PENSKE

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By Alameda County Environmental Health 8:39 am, Nov 16, 2015

November 13, 2015

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

Re: Shallow Well Installation 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 Shallow Well Installation and Sampling Report for the above-referenced former Penske Truck Leasing location.

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

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

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

Best Regards,

Chris Hawk
Environmental Engineer

Penske Truck Leasing
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Reading, PA 19603-7635

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

November 12, 2015
File: 185702858.300.0001

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

Reference: **Shallow Well Installation 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 *Shallow Well Installation and Sampling Report* (Report) for the Former Penske Truck Leasing Facility (the Site) located at 725 Julie Ann Way in Oakland, California (see Figure 1). This Report provides findings of the July 2015 groundwater investigation that was conducted in accordance with Stantec's November 20, 2014, *Data Gap Investigation Work Plan* (Work Plan). The Work Plan was approved by the Alameda County Environmental Health Services (ACEHS) in a letter dated December 5, 2014.

The Work Plan addressed ACEHS's concern that residual fuel hydrocarbons in shallow groundwater may be reaching a flood control channel located immediately west of the Site, via migration through the drainage channel's earthen bank. The location of the drainage channel is shown on Figure 2 and the Site Plan is included as Figure 3. The ACEHS requested the Work Plan to characterize shallow groundwater quality along the western site boundary.

Stantec's March 13, 2015 *Data Gap Investigation Report* documented the results of groundwater grab samples collected from six temporary soil borings (SB-9 through SB-14) in January 2015. The boring locations are shown on Figure 3. The Work Plan indicated that groundwater samples would be analyzed for total petroleum hydrocarbons as gasoline range organics (GROg) and as diesel range organics (DRO), total dissolved solids (TDS), benzene, toluene, ethylbenzene, and xylenes (BTEX) and naphthalene. Due to the extremely low groundwater recharge rate there was inadequate sample volume for all of the analytical parameters outlined in the Work Plan; groundwater samples were only analyzed GRO, BTEX and naphthalene.

In ACEHS's June 5, 2015 electronic correspondence providing review of the *Data Gap Investigation Report*, re-implementation of the Work Plan was requested with collection of groundwater sample volume adequate to ensure collection of DRO and TDS in addition to GRO. In response, Stantec

Reference: **Shallow Well Installation and Sampling Report**
Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354

proposed the installation of four shallow monitoring wells for sample collection. The groundwater monitoring well locations were approved by ACEHS in a July 21, 2015 email. The July 2015 investigation is summarized in this report.

Pre-Field Activities

Stantec met with the site tenant to mark the proposed well locations as shown on Figure 3. Well locations were marked with white paint and Underground Service Alert was notified at least 72 hours prior to beginning field work. Cruz Brothers Locators verified that drilling locations were free of detectable subsurface utilities or obstructions. Alameda County Public Works Agency (ACPWA) issued permits W2015-0633 to -0636 for the borings (Attachment A).

Monitoring Well Design

The Work Plan proposed advancing soil borings to a depth corresponding to the bottom of the adjacent drainage channel to ensure that groundwater being collected would be that with the potential to be in communication with water present in the drainage channel. The maximum elevation difference of approximately 7.5 feet was calculated between the proposed drilling locations (11.53 feet) and bottom of the drainage channel (4.02 feet). Based on this difference in elevation, monitoring wells were installed to a maximum depth of 8 feet below grade. The January 2015 soil borings were advanced to a maximum depth of 8 feet below grade and first encountered groundwater at those locations was between 4.5 and 6 feet below grade.

Monitoring Well Installation

The four monitoring wells were installed on July 23, 2015. Boreholes were advanced to 5 feet below grade using a hand auger to confirm the absence of shallow subsurface utilities or obstructions. Beyond 5 feet, the boreholes were advanced to total depth of 8 feet below grade using a 4-inch-diameter hand auger due to access limitations which precluded use of a limited access drilling rig.

The Stantec geologist continuously logged recovered soils according to the Unified Soil Classification System (USCS). Soils were screened periodically for organic vapors using a photoionization detector (PID), and PID readings, soil classifications, and related observations were recorded on the soil boring logs, included as Attachment B.

The four wells were constructed within the borehole and consisted of 1-inch-diameter polyvinyl chloride Schedule 40 riser casing and 4 feet of flush-threaded 1-inch-diameter 0.020-inch machine slotted well screen. All wells were completed to a total depth of 8 feet below grade and screened from four to eight feet below grade.

Reference: **Shallow Well Installation and Sampling Report**
Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354

The annular space was filled with #2 sand to 6-inches above the well screen. The remaining annular space was completed with a 1-foot bentonite seal above the sand followed by cement grout to the ground surface. ACPWA well inspector Steve Miller was onsite to observe and approve the well construction. Wells were finished at the surface in a raised traffic-rated flush-mounted well box and fitted with a water-tight locking cap. Well construction details are included on the borehole logs included as Attachment B.

The wells were developed by surging and bailing or pumping to remove fine sediment and improve hydraulic communication with the surrounding formation. Well development continued until the purged groundwater was visibly free of sediment or until at least ten well casing volumes were removed.

Soil cuttings generated during well installation were placed in 55-gallon Department of Transportation-approved drums and properly disposed of in accordance with local, state, and federal regulations.

Soil Sample Collection and Analysis

A soil sample was selected from each boring location based on field evidence of odor, staining, or elevated PID readings. Each of the four soil samples were analyzed for GRO and volatile organic compounds (VOCs) by United States Environmental Protection Agency (U.S. EPA) Method 8260B and semi-volatile organics (SVOCs) by U.S. EPA Method 8270C. Samples retained for analysis were labeled to indicate job number, boring number, sample depth, sample number, time and date collected, and then stored in a cooler containing ice. Soil samples were delivered Curtis and Tompkins Laboratory in Berkeley California, a California certified environmental laboratory, under chain-of-custody documentation.

Groundwater Sample Collection and Analysis

Groundwater sample collection was conducted on July 24, 2015. Groundwater samples were collected using a peristaltic pump with dedicated tubing for each well, following removal of three casing volumes. Purged groundwater was periodically monitored for temperature, conductivity, pH, color, and turbidity during purging. Groundwater samples were labeled, immediately placed on ice, and submitted to Accutest Laboratory, a State of California-certified laboratory, under chain-of-custody documentation. Groundwater samples were analyzed for GRO and BTEX by United States Environmental Protection Agency (U.S. EPA) Method 8260B, SVOCs by U.S. EPA Method 8270C, DRO by U.S. EPA Method 8015B and TDS by Standard Method 2540. Copies of the groundwater sample field data sheets are included in Attachment C.

Reference: **Shallow Well Installation and Sampling Report**
Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354

Investigation Results

Encountered soils consisted primarily of silt and clay with variable amounts of gravel. Pieces of broken brick or rock were encountered in all borings within the silty-clay zone between approximately 3 and 5 feet bgs, likely indicative of fill material. PID readings of recovered soils ranged from 1 part per million (ppm) in MW-11 at 6 feet below grade to 35 ppm in MW-11 at a depth of 5 feet bgs. PID readings are included on the soil boring logs in Attachment B.

Groundwater was encountered at approximately 5 feet bgs in each of the boreholes. Hydrocarbon sheen and odor were observed at approximately 5 feet bgs in boreholes for MW-10 and MW-11 during well installation, and sheen and odor were observed in groundwater samples obtained from MW-9 and MW-12. Static groundwater was measured on July 24, 2015 at depths ranging from 4.5 to 4.7 feet bgs.

Soil Analytical Results

Soil sample chemical results are summarized in Table 1 and the laboratory report is included in Attachment D. For comparison, Table 1 includes Environmental Screening Levels (ESLs) for soil leaching concerns with groundwater as a potential drinking water source. ESLs are risk-based screening levels established by the San Francisco Bay Regional Water Quality Control Board (RWQCB). Concentrations in excess of one or more screening levels does not mean that a significant risk exists, only that additional evaluation may be needed.

Detectable concentrations of gasoline-range organics (GRO) were reported in all of the samples analyzed, with concentrations ranging from 0.349 milligrams per kilogram (mg/kg) at MW-9 to 23.1 mg/kg at MW-11. Acetone, the only VOC detected, was reported at concentrations of 0.0476 mg/kg and 0.0391 mg/kg in MW-9 and MW-10, respectively. Various SVOCs, including benzo(a)anthracene, benzo(a)pyrene, chrysene, fluorene, 1-methylnaphthalene, phenanthrene, and pyrene were detected in the samples (Table 1). None of the analytes reported in soil samples exceed their respective ESLs for soil leaching concerns.

Groundwater Analytical Results

TDS, DRO, GRO and SVOCs were detected in one or more groundwater samples. The laboratory analytical report is included in Attachment D. Analytical results are summarized in Table 2, illustrated on Figure 4, and summarized below:

- TDS concentrations in the four wells ranged from 1,340 milligrams per liter (mg/L) to 1,730 mg/L;

Reference: **Shallow Well Installation and Sampling Report**
Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354

- DRO was detected in all four wells at concentrations ranging from 382 in MW-9 to 3,600 µg/L in MW-10.
- GRO was detected in MW-9 and MW-10 at concentrations of 30.7 µg/L and 102 µg/L, respectively, and the duplicate sample from MW-11 reported GRO at 51.5 µg/L, just above the reporting limit of 50 µg/L;
- Naphthalene was detected in the four wells with estimated concentrations less than the laboratory reporting limit ranging from 0.10 µg/L to 0.34 µg/L;
- Other SVOCs detected in the groundwater samples included acenapthene, fluorene, methylnaphthalene, phenanthrene, and pyrene; and
- Benzene, toluene, ethylbenzene, xylenes, and naphthalene were not detected in any groundwater samples.

