without" Silica Gel CleanUP
 Added BTEX to the Trip Blank Sample FA45185-17
 Global ID: T0600101062

SM001
 Rev. Date 05/24/17

Technician: JORGEC

Date: 6/22/2017 9:30:00 AM

Reviewer: TL

Date: 6/23/2017

FA45185: Chain of Custody

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GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA45185

Account: PENSKELC Penske Truck Leasing Co, LP

Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM4173-MB	M97156.D	1	06/27/17	WV	n/a	n/a	VM4173

The QC reported here applies to the following samples:

Method: SW846 8260B

FA45185-17

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	110%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

Method Blank Summary

Job Number: FA45185

Account: PENSKELC Penske Truck Leasing Co, LP

Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM4174-MB	M97184.D	1	06/27/17	WV	n/a	n/a	VM4174

The QC reported here applies to the following samples:

Method: SW846 8260B

FA45185-1, FA45185-2, FA45185-3, FA45185-4, FA45185-5, FA45185-6, FA45185-7, FA45185-8, FA45185-9, FA45185-10, FA45185-11, FA45185-12, FA45185-13, FA45185-14, FA45185-15, FA45185-16

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.31	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	103% 83-118%
17060-07-0	1,2-Dichloroethane-D4	111% 79-125%
2037-26-5	Toluene-D8	98% 85-112%
460-00-4	4-Bromofluorobenzene	97% 83-118%

Blank Spike Summary

Job Number: FA45185

Account: PENSKELC Penske Truck Leasing Co, LP

Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM4173-BS	M97155.D	1	06/27/17	WV	n/a	n/a	VM4173

The QC reported here applies to the following samples:

Method: SW846 8260B

FA45185-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.1	104	81-122
100-41-4	Ethylbenzene	25	25.5	102	81-121
108-88-3	Toluene	25	26.1	104	80-120
1330-20-7	Xylene (total)	75	77.9	104	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	103%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM4174-BS	M97183.D	1	06/27/17	WV	n/a	n/a	VM4174

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA45185-1, FA45185-2, FA45185-3, FA45185-4, FA45185-5, FA45185-6, FA45185-7, FA45185-8, FA45185-9, FA45185-10, FA45185-11, FA45185-12, FA45185-13, FA45185-14, FA45185-15, FA45185-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.3	93	81-122
100-41-4	Ethylbenzene	25	23.9	96	81-121
91-20-3	Naphthalene	25	21.5	86	63-132
108-88-3	Toluene	25	24.0	96	80-120
1330-20-7	Xylene (total)	75	74.8	100	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	101%	83-118%

* = Outside of Control Limits.

5.2.2
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA45179-1MS	M97177.D	50	06/27/17	WV	n/a	n/a	VM4173
FA45179-1MSD	M97178.D	50	06/27/17	WV	n/a	n/a	VM4173
FA45179-1	M97157.D	50	06/27/17	WV	n/a	n/a	VM4173

The QC reported here applies to the following samples:

Method: SW846 8260B

FA45185-17

CAS No.	Compound	FA45179-1 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	31.0	J 1250	1340	105	1250	1370	107	2	81-122/14
100-41-4	Ethylbenzene	961	1250	2280	106	1250	2270	105	0	81-121/14
108-88-3	Toluene	2780	1250	3700	74* a	1250	3600	66* a	3	80-120/14
1330-20-7	Xylene (total)	7750	3750	11800	108	3750	11300	95	4	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA45179-1	Limits
1868-53-7	Dibromofluoromethane	97%	98%	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	101%	110%	79-125%
2037-26-5	Toluene-D8	101%	99%	99%	85-112%
460-00-4	4-Bromofluorobenzene	102%	100%	100%	83-118%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

5.3.1
 5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA45179-19MS	M97202.D	100	06/28/17	WV	n/a	n/a	VM4174
FA45179-19MSD	M97203.D	100	06/28/17	WV	n/a	n/a	VM4174
FA45179-19	M97185.D	100	06/27/17	WV	n/a	n/a	VM4174

The QC reported here applies to the following samples:

Method: SW846 8260B

FA45185-1, FA45185-2, FA45185-3, FA45185-4, FA45185-5, FA45185-6, FA45185-7, FA45185-8, FA45185-9, FA45185-10, FA45185-11, FA45185-12, FA45185-13, FA45185-14, FA45185-15, FA45185-16

CAS No.	Compound	FA45179-19 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	3350	2500	5880	101	2500	5890	102	0	81-122/14
100-41-4	Ethylbenzene	972	2500	3480	100	2500	3570	104	3	81-121/14
91-20-3	Naphthalene	820	2500	2950	85	2500	3040	89	3	63-132/25
108-88-3	Toluene	6380	2500	8210	73* a	2500	8380	80	2	80-120/14
1330-20-7	Xylene (total)	12700	7500	20100	99	7500	20300	101	1	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA45179-19	Limits
1868-53-7	Dibromofluoromethane	100%	100%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	109%	110%	79-125%
2037-26-5	Toluene-D8	98%	102%	98%	85-112%
460-00-4	4-Bromofluorobenzene	100%	98%	100%	83-118%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