Data Evaluation

Groundwater chemical data collected from the Site property boundary suggest that shallow groundwater containing detectable concentrations of GRO and DRO may be in communication with the drainage channel forming the Site's western boundary. Concentrations of GRO and related compounds in soil do not exceed ESLs, and likely represent weathered fuel product.

In order to evaluate the potential impact to aquatic biota, Stantec compared groundwater chemical data to estuarine habitat ESLs established by the San Francisco Bay Regional Water Quality Control Board (RWQCB; December 2013). As detailed in the December 2013 ESL guidance document, tidally-influenced portions of creeks, rivers, and streams flowing into the San Francisco Bay between the Dumbarton Bridge and the Richmond-San Rafael Bridge should be considered to be 'estuarine' in screening level assessments (Section 4.2.1).

The comparison of analytical detections in groundwater to ESLs is summarized below:

- Reported DRO concentrations of 2,170 and 3,600 µg/L reported in two of four wells exceed the estuarine habitat ESL of 640 mg/L;
- The detected GRO concentrations do not exceed the estuarine ESL of 500 µg/L.
- The reported SVOC concentrations of fluorene (4.2 µg/l) in MW-10 exceeded the estuarine ESLs of 3.9 µg/L.
- All other detections do not exceed their respective estuarine habitat ESLs.

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Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
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Conclusions

The diesel-range petroleum hydrocarbons in groundwater beneath the northwestern site boundary are limited in magnitude and extent. The low concentrations of naphthalene and other SVOCS suggest an aged, weathered fuel product that will likely continue to degrade over time. Although concentrations of DRO at two locations exceed the aquatic habitat screening level, the screening criterion represents a direct-exposure screening level for aquatic biota and does not consider dilution effects between groundwater and surface water. The detections of the SVOC fluorene is low and within an order of magnitude of the ESL.

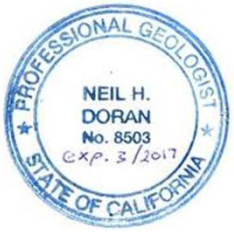
Recommendation

Based on the data, Stantec recommends the preparation of a site-specific ecological risk assessment screening evaluation to evaluate the potential threat to aquatic habitat.

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

Reference: **Shallow Well Installation and Sampling Report**
Former Penske Truck Leasing Facility 725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354

List of Attachments

Table 1 –Soil Sample Analytical Results
Table 2 –Groundwater Sample Analytical Results

Figure 1 – Site Location Map
Figure 2 – Site Vicinity Map
Figure 3 – Site Plan
Figure 4 – 2015 Groundwater Monitoring Well Sample Results

Attachment A – Drilling Permits
Attachment B – Borehole Logs
Attachment C – Groundwater Sample Field Data Sheets
Attachment D – Laboratory Reports

TABLES

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	0.349	0. 476	ND<0.064	ND<0.064	ND<0.064	ND<0.064	ND<0.064	0.068	ND<0.32	ND<0.32	ND<0.064	ND<0.32	ND<0.32	ND<0.32
MW-10	07/24/15	6.0	0.971	0.0	0.0148	0.0204	0.0253	0.0279	0.0148	0.0306	ND<0.064	0.1540	0.0218	0.3660	0.2470	ND<0.064
MW-11	07/24/15	4.5	23.1	ND<2.10	0.0360	ND<0.033	ND<0.033	ND<0.033	ND<0.033	0.053	ND<0.17	0.516	ND<0.033	ND<0.17	0.721	ND<0.17
MW-12	07/24/15	5.0	2.09	ND<0.033	0.0471	0.0224	0.3170	0.0141	0.0231	0.0612	0.0443	0.110	0.0137	ND<0.033	0.1440	0.0897
ESLs - soil leaching			770	1	12	130	46	27	37	23	60	9	15	1.2*	11	85

Notes:

All results reported in micrograms per kilogram (mg/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.

Stantec

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

Well No.	Sample Date	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)
MW-9	07/24/15	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	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	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	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	1,610	**2,170**	ND <50	ND <1.0	ND <1.0	ND <1.0	ND <2.0	ND <0.48	0.60	2.1	ND <0.48	1.2	ND <0.48
ESLs		--	640	500	46	40	30	100	210	20	3.9	24*	4.6	2.0

Notes:

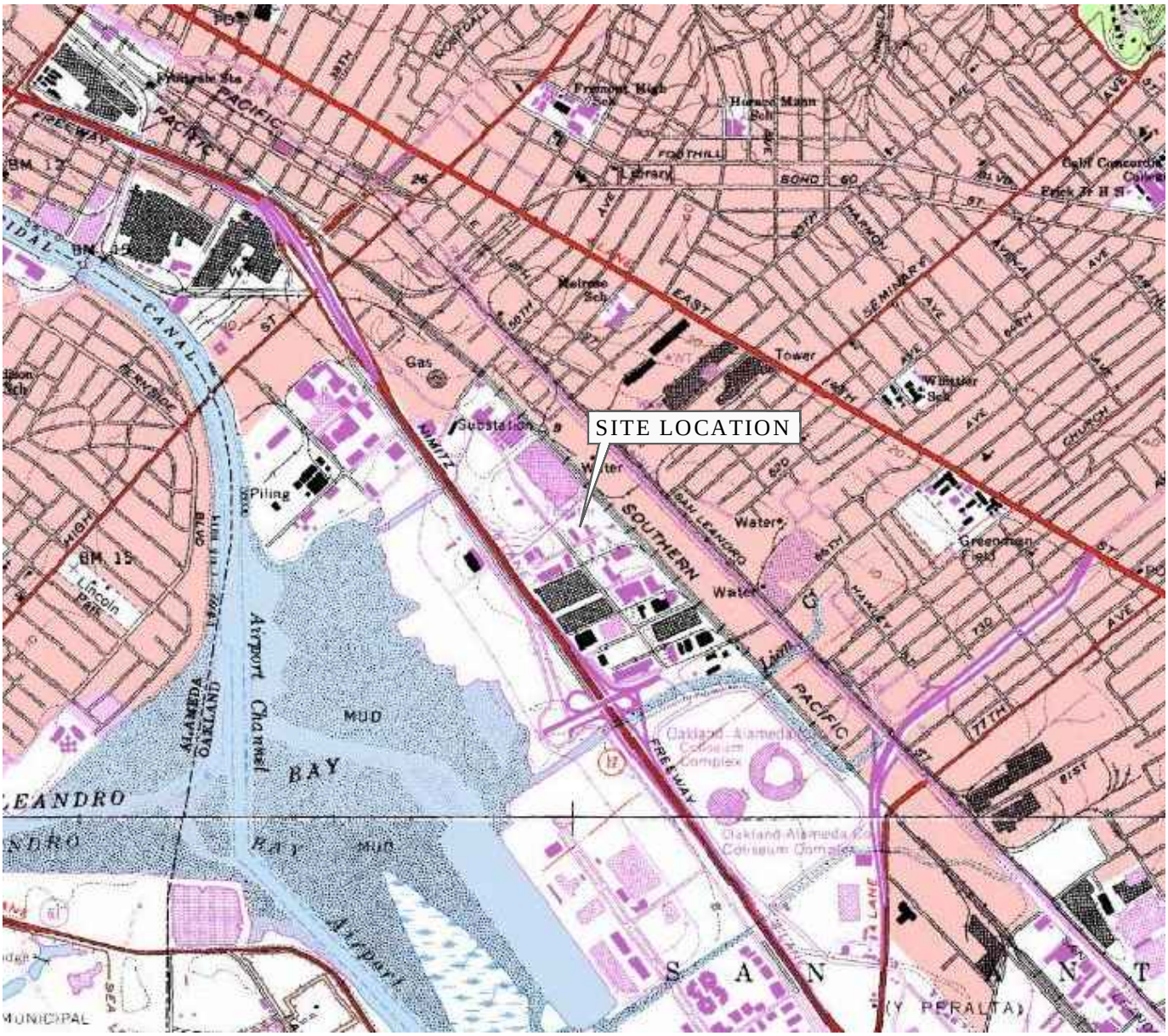
mg/L - milligrams per liter
µg/L - micrograms per liter
ft bgs - feet below ground surface
TPHg - Total Petroleum Hydrocarbons as gasoline
TDS Total Dissolved Solids
ND - Not detected at or above the laboratory detection limit
< - Indicates constituent not detected at or above specified reporting limit

ESLs Regional Water Quality Control Board, San Francisco Bay Region, Environmental Screening Levels, Surface Water Bodies (Estuarine) 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.