5.3.2
 5

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA45185

Account: PENSKELC Penske Truck Leasing Co, LP

Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD6018-MB	CD144366.D	1	06/23/17	EG	n/a	n/a	GCD6018

The QC reported here applies to the following samples:

Method: SW846 8015C

FA45185-1, FA45185-2, FA45185-3, FA45185-4, FA45185-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Limits	
460-00-4	4-Bromofluorobenzene	87%	70-131%
98-08-8	aaa-Trifluorotoluene	81%	69-143%

Method Blank Summary

Job Number: FA45185

Account: PENSKELC Penske Truck Leasing Co, LP

Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD6019-MB	CD144400.D	1	06/26/17	EG	n/a	n/a	GCD6019

The QC reported here applies to the following samples:

Method: SW846 8015C

FA45185-6, FA45185-7, FA45185-8, FA45185-9, FA45185-10, FA45185-11, FA45185-12, FA45185-13, FA45185-14, FA45185-15, FA45185-16, FA45185-17

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Limits	
460-00-4	4-Bromofluorobenzene	85%	70-131%
98-08-8	aaa-Trifluorotoluene	81%	69-143%

Blank Spike Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD6018-BS	CD144365.D	1	06/23/17	EG	n/a	n/a	GCD6018

The QC reported here applies to the following samples:

Method: SW846 8015C

FA45185-1, FA45185-2, FA45185-3, FA45185-4, FA45185-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.411	103	75-138

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	93%	70-131%
98-08-8	aaa-Trifluorotoluene	92%	69-143%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD6019-BS	CD144399.D	1	06/26/17	EG	n/a	n/a	GCD6019

The QC reported here applies to the following samples:

Method: SW846 8015C

FA45185-6, FA45185-7, FA45185-8, FA45185-9, FA45185-10, FA45185-11, FA45185-12, FA45185-13, FA45185-14, FA45185-15, FA45185-16, FA45185-17

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.384	96	75-138

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	93%	70-131%
98-08-8	aaa-Trifluorotoluene	93%	69-143%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA45185-1MS	CD144373.D	1	06/23/17	EG	n/a	n/a	GCD6018
FA45185-1MSD	CD144374.D	1	06/23/17	EG	n/a	n/a	GCD6018
FA45185-1	CD144370.D	1	06/23/17	EG	n/a	n/a	GCD6018

The QC reported here applies to the following samples:

Method: SW846 8015C

FA45185-1, FA45185-2, FA45185-3, FA45185-4, FA45185-5

CAS No.	Compound	FA45185-1 mg/l	Spike Q mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	0.4	0.359	90	0.4	0.328	82	9	75-138/13

CAS No.	Surrogate Recoveries	MS	MSD	FA45185-1	Limits
460-00-4	4-Bromofluorobenzene	91%	88%	87%	70-131%
98-08-8	aaa-Trifluorotoluene	89%	86%	81%	69-143%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA45255-4MS	CD144413.D	1	06/26/17	EG	n/a	n/a	GCD6019
FA45255-4MSD	CD144414.D	1	06/26/17	EG	n/a	n/a	GCD6019
FA45255-4	CD144407.D	1	06/26/17	EG	n/a	n/a	GCD6019

The QC reported here applies to the following samples:

Method: SW846 8015C

FA45185-6, FA45185-7, FA45185-8, FA45185-9, FA45185-10, FA45185-11, FA45185-12, FA45185-13, FA45185-14, FA45185-15, FA45185-16, FA45185-17

CAS No.	Compound	FA45255-4 mg/l	Spike Q mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	0.4	0.418	105	0.4	0.407	102	3	75-138/13

CAS No.	Surrogate Recoveries	MS	MSD	FA45255-4	Limits
460-00-4	4-Bromofluorobenzene	90%	91%	85%	70-131%
98-08-8	aaa-Trifluorotoluene	93%	92%	82%	69-143%

* = Outside of Control Limits.