FIGURES



1 1/2 0 1

SCALE IN MILE

1000 0 1000 2000 3000 4000 5000 6000 7000

SCALE IN FEET

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

Stantec 1340 Treat Boulevard, Suite 300 Walnut Creek, CA 94597 PHONE: (925) 941-1400 FAX: (925) 941-1401	FOR: PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA	SITE LOCATION MAP			FIGURE: 1
	JOB NUMBER: 185702850.200.0001	DRAWN BY: RRR/STA	CHECKED BY: EH	APPROVED BY: EH	DATE: 09/29/15

FILEPATH:M:\PENSKE\PENSKE OAKLAND\2015\SLM.dwg|saguinaldo|Sep 29, 2015 at 20:32|Layout: SITE LOCATION MAP

LEGEND:

PROPERTY BOUNDARY

0 50 100

APPROXIMATE SCALE IN FEET

REFERENCE:

IMAGE ACQUIRED FROM GOOGLE EARTH PROFESSIONAL; 2014

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

Stantec
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Walnut Creek, CA 94597
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FOR:
PENSKE
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

SITE VICINITY MAP

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702850.300.0001	RRR	EH	EH	09/29/15

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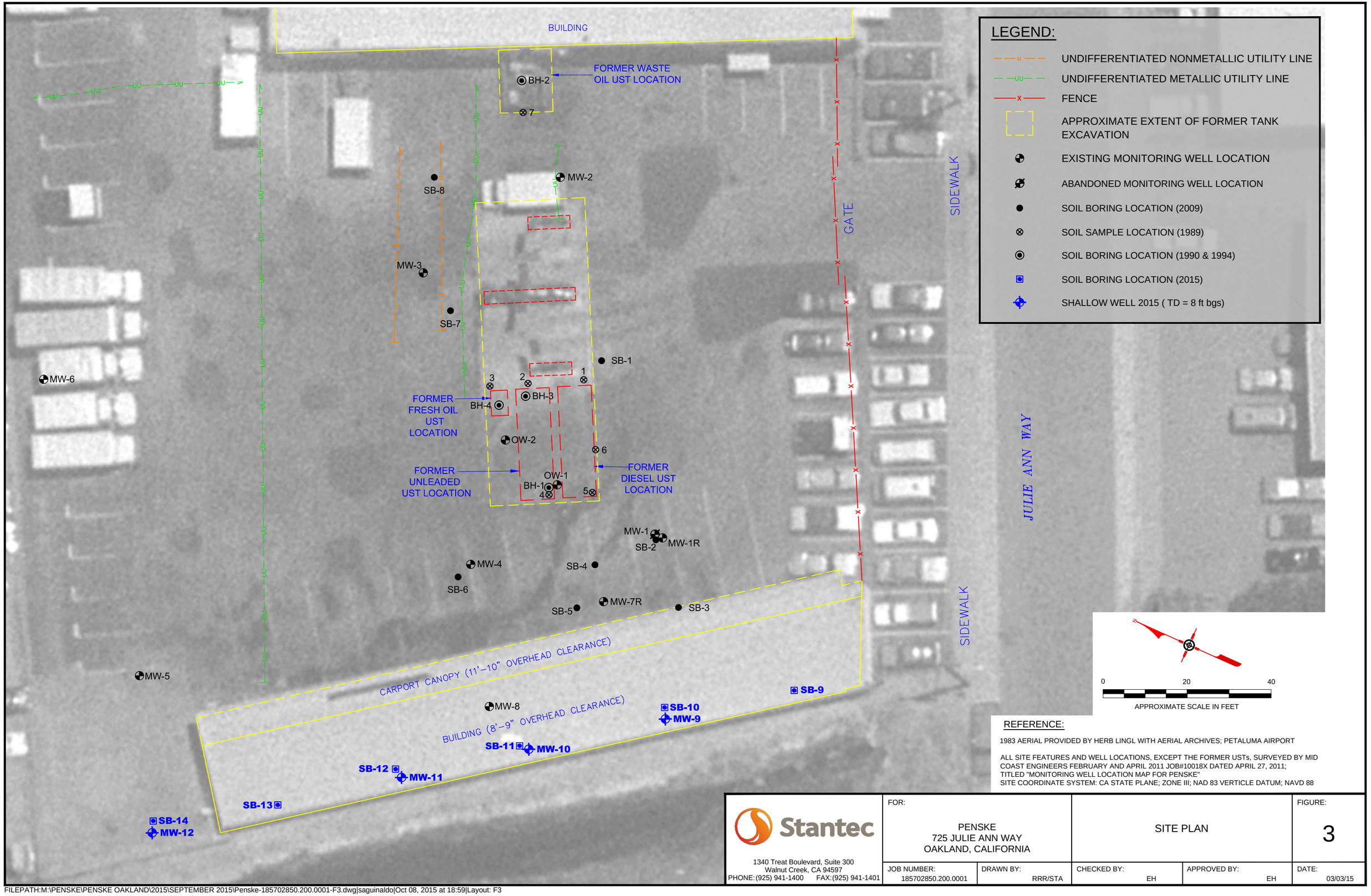

REFERENCE:

1983 AERIAL PROVIDED BY HERB LINGL WITH AERIAL ARCHIVES; PETALUMA AIRPORT

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

Stantec
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FOR:			
PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA		SITE PLAN	FIGURE: 3
JOB NUMBER: 185702850.200.0001	DRAWN BY: RRR/STA	CHECKED BY: EH	APPROVED BY: EH	DATE: 03/03/15

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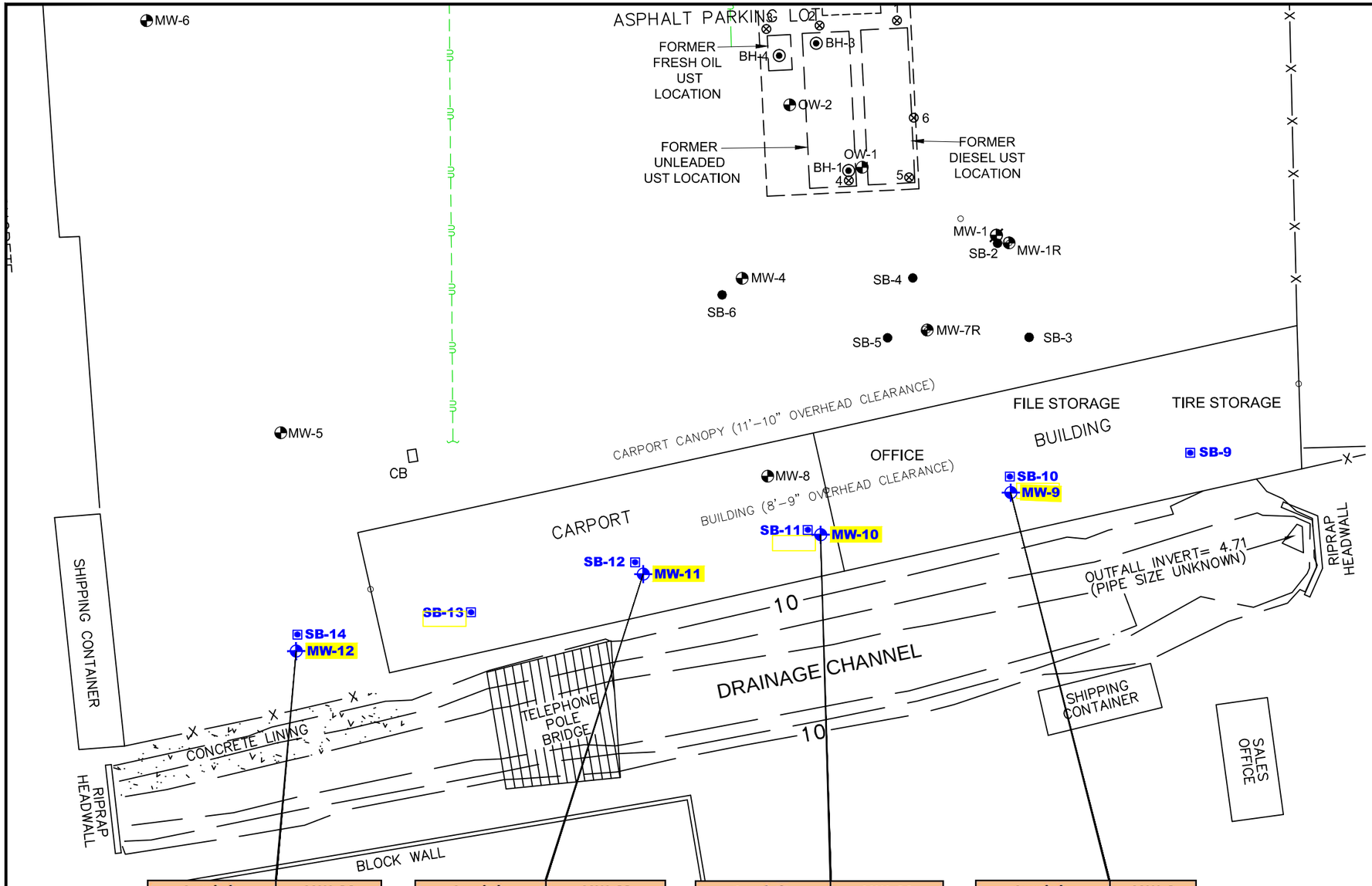


LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- CB — CATCH BASIN
- SB-9 — SOIL BORING LOCATION (2015)
- EXISTING MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL BORING LOCATION (2009)
- SOIL SAMPLE LOCATION (1989)
- SOIL BORING LOCATION (1990 & 1994)
- SHALLOW WELL 2015 (TD = 8 ft bgs)

Analyte	Unit
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)

Analyte	MW-12
TDS	**1610**
TPHd	**2,170**
TPHg	ND <50
Benzene	ND <1.0
Toluene	ND <1.0
Ethyl Benzene	ND <1.0
Xylenes	ND <2.0
Naphthalene	ND<0.48

Analyte	MW-11
TDS	**1430/1340**
TPHd	**622/624**
TPHg	ND <50/ND<50
Benzene	ND <1.0/ND<1.0
Toluene	ND <1.0/ND<1.0
Ethyl Benzene	ND <1.0/ND<1.0
Xylenes	ND <2.0/ND<2.0
Naphthalene	ND <0.40/N<0.48

Analyte	MW-10
TDS	**1730**
TPHd	**3,600**
TPHg	**120**
Benzene	ND <1.0
Toluene	ND <1.0
Ethyl Benzene	ND <1.0
Xylenes	ND <2.0
Naphthalene	ND <0.51

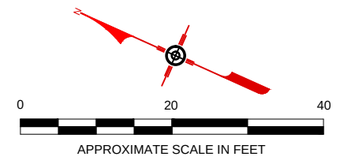
Analyte	MW-9
TDS	**1520**
TPHd	**382**
TPHg	3.07 J
Benzene	ND <1.0
Toluene	ND <1.0
Ethyl Benzene	ND <1.0
Xylenes	ND <2.0
Naphthalene	ND <0.51