GC Semi-volatiles**QC Data Summaries**

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65691-MB	JJ015246.D	1	06/28/17	SJL	06/27/17	OP65691	GJJ659

The QC reported here applies to the following samples:

Method: SW846 8015C

FA45185-1, FA45185-2, FA45185-3, FA45185-4, FA45185-5, FA45185-6, FA45185-7, FA45185-8, FA45185-9, FA45185-10, FA45185-11, FA45185-1A, FA45185-2A, FA45185-3A, FA45185-4A, FA45185-5A, FA45185-6A, FA45185-7A, FA45185-8A, FA45185-9A, FA45185-10A, FA45185-11A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	89% 50-131%

7.1.1
7

Method Blank Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65691-MB	JJ015387.D	1	07/03/17	SJL	06/27/17	OP65691	GJJ662

The QC reported here applies to the following samples:

Method: SW846 8015C

FA45185-1, FA45185-2, FA45185-3, FA45185-4, FA45185-5, FA45185-6, FA45185-7, FA45185-8, FA45185-9, FA45185-10, FA45185-11, FA45185-1A, FA45185-2A, FA45185-3A, FA45185-4A, FA45185-5A, FA45185-6A, FA45185-7A, FA45185-8A, FA45185-9A, FA45185-10A, FA45185-11A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	82% 50-131%

7.1.2
7

Method Blank Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65703-MB	WW10730.D	1	06/29/17	SJL	06/27/17	OP65703	GWW462

The QC reported here applies to the following samples:

Method: SW846 8015C

FA45185-12, FA45185-13, FA45185-14, FA45185-15, FA45185-16, FA45185-12A, FA45185-13A, FA45185-14A, FA45185-15A, FA45185-16A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	119% 50-131%

Blank Spike Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65691-BS	JJ015245.D	1	06/28/17	SJL	06/27/17	OP65691	GJJ659

The QC reported here applies to the following samples:

Method: SW846 8015C

FA45185-1, FA45185-2, FA45185-3, FA45185-4, FA45185-5, FA45185-6, FA45185-7, FA45185-8, FA45185-9, FA45185-10, FA45185-11, FA45185-1A, FA45185-2A, FA45185-3A, FA45185-4A, FA45185-5A, FA45185-6A, FA45185-7A, FA45185-8A, FA45185-9A, FA45185-10A, FA45185-11A

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C28)	1	0.846	85	60-128

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	105%	50-131%

* = Outside of Control Limits.

7.2.1
7

Blank Spike Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65691-BS	JJ015386.D	1	07/03/17	SJL	06/27/17	OP65691	GJJ662

The QC reported here applies to the following samples:

Method: SW846 8015C

FA45185-1, FA45185-2, FA45185-3, FA45185-4, FA45185-5, FA45185-6, FA45185-7, FA45185-8, FA45185-9, FA45185-10, FA45185-11, FA45185-1A, FA45185-2A, FA45185-3A, FA45185-4A, FA45185-5A, FA45185-6A, FA45185-7A, FA45185-8A, FA45185-9A, FA45185-10A, FA45185-11A

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C28)	1	0.768	77	60-128

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	104%	50-131%

* = Outside of Control Limits.

7.2.2
 7

Blank Spike Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65703-BS	WW10729.D	1	06/29/17	SJL	06/27/17	OP65703	GWW462

The QC reported here applies to the following samples:

Method: SW846 8015C

FA45185-12, FA45185-13, FA45185-14, FA45185-15, FA45185-16, FA45185-12A, FA45185-13A, FA45185-14A, FA45185-15A, FA45185-16A

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C28)	1	0.787	79	60-128

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	117%	50-131%

* = Outside of Control Limits.

7.2.3
7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65691-MS	JJ015248.D	1	06/28/17	SJL	06/27/17	OP65691	GJJ659
OP65691-MSD	JJ015249.D	1	06/28/17	SJL	06/27/17	OP65691	GJJ659
FA45188-10	JJ015247.D	1	06/28/17	SJL	06/27/17	OP65691	GJJ659

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA45185-1, FA45185-2, FA45185-3, FA45185-4, FA45185-5, FA45185-6, FA45185-7, FA45185-8, FA45185-9, FA45185-10, FA45185-11, FA45185-1A, FA45185-2A, FA45185-3A, FA45185-4A, FA45185-5A, FA45185-6A, FA45185-7A, FA45185-8A, FA45185-9A, FA45185-10A, FA45185-11A

CAS No.	Compound	FA45188-10 Spike		MS	MS	Spike	MSD	MSD	RPD	Limits
		mg/l	Q mg/l	mg/l	%	mg/l	mg/l	%		Rec/RPD
	TPH (C10-C28)	1.39	1.92	3.68	119	1.92	3.42	106	7	60-128/33

CAS No.	Surrogate Recoveries	MS	MSD	FA45188-10	Limits
84-15-1	o-Terphenyl	113%	107%	113%	50-131%

* = Outside of Control Limits.

7.3.1
7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA45185
Account: PENSKELC Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65703-MS	WW10732.D	1	06/29/17	SJL	06/27/17	OP65703	GWW462
OP65703-MSD	WW10733.D	1	06/29/17	SJL	06/27/17	OP65703	GWW462
FA45188-1	WW10731.D	1	06/29/17	SJL	06/27/17	OP65703	GWW462

The QC reported here applies to the following samples:

Method: SW846 8015C

FA45185-12, FA45185-13, FA45185-14, FA45185-15, FA45185-16, FA45185-12A, FA45185-13A, FA45185-14A, FA45185-15A, FA45185-16A

CAS No.	Compound	FA45188-1 mg/l	Spike Q	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD	
	TPH (C10-C28)	0.0447	J	1.92	1.70	86	1.92	1.63	82	4	60-128/33

CAS No.	Surrogate Recoveries	MS	MSD	FA45188-1	Limits
84-15-1	o-Terphenyl	120%	116%	116%	50-131%

* = Outside of Control Limits.

General Chemistry

QC Data Summaries



Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA45185
Account: PENSKELC - Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN75490	100	0.0	mg/l				
Solids, Total Dissolved	GN75520	100	0.0	mg/l				

Associated Samples:

Batch GN75490: FA45185-1

Batch GN75520: FA45185-2, FA45185-3, FA45185-4, FA45185-5, FA45185-6, FA45185-7, FA45185-8, FA45185-9, FA45185-10, FA45185-11, FA45185-12, FA45185-13, FA45185-14, FA45185-15, FA45185-16

(*) Outside of QC limits

8.1

8

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA45185
Account: PENSKELC - Penske Truck Leasing Co, LP
Project: T0600101062-STANCAWC: Penske; 725 Julie Ann Way, Oakland, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN75490	FA45104-4	mg/l	987	997	1.0	0-5%
Solids, Total Dissolved	GN75520	FA45185-10	mg/l	1160	678	52.4*(a)	0-5%

Associated Samples:

Batch GN75490: FA45185-1

Batch GN75520: FA45185-2, FA45185-3, FA45185-4, FA45185-5, FA45185-6, FA45185-7, FA45185-8, FA45185-9, FA45185-10, FA45185-11, FA45185-12, FA45185-13, FA45185-14, FA45185-15, FA45185-16

(*) Outside of QC limits

(a) High RPD due to possible sample non-homogeneity.