ABBREVIATIONS:

mg/L = milligrams per liter
µg/L = micrograms per liter
ft bgs = feet below ground surface
TPHd = Total Petroleum Hydrocarbons as diesel
TPHg = Total Petroleum Hydrocarbons as gasoline
ND = Not detected at or above the laboratory reporting limit
< = Indicates constituent not detected at or above specified reporting limit
BOLD = Detected above laboratory reporting limit
J = Estimated value
622/624 = Primary/Duplicate

NOTES:

1. SAMPLES COLLECTED ON JULY 24, 2015.



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

2015
GROUNDWATER MONITORING WELL
SAMPLE RESULTS

FIGURE: 4

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702850.200.0001	RRR/STA	EH	EH	09/29/15

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ATTACHMENT A
DRILLING PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 07/21/2015 By jamesy

Permit Numbers: W2015-0633 to W2015-0636
Permits Valid from 07/23/2015 to 07/24/2015

Application Id: 1436464568644 **City of Project Site:** Oakland
Site Location: 725 Julie Ann Way, Oakland, CA
Project Start Date: 07/23/2015 **Completion Date:** 07/24/2015
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Applicant:	Stantec Consulting - Eva Hey 1340 Treat Blvd, Suite 300, Walnut Creek, CA 94597	**Phone:** 925-296-2101
Property Owner:	McKosker Equip Corp 1064 Via Baja, Lafayette, CA 94549	**Phone:** 925-989-1011
Client:	Penske Truck Leasing Co Lp 90 Box 7635, Reading, PA 19603	**Phone:** 610-775-6123
Contact:	Charles Melancon	**Phone:** 925-250-4564 **Cell:** 925-250-4564

Total Due: $1588.00
Receipt Number: WR2015-0354 **Total Amount Paid:** $1588.00
Payer Name : Eva Hey Paid By: VISA **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 4 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: Hand **Work Total: $1588.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2015-0633	07/21/2015	10/21/2015	MW-10	4.00 in.	1.00 in.	1.00 ft	10.00 ft
W2015-0634	07/21/2015	10/21/2015	MW-11	4.00 in.	1.00 in.	1.00 ft	10.00 ft
W2015-0635	07/21/2015	10/21/2015	MW-12	4.00 in.	1.00 in.	1.00 ft	10.00 ft
W2015-0636	07/21/2015	10/21/2015	MW-9	4.00 in.	1.00 in.	1.00 ft	10.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities

or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

5. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

6. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

8. Minimum surface seal thickness is two inches of cement grout placed by tremie.

9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

ATTACHMENT B
BOREHOLE LOGS

PROJECT: **Penske Oakland**
LOCATION: **725 Julie Ann Way, Oakland, CA**
PROJECT NUMBER: **185702858**

WELL/PROBEHOLE/BOREHOLE NO: **MW-9** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **7/23/15** COMPLETED: **7/23/15**
DRILLING COMPANY: **Gregg Drilling & Testing, Inc.**
DRILLING EQUIPMENT: **Hand Auger**
DRILLING METHOD: **Hand Auger**
SAMPLING EQUIPMENT: **Auger Bucket**

NORTHING (ft):
EASTING (ft):
LAT:
LONG:
GROUND ELEV (ft):
TOC ELEV (ft):
INITIAL DTW (ft): **5.5**
WELL DEPTH (ft): **8.0**
STATIC DTW (ft): **5.1**
DEPTH (ft): **8.0**
WELL CASING DIA. (in): **---**
BOREHOLE DIA. (in): **5**
LOGGED BY: **CM**
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			Asphalt							8" well box
		SM	**SILTY SAND WITH GRAVEL AND CLAY** ; SM; 5Y 4/2 olive gray; fine-grained; dense; dry; fine to coarse angular broken sandstone gravel (fill) (10,55,30,5)							Portland cement grout with 3-5% bentonite
										1" Sch. 40 Blank PVC casing
		CL-ML	**SILTY CLAY WITH GRAVEL AND SAND** ; CL-ML; 5Y 3/1 very dark dark gray; medium plasticity; stiff; dry; (10,10,25,55)							Bentonite pellets, hydrated
5									5	#3 Sand
		GM	**SILTY GRAVEL WITH SAND AND CLAY** ; GM; 5Y 2.5/1 black; fine to coarse-grained; dense; wet; angular broken rock (50,10,30,10)							
		OH	**ORGANIC CLAY** ; OH; 5Y 2.5/1 black; high plasticity; soft; moist; peaty organics (0,0,0,100)							0.020"Slotted Screen
			Borehole terminated at 8 feet.							Bottom Cap

GEO FORM 304 MW-9_10_11_12.GPJ 20150710.GDT 10/15/15

PROJECT: **Penske Oakland**
LOCATION: **725 Julie Ann Way, Oakland, CA**
PROJECT NUMBER: **185702858**

WELL/PROBEHOLE/BOREHOLE NO: **MW-10** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **7/23/15** COMPLETED: **7/23/15**
DRILLING COMPANY: **Gregg Drilling & Testing, Inc.**
DRILLING EQUIPMENT: **Hand Auger**
DRILLING METHOD: **Hand Auger**
SAMPLING EQUIPMENT: **Auger Bucket**

NORTHING (ft):
EASTING (ft):
LAT:
LONG:
GROUND ELEV (ft):
TOC ELEV (ft):
INITIAL DTW (ft): **5.25**
WELL DEPTH (ft): **8.0**
STATIC DTW (ft): **5.1**
DEPTH (ft): **8.0**
WELL CASING DIA. (in): **---**
BOREHOLE DIA. (in): **5**
LOGGED BY: **CM**
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			Asphalt							8" well box
		SM	**SILTY SAND WITH GRAVEL AND CLAY** ; SM; 5Y 4/2 olive gray; fine-grained; dense; dry; fine to coarse angular broken sandstone gravel (fill) (10,55,30,5)							Portland cement grout with 3-5% bentonite
			Concrete							Bentonite pellets, hydrated
		CL-ML	**SILTY CLAY WITH SAND AND GRAVEL** ; CL-ML; 5Y 3/1 very dark dark gray; medium plasticity; stiff; dry; (10,10,25,55)							
5			Bricks and pieces of concrete bricks Similar to above; wet, strong odor with hydrocarbon sheen						5	#3 Sand
		OH	**ORGANIC CLAY** ; OH; 5Y 2.5/1 black; high plasticity; soft; moist; peaty organics (0,0,0,100)							0.020"Slotted Screen
			Borehole terminated at 8 feet.							Bottom Cap

GEO FORM 304 MW-9_10_11_12.GPJ 20150710.GDT 10/15/15

PROJECT: **Penske Oakland**
LOCATION: **725 Julie Ann Way, Oakland, CA**
PROJECT NUMBER: **185702858**

WELL/PROBEHOLE/BOREHOLE NO: **MW-11** PAGE 1 OF 1

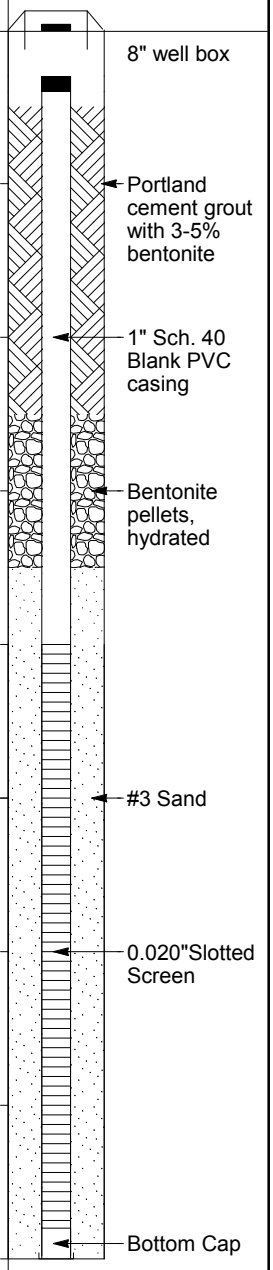
Stantec

DRILLING / INSTALLATION:
STARTED **7/23/15** COMPLETED: **7/23/15**
DRILLING COMPANY: **Gregg Drilling & Testing, Inc.**
DRILLING EQUIPMENT: **Hand Auger**
DRILLING METHOD: **Hand Auger**
SAMPLING EQUIPMENT: **Auger Bucket**

NORTHING (ft): EASTING (ft):
LAT: LONG:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **8.0**
STATIC DTW (ft): **Not Encountered** DEPTH (ft): **8.0**
WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **5**
LOGGED BY: **CM** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			Asphalt						
		SM	**SILTY SAND WITH GRAVEL AND CLAY** ; SM; 5Y 4/2 olive gray; fine-grained; dense; dry; fine to coarse angular broken sandstone gravel (fill) (10,55,30,5)						
		CL-ML	**SILTY CLAY WITH GRAVEL AND SAND** ; CL-ML; 5Y 3/1 very dark dark gray; medium plasticity; stiff; dry; (10,10,25,55)						
5		GM	**SILTY GRAVEL WITH SAND AND CLAY** ; GM; 5Y 2.5/1 black; fine to coarse-grained; dense; wet; angular rock and brick pieces, oily with strong odor (50,10,30,10)						5
		OH	**ORGANIC CLAY** ; OH; 5Y 2.5/1 black; high plasticity; soft; moist; zones of peaty organics (0,0,0,100)						
			Borehole terminated at 8 feet.						