8.2

8

APPENDIX D

Concentration Plots – 1997 to 2017

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

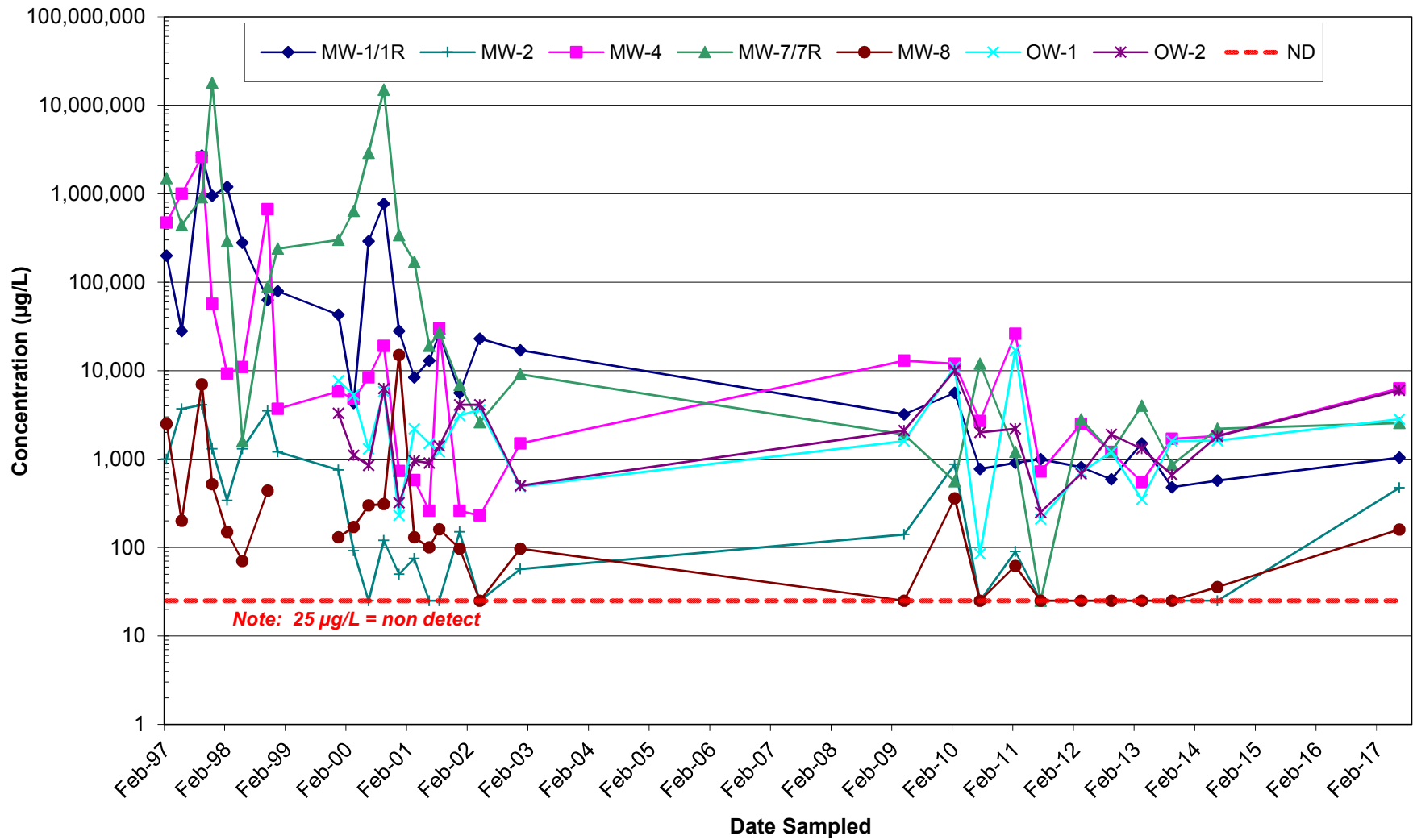
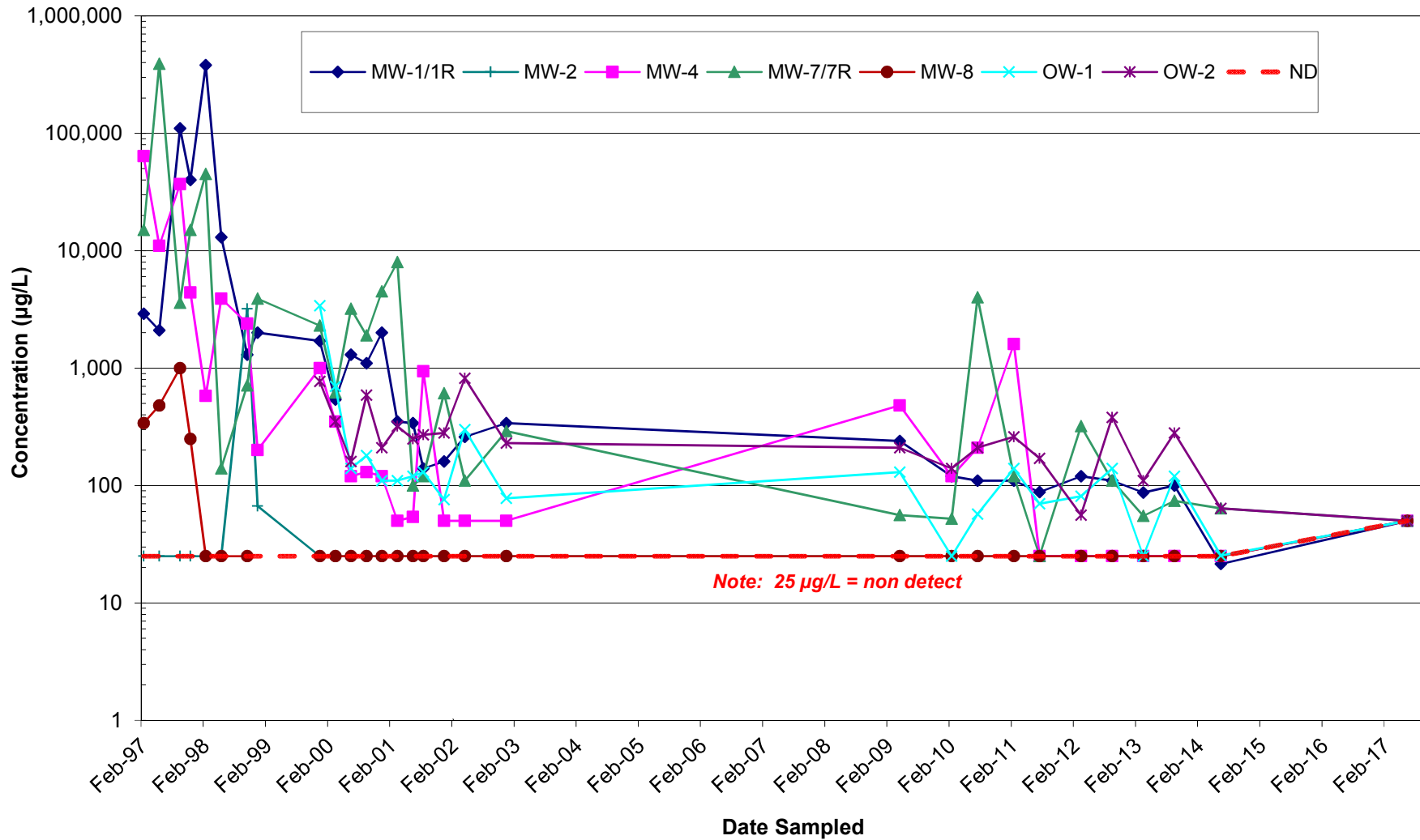


FIGURE D-2
TPHg versus Time
725 Julie Ann Way, Oakland, CA



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

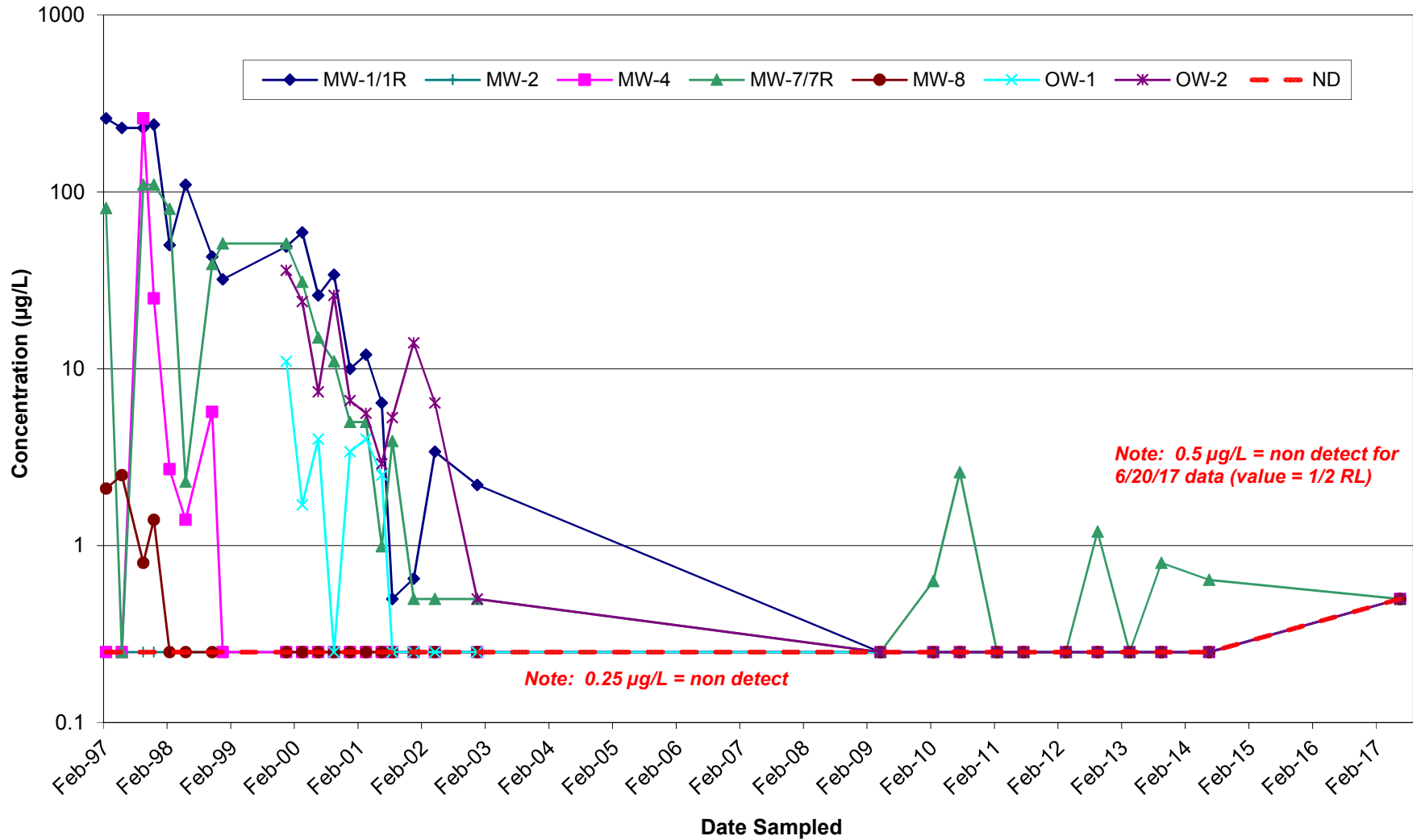
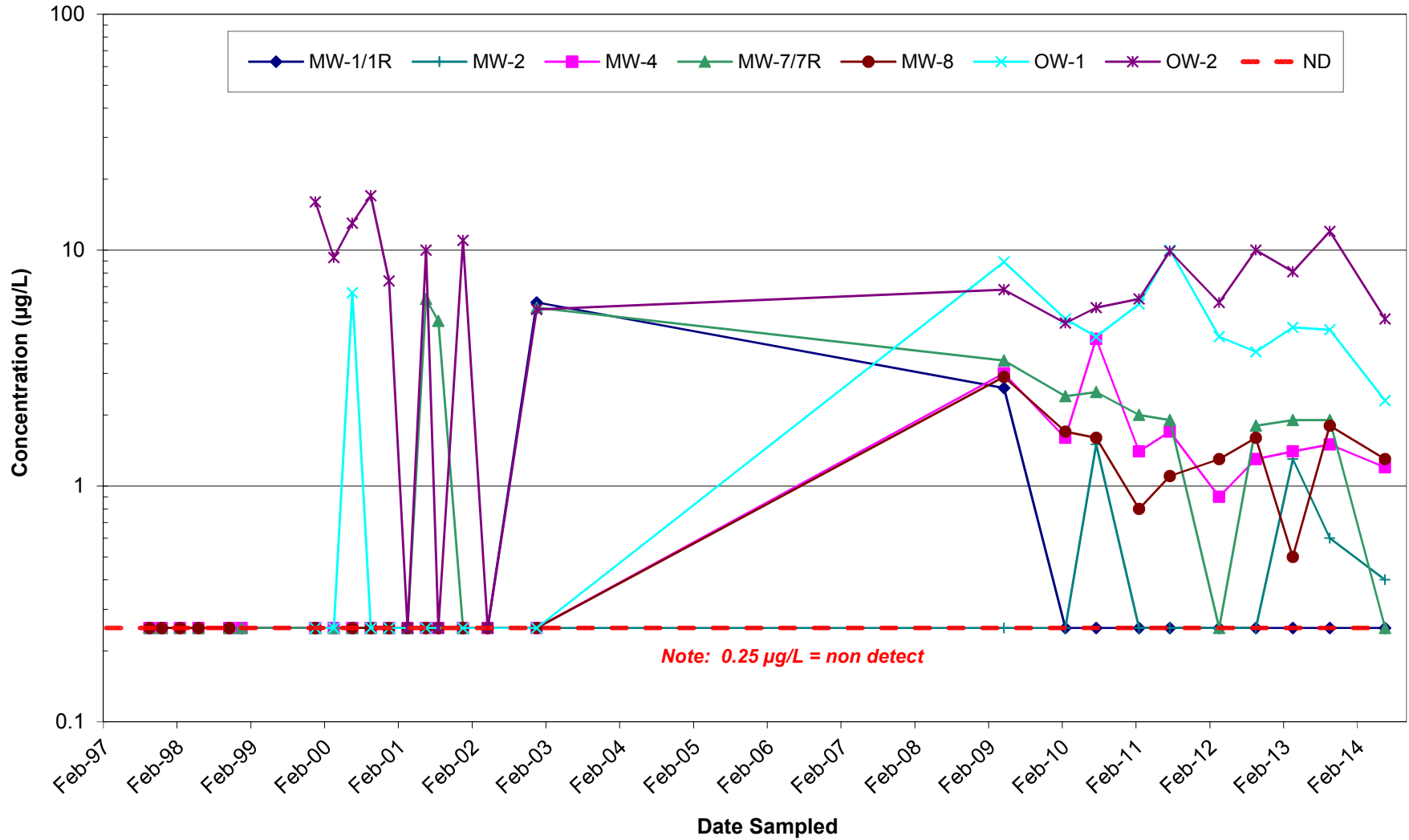