Borehole Backfill



GEO FORM 304 MW-9_10_11_12.GPJ 20150710.GDT 10/15/15

PROJECT: **Penske Oakland**
LOCATION: **725 Julie Ann Way, Oakland, CA**
PROJECT NUMBER: **185702858**

WELL/PROBEHOLE/BOREHOLE NO: **MW-12** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **7/23/15** COMPLETED: **7/23/15**
DRILLING COMPANY: **Gregg Drilling & Testing, Inc.**
DRILLING EQUIPMENT: **Hand Auger**
DRILLING METHOD: **Hand Auger**
SAMPLING EQUIPMENT: **Auger Bucket**

NORTHING (ft): EASTING (ft):
LAT: LONG:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **8.0**
STATIC DTW (ft): **Not Encountered** DEPTH (ft): **8.0**
WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **5**
LOGGED BY: **CM** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			Asphalt							8" well box
		SM	**SILTY SAND WITH GRAVEL AND CLAY** ; SM; 5Y 4/2 olive gray; fine-grained; dense; dry; fine to coarse angular broken sandstone gravel (fill) (10,55,30,5)							Portland cement grout with 3-5% bentonite
										1" Sch. 40 Blank PVC casing
		CL-ML	**SILTY CLAY WITH SAND AND GRAVEL** ; CL-ML; 5Y 3/1 very dark dark gray; medium plasticity; stiff; dry; (10,10,25,55)							Bentonite pellets, hydrated
5									5	#3 Sand
		GM	**SILTY GRAVEL WITH SAND AND CLAY** ; GM; 5Y 2.5/1 black; fine to coarse-grained; dense; wet; angular broken rock, HC sheen, moderate odor (50,10,30,10)							
		OH	**ORGANIC CLAY** ; OH; 5Y 2.5/1 black; high plasticity; soft; moist; zones of peaty organics (0,0,0,100)							0.020"Slotted Screen
			Borehole terminated at 8 feet.							Bottom Cap

GEO FORM 304 MW-9_10_11_12.GPJ 20150710.GDT 10/15/15

ATTACHMENT C
GROUNDWATER SAMPLE
FIELD DATA SHEETS

Stantec

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 185702858 | PURGED BY: C. Melancon | WELL I.D.: MW-9

CLIENT NAME: Penske | SAMPLED BY: C. Melancon | SAMPLE I.D.: MW-9

LOCATION: 725 Julie Ann Way, Oakland CA | QA SAMPLES:

DATE PURGED 7-24-15 | START (2400hr) 1050 | END (2400hr) 1115

DATE SAMPLED 7-24-15 | SAMPLE TIME (2400hr) 1420

SAMPLE TYPE: Groundwater X | Surface Water ___ | Treatment Effluent ___ | Other ___

CASING DIAMETER: 2" ___ (0.17) | 3" ___ (0.38) | 4" ___ (0.67) | 5" ___ (1.02) | 6" ___ (1.50) | 8" ___ (2.60) | Other 1" (0.04)

Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = 7.55 | CASING VOLUME (gal) = 0.11

DEPTH TO WATER (feet) = 4.71 | CALCULATED PURGE (gal) = 1.14 (x10)

WATER COLUMN HEIGHT (feet) = 2.84 | ACTUAL PURGE (gal) = 2.2

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
7-24	1055	0.5	19.5	2350	7.55	Black	High
↓	1100	1.0	19.2	2090	7.53	"	"
	1105	1.5	19.1	2260	7.51	Grey	"
	1110	2.0*	19.2	2150	7.47	"	"

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 4.74 | SAMPLE TURBIDITY: High-Med.

80% RECHARGE: X YES ___ NO | ANALYSES: ___

ODOR: Faint | SAMPLE VESSEL / PRESERVATIVE: ___

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristalic Pump
___ Bailer (Disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ___

Other: ___

Pump Depth: ___

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristalic Pump
___ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated ___

Other: ___

WELL INTEGRITY: good | LOCK#: ___

REMARKS: * going dry ; SPH sheen on water

Post Purge D.O. = ___

Post Purge ORP = ___ | Post Purge Fe(II) = ___

SIGNATURE: CM | Page ___ of ___

Stantec

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 185702858 | PURGED BY: C. Melancon | WELL I.D.: MW-10

CLIENT NAME: Penske | SAMPLED BY: C. Melancon | SAMPLE I.D.: MW-10

LOCATION: 725 Julie Ann Way, Oakland CA | QA SAMPLES: _____

DATE PURGED 7-24-15 | START (2400hr) 955 | END (2400hr) 1020

DATE SAMPLED 7-24-15 | SAMPLE TIME (2400hr) 1330

SAMPLE TYPE: Groundwater X | Surface Water ____ | Treatment Effluent ____ | Other ____

CASING DIAMETER: 2" ____ 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other 1" (0.04)

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60)

DEPTH TO BOTTOM (feet) = 7.30 | CASING VOLUME (gal) = 0.11

DEPTH TO WATER (feet) = 4.65 | CALCULATED PURGE (gal) = 1.06 (x10)

WATER COLUMN HEIGHT (feet) = 2.65 | ACTUAL PURGE (gal) = 2.3

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
7-24	1000	0.5	19.2	2310	7.43	Black	High
↓	1005	1.0	18.8	3680	7.57	grey	"
	1010	1.5	18.6	4630	7.69	grey	"
	1015	2.0	18.7	5300	7.74	cloudy	Mod.
	1020	2.3 *	18.7	5050	7.72	"	"

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 4.69 | SAMPLE TURBIDITY: Mod.

80% RECHARGE: X YES ___ NO | ANALYSES: _____

ODOR: Mod. | SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristalic Pump
___ Bailer (Disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristalic Pump
___ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated _____

Other: _____

WELL INTEGRITY: good | LOCK#: _____

REMARKS: * Wet + dry

Post Purge D.O. = _____

Post Purge ORP = _____ | Post Purge Fe(II) = _____

SIGNATURE: CM | Page ___ of ___

Stantec

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 185702858 | PURGED BY: C. Melancon | WELL I.D.: MW-11
CLIENT NAME: Penske | SAMPLED BY: C. Melancon | SAMPLE I.D.: MW-11
LOCATION: 725 Julie Ann Way, Oakland CA | QA SAMPLES: DUP-1

DATE PURGED 7-24-15 | START (2400hr) 910 | END (2400hr) 935
DATE SAMPLED 7-24-15 | SAMPLE TIME (2400hr) 1240
SAMPLE TYPE: Groundwater X | Surface Water ____ | Treatment Effluent ____ | Other ____

CASING DIAMETER: 2" ____ 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other 1" (0.04)
Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60)

DEPTH TO BOTTOM (feet) = 7.65 | CASING VOLUME (gal) = 0.12
DEPTH TO WATER (feet) = 4.55 | CALCULATED PURGE (gal) = 1.24 (x10)
WATER COLUMN HEIGHT (feet) = 3.10 | ACTUAL PURGE (gal) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
7-24	915	0.5	19.4	2410	7.51	Black	High
	920	1.0	19.6	2010	7.47	Grey	"
	925	1.5	19.6	1869	7.40	Cloudy	Low
	930	2.0	19.6	1859	7.37	Clear	"
↓	935	2.5	19.6	1837	7.34	"	"

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 4.55 | SAMPLE TURBIDITY: low

80% RECHARGE: X YES ___ NO | ANALYSES: ____
ODOR: MOD. | SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristalic Pump
___ Bailer (Disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ____
Other: ____
Pump Depth: ____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristalic Pump
___ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated ____
Other: ____

WELL INTEGRITY: good | LOCK#: ____
REMARKS: SPH Sheen initially but seems to have developed out.
Post Purge D.O. = ____
Post Purge ORP = ____ | Post Purge Fe(II) = ____

SIGNATURE: CM | Page ___ of ___

Stantec

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 185702858 | PURGED BY: C. Melancon | WELL I.D.: MW-12
CLIENT NAME: Penske | SAMPLED BY: C. Melancon | SAMPLE I.D.: MW-12
LOCATION: 725 Julie Ann Way, Oakland CA | QA SAMPLES: TB-1 (700)

DATE PURGED 7-24-15 | START (2400hr) 730 | END (2400hr) 755
DATE SAMPLED 7-24-15 | SAMPLE TIME (2400hr) 1210
SAMPLE TYPE: Groundwater X | Surface Water ___ | Treatment Effluent ___ | Other ___

CASING DIAMETER: 2" ___ (0.17) | 3" ___ (0.38) | 4" ___ (0.67) | 5" ___ (1.02) | 6" ___ (1.50) | 8" ___ (2.60) | Other 1" (0.04)
Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = 7.65 | CASING VOLUME (gal) = 0.13
DEPTH TO WATER (feet) = 4.50 | CALCULATED PURGE (gal) = 1.26 (x10)
WATER COLUMN HEIGHT (feet) = 3.15 | ACTUAL PURGE (gal) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
7-24	735	0.5	20.6	2490	7.16	Black	High
	740	1.0	20.7	2750	7.24	grey	"
	745	1.5	20.1	3900	7.25	cloudy	Mod.
	750	2.0	20.0	4540	7.25	clear	low
↓	755	2.5	20.0	4740	7.26	clear	"

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 4.52 | SAMPLE TURBIDITY: low

80% RECHARGE: X YES ___ NO | ANALYSES: ___
ODOR: mod. | SAMPLE VESSEL / PRESERVATIVE: ___

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristaltic Pump
___ Bailer (Disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ___
Other: ___
Pump Depth: ___

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristaltic Pump
___ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated ___
Other: ___

WELL INTEGRITY: good | LOCK#: ___
REMARKS: SPH Sheen
Post Purge D.O. = ___
Post Purge ORP = ___ | Post Purge Fe(II) = ___
SIGNATURE: CM | Page ___ of ___

ATTACHMENT D
LABORATORY REPORTS

Northern California ACCUTEST LABORATORIES

Reissue #1
10/15/15

Technical Report for

Penske Truck Leasing Co., L.P.

STANCAWC:T0600101062-725 Julie Ann Way Oakland

185702858.200.0003

Accutest Job Number: C40913

Sampling Date: 07/24/15

Report to:

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

ATTN: Eva Hey

Total number of pages in report: **51**

NELAP ACCREDITED TNI LABORATORY

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

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

October 15, 2015

Eva Hey
Stantec Consulting
1340 Treat Blvd, Suite 300
Walnut Creek, CA

Re: Accutest Job # C40913 Reissue

Dear Ms. Hey,

The final report for Accutest Job # **C40913**, original report dated 8/10/2015, has been edited to reflect requested corrections.

The data has been revised to report to the RL for all analyses as per your request. Revised result pages have been incorporated into this revised report.

Please contact us at 408-588-0200 if we can be of further assistance in this matter, or if you have any questions regarding this data report.

Sincerely,

Accutest Laboratories

Sections: 1 2 3 4 5 6 7 8

Table of Contents

-1-

Accutest Laboratories

Sample Summary

Penske Truck Leasing Co., L.P.

Job No: C40913

STANCAWC:T0600101062-725 Julie Ann Way Oakland
Project No: 185702858.200.0003

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40913-1	07/24/15	14:20	CM	07/24/15	AQ	Ground Water	MW-9
C40913-2	07/24/15	13:30	CM	07/24/15	AQ	Ground Water	MW-10
C40913-3	07/24/15	12:40	CM	07/24/15	AQ	Ground Water	MW-11
C40913-4	07/24/15	12:10	CM	07/24/15	AQ	Ground Water	MW-12
C40913-5	07/24/15	00:00	CM	07/24/15	AQ	Ground Water	DUPLICATE
C40913-6	07/24/15	00:00	CM	07/24/15	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: C40913
Account: Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland
Collected: 07/24/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40913-1	**MW-9**					
1-Methylnaphthalene		2.7	0.51		ug/l	SW846 8270C BY SIM
TPH (C10-C28)		0.382	0.10		mg/l	SW846 8015B M
Solids, Total Dissolved		1520	10		mg/l	SM2540 C-97
C40913-2	**MW-10**					
TPH-GRO (C6-C10)		120	50		ug/l	SW846 8260B
Acenaphthene		1.0	0.51		ug/l	SW846 8270C BY SIM
Fluorene		4.2	0.51		ug/l	SW846 8270C BY SIM
1-Methylnaphthalene		8.2	0.51		ug/l	SW846 8270C BY SIM
Phenanthrene		3.0	0.51		ug/l	SW846 8270C BY SIM
TPH (C10-C28)		3.60	0.31		mg/l	SW846 8015B M
Solids, Total Dissolved		1730	20		mg/l	SM2540 C-97
C40913-3	**MW-11**					
Acenaphthene		0.76	0.48		ug/l	SW846 8270C BY SIM
Fluorene		2.1	0.48		ug/l	SW846 8270C BY SIM
1-Methylnaphthalene		2.0	0.48		ug/l	SW846 8270C BY SIM
Phenanthrene		0.97	0.48		ug/l	SW846 8270C BY SIM
TPH (C10-C28)		0.622	0.095		mg/l	SW846 8015B M
Solids, Total Dissolved		1430	10		mg/l	SM2540 C-97
C40913-4	**MW-12**					
Acenaphthene		0.60	0.48		ug/l	SW846 8270C BY SIM
Fluorene		2.1	0.48		ug/l	SW846 8270C BY SIM
Phenanthrene		1.2	0.48		ug/l	SW846 8270C BY SIM
TPH (C10-C28)		2.17	0.19		mg/l	SW846 8015B M
Solids, Total Dissolved		1610	10		mg/l	SM2540 C-97
C40913-5	**DUPLICATE**					
TPH-GRO (C6-C10)		51.5	50		ug/l	SW846 8260B
Acenaphthene		0.78	0.48		ug/l	SW846 8270C BY SIM
Fluorene		2.0	0.48		ug/l	SW846 8270C BY SIM
1-Methylnaphthalene		1.7	0.48		ug/l	SW846 8270C BY SIM
Phenanthrene		0.92	0.48		ug/l	SW846 8270C BY SIM
TPH (C10-C28)		0.624	0.095		mg/l	SW846 8015B M
Solids, Total Dissolved		1340	10		mg/l	SM2540 C-97

Summary of Hits

Job Number: C40913
Account: Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland
Collected: 07/24/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40913-6	**TRIP BLANK**					

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	C40913-1	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R35951.D	1	07/29/15	TN	n/a	n/a	VR1358
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics+ GRO

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
	TPH-GRO (C6-C10)	ND	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

ND = Not detected
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-9		
Lab Sample ID:	C40913-1	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T19902.D	1	07/30/15	BJ	07/28/15	OP12749	ET900
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.51	ug/l	
208-96-8	Acenaphthylene	ND	0.51	ug/l	
120-12-7	Anthracene	ND	0.51	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.10	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.10	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	ug/l	
218-01-9	Chrysene	ND	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	ug/l	
206-44-0	Fluoranthene	ND	0.51	ug/l	
86-73-7	Fluorene	ND	0.51	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	ug/l	
90-12-0	1-Methylnaphthalene	2.7	0.51	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.51	ug/l	
91-20-3	Naphthalene	ND	0.51	ug/l	
85-01-8	Phenanthrene	ND	0.51	ug/l	
129-00-0	Pyrene	ND	0.51	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		42-116%
321-60-8	2-Fluorobiphenyl	75%		44-115%
1718-51-0	Terphenyl-d14	76%		45-141%

ND = Not detected
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-9		
Lab Sample ID:	C40913-1	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH325061.D	1	07/28/15	NN	07/28/15	OP12748	GHH1583
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	Units	Q
	TPH (C10-C28)	0.382	0.10	mg/l	

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

ND = Not detected
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-9		
Lab Sample ID:	C40913-1	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
		Percent Solids:	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	1520	10	mg/l	1	07/27/15 19:30	DQ	SM2540 C-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	C40913-2	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R35952.D	1	07/29/15	TN	n/a	n/a	VR1358
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics+ GRO

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
	TPH-GRO (C6-C10)	120	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected
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-10		
Lab Sample ID:	C40913-2	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T19903.D	1	07/30/15	BJ	07/28/15	OP12749	ET900
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	1.0	0.51	ug/l	
208-96-8	Acenaphthylene	ND	0.51	ug/l	
120-12-7	Anthracene	ND	0.51	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.10	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.10	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	ug/l	
218-01-9	Chrysene	ND	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	ug/l	
206-44-0	Fluoranthene	ND	0.51	ug/l	
86-73-7	Fluorene	4.2	0.51	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	ug/l	
90-12-0	1-Methylnaphthalene	8.2	0.51	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.51	ug/l	
91-20-3	Naphthalene	ND	0.51	ug/l	
85-01-8	Phenanthrene	3.0	0.51	ug/l	
129-00-0	Pyrene	ND	0.51	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		42-116%
321-60-8	2-Fluorobiphenyl	71%		44-115%
1718-51-0	Terphenyl-d14	85%		45-141%

ND = Not detected
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-10		
Lab Sample ID:	C40913-2	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH325085.D	3	07/29/15	NN	07/28/15	OP12748	GHH1584
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	Units	Q
	TPH (C10-C28)	3.60	0.31	mg/l	

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

ND = Not detected
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-10		
Lab Sample ID:	C40913-2	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
		Percent Solids:	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	1730	20	mg/l	2	07/27/15 19:30	DQ	SM2540 C-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	C40913-3	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R35956.D	1	07/29/15	TN	n/a	n/a	VR1358
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics+ GRO

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
	TPH-GRO (C6-C10)	ND	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected
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-11		
Lab Sample ID:	C40913-3	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T19904.D	1	07/30/15	BJ	07/28/15	OP12749	ET900
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	0.76	0.48	ug/l	
208-96-8	Acenaphthylene	ND	0.48	ug/l	
120-12-7	Anthracene	ND	0.48	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.095	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.095	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.095	ug/l	
218-01-9	Chrysene	ND	0.095	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.095	ug/l	
206-44-0	Fluoranthene	ND	0.48	ug/l	
86-73-7	Fluorene	2.1	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.095	ug/l	
90-12-0	1-Methylnaphthalene	2.0	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.48	ug/l	
91-20-3	Naphthalene	ND	0.48	ug/l	
85-01-8	Phenanthrene	0.97	0.48	ug/l	
129-00-0	Pyrene	ND	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		42-116%
321-60-8	2-Fluorobiphenyl	64%		44-115%
1718-51-0	Terphenyl-d14	73%		45-141%

ND = Not detected
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-11		
Lab Sample ID:	C40913-3	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH325063.D	1	07/28/15	NN	07/28/15	OP12748	GHH1583
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	Units	Q
	TPH (C10-C28)	0.622	0.095	mg/l	

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

ND = Not detected
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-11		
Lab Sample ID:	C40913-3	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
		Percent Solids:	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	1430	10	mg/l	1	07/27/15 19:30	DQ	SM2540 C-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	C40913-4	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R35975.D	1	07/30/15	TN	n/a	n/a	VR1359
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics+ GRO

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
	TPH-GRO (C6-C10)	ND	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected
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-12		
Lab Sample ID:	C40913-4	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T19905.D	1	07/30/15	BJ	07/28/15	OP12749	ET900
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	0.60	0.48	ug/l	
208-96-8	Acenaphthylene	ND	0.48	ug/l	
120-12-7	Anthracene	ND	0.48	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.095	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.095	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.095	ug/l	
218-01-9	Chrysene	ND	0.095	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.095	ug/l	
206-44-0	Fluoranthene	ND	0.48	ug/l	
86-73-7	Fluorene	2.1	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.095	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.48	ug/l	
91-20-3	Naphthalene	ND	0.48	ug/l	
85-01-8	Phenanthrene	1.2	0.48	ug/l	
129-00-0	Pyrene	ND	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		42-116%
321-60-8	2-Fluorobiphenyl	70%		44-115%
1718-51-0	Terphenyl-d14	77%		45-141%