FIGURE D-4
MTBE versus Time
725 Julie Ann Way, Oakland, CA





APPENDIX E

Historical Groundwater Analytical Data

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

NOTES:

µg/L - micrograms per liter
 TPHd - Total Petroleum Hydrocarbons as diesel
 TPHg - Total Petroleum Hydrocarbons as gasoline
 MTBE - Methyl tert butyl ether
 NP - No Product
 PP - Product Present (measurement not recorded)

ND - Not detected at or above the laboratory detection limit
 -- - Not sampled
 PCE - Tetrachloroethylene
 < - Indicates constituent not detected at or above specified reporting limit
 std - standard three volume purge
 NM - Not monitored

bold text indicates that the value was detected above the laboratory reporting limit

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

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

TABLE 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
 FORMER PENSKE TRUCK LEASING FACILITY
 725 Julie Ann Way, Oakland, California

Sample Location	Sample Date	Sample Depth (ft bgs)	TDS (mg/L)	TPHd (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Naphthalene (µg/L)	Acenaphthene (µg/L)	Fluorene (µg/L)	1-Methyl-naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)
Grab Groundwater Sample from Soil Boring - January 2015															
SB-9	01/15/15	4.7	--	--	ND <200	ND <2.0	8.3	ND <2.0	ND <2.0	ND <8.0	--	--	--	--	--
SB-10	01/15/15	5.5	--	--	ND < 710	ND <7.1	ND <7.1	ND <7.1	ND <7.1	ND <29	--	--	--	--	--
SB-11	01/15/15	4.8	--	--	ND <170	ND <1.7	8.2	ND <1.7	ND <1.7	ND <6.7	--	--	--	--	--
SB-12	01/15/15	4.6	--	--	1,700^(a)	ND <0.5	22	ND <0.5	ND <0.5	ND <2.0	--	--	--	--	--
SB-13	01/15/15	4.5	--	--	890^(a)	ND <0.5	6.3	ND <0.5	ND <0.5	ND <2.0	--	--	--	--	--
SB-14	01/15/15	4.4	--	--	ND <200	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <8.0	--	--	--	--	--
Groundwater Sample from Shallow Monitoring Well - July 2015															
MW-9	07/24/15	5.1	1,520	382	ND <50	ND <1.0	ND <1.0	ND <1.0	ND <2.0	ND <0.51	ND <0.51	ND <0.51	2.7	ND <0.51	ND <0.51
MW-10	07/24/15	5.1	1,730	3,600	120	ND <1.0	ND <1.0	ND <1.0	ND <2.0	ND <0.51	1.0	4.2	8.2	3.0	ND <0.51
MW-11	07/24/15	4.8	1,430	622	ND <50	ND <1.0	ND <1.0	ND <1.0	ND <2.0	ND <0.48	0.76	2.1	2.0	0.97	ND <0.48
MW-11 Duplicate	07/24/15	4.8	1,340	624	51.5	ND <1.0	ND <1.0	ND <1.0	ND <2.0	ND <0.48	0.78	2.0	1.7	0.92	ND <0.48
MW-12	07/24/15	4.9	1,610	2,170	ND <50	ND <1.0	ND <1.0	ND <1.0	ND <2.0	ND <0.48	0.6	2.1	ND <0.48	1.2	ND <0.48
ESLs			NE	640	500	46	40	30	100	21	20	3.9	NE	4.6	2.0

Notes:

mg/L - milligrams per liter
 µg/L - micrograms per liter
 ft bgs - feet below ground surface
 TPHg - Total Petroleum Hydrocarbons as gasoline
 TPHd - Total Petroleum Hydrocarbons as diesel
 TDS Total Dissolved Solids

ND < - Indicates constituent not detected at or above specified reporting limit
 (a) - Sample exhibits chromatographic pattern that does not resemble standard.
 -- Not analyzed
 NE Not established
bold text indicates that the value exceeds the ESL.

ESLs Regional Water Quality Control Board, San Francisco Bay Region, Environmental Screening Levels, Table F-2c, Surface Water Screening Levels, Estuary Habitats, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater December 2013.

Table 3
SVOC Analytical Data
725 Julie Ann Way, Oakland, California

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

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

APPENDIX F

Historical Soil Analytical Data

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 FORMER PENSKE TRUCK LEASING FACILITY
 725 Julie Ann Way, Oakland, California

Sample Location	Sample Date	Sample Depth (ft bgs)	TPHg	Acetone	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	Phenanthrene	Pyrene
MW-9	07/24/15	5.5	349	47.6	ND<64	ND<64	ND<64	ND<64	ND<64	68	ND<320	ND<320	ND<64	ND<320	ND<320	ND<320
MW-10	07/24/15	6.0	971	39.1	14.8	20.4	25.3	27.9	14.8	30.6	ND<64	154	21.8	366	247	ND<64
MW-11	07/24/15	4.5	23,100	ND<2100	36	ND<33	ND<33	ND<33	ND<33	53	ND<170	516	ND<33	ND<170	721	ND<170
MW-12	07/24/15	5.0	2,090	ND<33	47.1	22.4	31.7	14.1	23.1	61.2	44.3	110	13.7	ND<33	144	89.7
ESLs - soil leaching			770,000	500	12,000	130,000	46,000	27,000	37,000	23,000	60,000	8,900	15,000	1,200*	11,000	85,000

Notes:

All results reported in micrograms per kilogram ($\mu\text{g}/\text{kg}$).

ft bgs - feet below ground surface

TPHg - Total Petroleum Hydrocarbons as gasoline

TDS Total Dissolved Solids

ND - Not detected at or above the laboratory detection limit

< - Indicates constituent not detected at or above specified reporting limit

ESLs Regional Water Quality Control Board, San Francisco Bay Region, Environmental Screening Levels, Soil Leaching Screening Levels, Drinking Water resource (Table G), presented in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* December 2013).

* ESL for naphthalene used for screening since not established for 1-Methylnaphthalene

bold text indicates that the value exceeds the ESL.