ND = Not detected
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-12		
Lab Sample ID:	C40913-4	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH325086.D	2	07/29/15	NN	07/28/15	OP12748	GHH1584
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	Units	Q
	TPH (C10-C28)	2.17	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	75%		32-124%

ND = Not detected
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-12		
Lab Sample ID:	C40913-4	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
		Percent Solids:	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	1610	10	mg/l	1	07/27/15 19:30	DQ	SM2540 C-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUPLICATE		
Lab Sample ID:	C40913-5	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R35982.D	1	07/30/15	TN	n/a	n/a	VR1359
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics+ GRO

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
	TPH-GRO (C6-C10)	51.5	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected
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:	DUPLICATE		
Lab Sample ID:	C40913-5	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T19906.D	1	07/30/15	BJ	07/28/15	OP12749	ET900
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	0.78	0.48	ug/l	
208-96-8	Acenaphthylene	ND	0.48	ug/l	
120-12-7	Anthracene	ND	0.48	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.095	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.095	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.095	ug/l	
218-01-9	Chrysene	ND	0.095	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.095	ug/l	
206-44-0	Fluoranthene	ND	0.48	ug/l	
86-73-7	Fluorene	2.0	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.095	ug/l	
90-12-0	1-Methylnaphthalene	1.7	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.48	ug/l	
91-20-3	Naphthalene	ND	0.48	ug/l	
85-01-8	Phenanthrene	0.92	0.48	ug/l	
129-00-0	Pyrene	ND	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		42-116%
321-60-8	2-Fluorobiphenyl	69%		44-115%
1718-51-0	Terphenyl-d14	81%		45-141%

ND = Not detected
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:	DUPLICATE		
Lab Sample ID:	C40913-5	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH325065.D	1	07/28/15	NN	07/28/15	OP12748	GHH1583
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	Units	Q
	TPH (C10-C28)	0.624	0.095	mg/l	

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

ND = Not detected
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:	DUPLICATE		
Lab Sample ID:	C40913-5	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/24/15
		Percent Solids:	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	1340	10	mg/l	1	07/27/15 19:30	DQ	SM2540 C-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	C40913-6	**Date Sampled:**	07/24/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R35950.D	1	07/29/15	TN	n/a	n/a	VR1358
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics+ GRO

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
	TPH-GRO (C6-C10)	ND	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%

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

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest NC Job #: C C40913

Client / Reporting Information

Company Name: Stantec Consulting
Address: 1340 Treat Blvd, Suite 300
City: Walnut Creek State: CA Zip: 94597
Project Contact: Eva Hey
Phone #: 925-296-2101
Samplers's Name: Charles Melancon

Project Information

Project Name: Penske - Oakland
Street: 725 Julie Ann Way
City: Oakland State: CA
Project #: 185702858.200.0003
EMAIL: eva.hey@stantec.com
Client Purchase Order #: Penske CA-016 Proj# 4871

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection: Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	TPH's BTEX	TPHd with S.G.C.	TDS 160.1	SVOCs w. Naphthalene
1	MW-9	7/24	1420	CM	GW	11	X								X	X	X	X
2	MW-10	7/24	1330	CM	GW										X	X	X	X
3	MW-11	7/24	1240	CM	GW										X	X	X	X
4	MW-12	7/24	1210	CM	GW										X	X	X	X
5	Duplicate	7/24	—	CM	GW										X	X	X	X
6	TRIP BLANKS				CW	4												

Matrix Codes

WW- Wastewater
GW- Ground Water
SW- Surface Water
SO- Soil
OI-Oil
WP-Wipe
LIQ - Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

LAB USE ONLY

Turnaround Time (Business days)

Approved By / Date:

- [ ] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commercial "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [x] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID: T0600101162
- Provide EDF Logcode:

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		7-24-15		2	7-24-15 16:50	2
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Appropriate Bottle / Pres. Y / N Labels match Coc? Y / N	Headspace Y / N Separate Receiving Check List used: Y / N

On Ice Y / N
Cooler Temp. 3.8-0=3.7 °C
4.1 -0.4=4.0

C40913: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C40913 **Client:** STANTEC CONSULTING **Project:** PENSKE OAKLAND

Date / Time Received: 7/24/2015 4:50:00 PM **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (3.8/3.7); #2: (4.1/4);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Therm ID:	IR2;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☑		☐	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments trip blank not orginally listed on the coc.

Accutest Laboratories
V:408.588.0200
2105 Lundy Avenue
F: 408.588.0201
San Jose, CA 95131
www/accutest.com

C40913: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR1358-MB	R35945.D	1	07/29/15	TN	n/a	n/a	VR1358

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

C40913-1, C40913-2, C40913-3, C40913-6

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
	TPH-GRO (C6-C10)	ND	50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	93%	70-130%

Method Blank Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR1359-MB	R35970.D	1	07/30/15	TN	n/a	n/a	VR1359

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

C40913-4, C40913-5

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
	TPH-GRO (C6-C10)	ND	50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR1358-BS	R35942.D	1	07/29/15	TN	n/a	n/a	VR1358
VR1358-BSD	R35943.D	1	07/29/15	TN	n/a	n/a	VR1358

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

C40913-1, C40913-2, C40913-3, C40913-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	21.6	108	19.8	99	9	77-122/25
100-41-4	Ethylbenzene	20	21.5	108	19.8	99	8	76-126/17
108-88-3	Toluene	20	20.7	104	19.1	96	8	75-122/17
1330-20-7	Xylene (total)	60	63.6	106	58.8	98	8	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	105%	107%	70-130%
2037-26-5	Toluene-D8	100%	99%	70-130%
460-00-4	4-Bromofluorobenzene	100%	101%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR1359-BS	R35967.D	1	07/30/15	TN	n/a	n/a	VR1359
VR1359-BSD	R35968.D	1	07/30/15	TN	n/a	n/a	VR1359

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

C40913-4, C40913-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	21.0	105	20.5	103	2	77-122/25
100-41-4	Ethylbenzene	20	21.4	107	20.6	103	4	76-126/17
108-88-3	Toluene	20	20.7	104	19.9	100	4	75-122/17
1330-20-7	Xylene (total)	60	63.7	106	61.3	102	4	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	104%	70-130%
2037-26-5	Toluene-D8	100%	99%	70-130%
460-00-4	4-Bromofluorobenzene	100%	101%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR1358-LCS	R35944.D	1	07/29/15	TN	n/a	n/a	VR1358

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

C40913-1, C40913-2, C40913-3, C40913-6

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
	TPH-GRO (C6-C10)	125	150	120	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR1359-LCS	R35969.D	1	07/30/15	TN	n/a	n/a	VR1359

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

C40913-4, C40913-5

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
	TPH-GRO (C6-C10)	125	162	130	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40882-2MS	R35953.D	5	07/29/15	TN	n/a	n/a	VR1358
C40882-2MSD	R35954.D	5	07/29/15	TN	n/a	n/a	VR1358
C40882-2	R35947.D	5	07/29/15	TN	n/a	n/a	VR1358

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

C40913-1, C40913-2, C40913-3, C40913-6

CAS No.	Compound	C40882-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.4	J	100	106	105	100	97.5	96	8	77-122/16
100-41-4	Ethylbenzene	ND		100	107	107	100	97.9	98	9	76-126/17
108-88-3	Toluene	ND		100	103	103	100	93.4	93	10	75-122/17
1330-20-7	Xylene (total)	ND		300	317	106	300	289	96	9	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C40882-2	Limits
1868-53-7	Dibromofluoromethane	104%	102%	109%	70-130%
2037-26-5	Toluene-D8	100%	98%	99%	70-130%
460-00-4	4-Bromofluorobenzene	100%	102%	92%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40887-1MS	R35979.D	10	07/30/15	TN	n/a	n/a	VR1359
C40887-1MSD	R35980.D	10	07/30/15	TN	n/a	n/a	VR1359
C40887-1	R35978.D	10	07/30/15	TN	n/a	n/a	VR1359

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

C40913-4, C40913-5

CAS No.	Compound	C40887-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	168		200	389	111	200	401	117	3	77-122/16
100-41-4	Ethylbenzene	330		200	578	124 [a]	200	594	132* [b]	3	76-126/17
108-88-3	Toluene	2.1	J	200	215	106	200	219	108	2	75-122/17
1330-20-7	Xylene (total)	ND		600	655	109	600	668	111	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C40887-1	Limits
1868-53-7	Dibromofluoromethane	104%	104%	106%	70-130%
2037-26-5	Toluene-D8	98%	99%	94%	70-130%
460-00-4	4-Bromofluorobenzene	100%	99%	95%	70-130%

(a) Outside DOD-QSM control limits; within laboratory control limits.
(b) Outside laboratory/DOD-QSM control limits.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12749-MB	T19894.D	1	07/29/15	BJ	07/28/15	OP12749	ET899

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

C40913-1, C40913-2, C40913-3, C40913-4, C40913-5

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.50	ug/l	
208-96-8	Acenaphthylene	ND	0.50	ug/l	
120-12-7	Anthracene	ND	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.10	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.10	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	ug/l	
218-01-9	Chrysene	ND	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	ug/l	
206-44-0	Fluoranthene	ND	0.50	ug/l	
86-73-7	Fluorene	ND	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.50	ug/l	
91-20-3	Naphthalene	ND	0.50	ug/l	
85-01-8	Phenanthrene	ND	0.50	ug/l	
129-00-0	Pyrene	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	64%	42-116%
321-60-8	2-Fluorobiphenyl	65%	44-115%
1718-51-0	Terphenyl-d14	96%	45-141%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12749-BS	T19892.D	1	07/29/15	BJ	07/28/15	OP12749	ET899
OP12749-BSD	T19893.D	1	07/29/15	BJ	07/28/15	OP12749	ET899

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

C40913-1, C40913-2, C40913-3, C40913-4, C40913-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	5	3.6	72	3.7	74	3	54-108/21
208-96-8	Acenaphthylene	5	3.6	72	3.6	72	0	53-108/22
120-12-7	Anthracene	5	3.7	74	3.9	78	5	58-111/19
56-55-3	Benzo(a)anthracene	5	4.2	84	4.3	86	2	59-120/14
50-32-8	Benzo(a)pyrene	5	3.3	66	3.6	72	9	53-113/18
205-99-2	Benzo(b)fluoranthene	5	3.6	72	4.4	88	20* [a]	57-127/18
191-24-2	Benzo(g,h,i)perylene	5	3.6	72	3.8	76	5	52-126/21
207-08-9	Benzo(k)fluoranthene	5	4.5	90	4.6	92	2	60-125/16
218-01-9	Chrysene	5	4.0	80	4.1	82	2	63-120/14
53-70-3	Dibenzo(a,h)anthracene	5	2.9	58	3.3	66	13	53-127/22
206-44-0	Fluoranthene	5	4.0	80	4.3	86	7	59-123/17
86-73-7	Fluorene	5	3.6	72	3.8	76	5	57-113/21
193-39-5	Indeno(1,2,3-cd)pyrene	5	2.6	52	3.2	64	21	48-130/22
90-12-0	1-Methylnaphthalene	5	3.4	68	3.5	70	3	51-104/24
91-57-6	2-Methylnaphthalene	5	3.4	68	3.4	68	0	52-108/25
91-20-3	Naphthalene	5	3.1	62	3.3	66	6	51-102/23
85-01-8	Phenanthrene	5	3.7	74	3.7	74	0	58-112/18
129-00-0	Pyrene	5	4.4	88	4.0	80	10	52-124/20

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	75%	75%	42-116%
321-60-8	2-Fluorobiphenyl	77%	76%	44-115%
1718-51-0	Terphenyl-d14	98%	86%	45-141%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12749-MS	T19907.D	1	07/30/15	BJ	07/28/15	OP12749	ET900
OP12749-MSD	T19908.D	1	07/30/15	BJ	07/28/15	OP12749	ET900
C40913-5	T19906.D	1	07/30/15	BJ	07/28/15	OP12749	ET900

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

C40913-1, C40913-2, C40913-3, C40913-4, C40913-5

CAS No.	Compound	C40913-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	0.78		9.62	7.0	65	9.62	6.4	58	9	54-108/21
208-96-8	Acenaphthylene	ND		9.62	6.7	70	9.62	6.1	63	9	53-108/22
120-12-7	Anthracene	ND		9.62	6.9	72	9.62	6.6	69	4	58-111/19
56-55-3	Benzo(a)anthracene	ND		9.62	7.4	77	9.62	7.6	79	3	59-120/14
50-32-8	Benzo(a)pyrene	ND		9.62	6.5	68	9.62	6.4	67	2	53-113/18
205-99-2	Benzo(b)fluoranthene	ND		9.62	7.0	73	9.62	7.2	75	3	57-127/18
191-24-2	Benzo(g,h,i)perylene	ND		9.62	6.6	69	9.62	6.8	71	3	52-126/21
207-08-9	Benzo(k)fluoranthene	ND		9.62	6.4	67	9.62	6.4	67	0	60-125/16
218-01-9	Chrysene	ND		9.62	6.8	71	9.62	7.0	73	3	63-120/14
53-70-3	Dibenzo(a,h)anthracene	ND		9.62	5.9	61	9.62	6.2	64	5	53-127/22
206-44-0	Fluoranthene	ND		9.62	6.8	71	9.62	6.7	70	1	59-123/17
86-73-7	Fluorene	2.0		9.62	8.7	70	9.62	8.1	63	7	57-113/21
193-39-5	Indeno(1,2,3-cd)pyrene	ND		9.62	6.7	70	9.62	6.7	70	0	48-130/22
90-12-0	1-Methylnaphthalene	1.7		9.62	8.0	66	9.62	7.3	58	9	51-104/24
91-57-6	2-Methylnaphthalene	ND		9.62	6.1	63	9.62	5.8	60	5	52-108/25
91-20-3	Naphthalene	0.10		9.62	5.9	60	9.62	5.5	56	7	51-102/23
85-01-8	Phenanthrene	0.92		9.62	7.6	69	9.62	7.3	66	4	58-112/18
129-00-0	Pyrene	ND		9.62	7.0	73	9.62	7.8	81	11	52-124/20

CAS No.	Surrogate Recoveries	MS	MSD	C40913-5	Limits
4165-60-0	Nitrobenzene-d5	75%	70%	75%	42-116%
321-60-8	2-Fluorobiphenyl	67%	61%	69%	44-115%
1718-51-0	Terphenyl-d14	73%	82%	81%	45-141%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12748-MB	HH325050.D	1	07/28/15	NN	07/28/15	OP12748	GHH1583

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

C40913-1, C40913-2, C40913-3, C40913-4, C40913-5

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

CAS No.	Surrogate Recoveries		Limits
630-01-3	Hexacosane	79%	32-124%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12748-BS	HH325051.D	1	07/28/15	NN	07/28/15	OP12748	GHH1583
OP12748-BSD	HH325052.D	1	07/28/15	NN	07/28/15	OP12748	GHH1583

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

C40913-1, C40913-2, C40913-3, C40913-4, C40913-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	1	0.642	64	0.604	60	6	38-115/22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	80%	80%	32-124%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40913
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12748-MS	HH325058.D	1	07/28/15	NN	07/28/15	OP12748	GHH1583
OP12748-MSD	HH325059.D	1	07/28/15	NN	07/28/15	OP12748	GHH1583
C40913-3	HH325063.D	1	07/28/15	NN	07/28/15	OP12748	GHH1583

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

C40913-1, C40913-2, C40913-3, C40913-4, C40913-5

CAS No.	Compound	C40913-3 mg/l	Q	Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	0.622		1.92	1.74	58	1.92	1.73	58	1	38-115/22

CAS No.	Surrogate Recoveries	MS	MSD	C40913-3	Limits
630-01-3	Hexacosane	82%	78%	78%	32-124%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

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: C40913
Account: PENSKELC - Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN16933	10	3.0	mg/l				

Associated Samples:
Batch GN16933: C40913-1, C40913-2, C40913-3, C40913-4, C40913-5
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40913
Account: PENSKELC - Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN16933	C40918-1	mg/l	295	309	4.6	0-10%

Associated Samples:
Batch GN16933: C40913-1, C40913-2, C40913-3, C40913-4, C40913-5
(*) Outside of QC limits

Northern California ACCUTEST LABORATORIES

Reissue #1
10/15/15

Technical Report for

Penske Truck Leasing Co., L.P.

STANCAWC:T0600101062-725 Julie Ann Way Oakland

185702858.200.0003

Accutest Job Number: C40914

Sampling Date: 07/23/15

Report to:

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

ATTN: Eva Hey

Total number of pages in report: **51**

NELAP ACCREDITED TNI LABORATORY

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

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

October 15, 2015

Eva Hey
Stantec Consulting
1340 Treat Blvd, Suite 300
Walnut Creek, CA

Re: Accutest Job # C40914 Reissue

Dear Ms. Hey,

The final report for Accutest Job # **C40914**, original report dated 8/7/2015, has been edited to reflect requested corrections.

The data has been revised to report to the RL for all analyses as per your request. Revised result pages have been incorporated into this revised report.

Please contact us at 408-588-0200 if we can be of further assistance in this matter, or if you have any questions regarding this data report.

Sincerely,

Accutest Laboratories

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Accutest Laboratories

Sample Summary

Penske Truck Leasing Co., L.P.

Job No: C40914

STANCAWC:T0600101062-725 Julie Ann Way Oakland
Project No: 185702858.200.0003

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40914-1	07/23/15	15:00	CM	07/24/15	SO	Soil	MW-6,5.5'
C40914-2	07/23/15	11:40	CM	07/24/15	SO	Soil	MW-10,6'
C40914-3	07/23/15	09:00	CM	07/24/15	SO	Soil	MW-11,4.5'
C40914-4	07/23/15	10:15	CM	07/24/15	SO	Soil	MW-12,5'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C40914
Account: Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland
Collected: 07/23/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40914-1	**MW-6,5.5'**					
Acetone		47.6	35		ug/kg	SW846 8260B
TPH-GRO (C6-C10)		349	86		ug/kg	SW846 8260B
Chrysene [a]		68.0	64		ug/kg	SW846 8270C BY SIM
C40914-2	**MW-10,6'**					
Acetone		39.1	34		ug/kg	SW846 8260B
TPH-GRO (C6-C10)		971	86		ug/kg	SW846 8260B
Benzo(a)anthracene [a]		14.8	13		ug/kg	SW846 8270C BY SIM
Benzo(a)pyrene [a]		20.4	13		ug/kg	SW846 8270C BY SIM
Benzo(b)fluoranthene [a]		25.3	13		ug/kg	SW846 8270C BY SIM
Benzo(g,h,i)perylene [a]		27.9	13		ug/kg	SW846 8270C BY SIM
Benzo(k)fluoranthene [a]		14.8	13		ug/kg	SW846 8270C BY SIM
Chrysene [a]		30.6	13		ug/kg	SW846 8270C BY SIM
Fluorene [a]		154	64		ug/kg	SW846 8270C BY SIM
Indeno(1,2,3-cd)pyrene [a]		21.8	13		ug/kg	SW846 8270C BY SIM
1-Methylnaphthalene [a]		366	64		ug/kg	SW846 8270C BY SIM
Phenanthrene [a]		247	64		ug/kg	SW846 8270C BY SIM
C40914-3	**MW-11,4.5'**					
TPH-GRO (C6-C10) [b]		23100	5100		ug/kg	SW846 8260B
Benzo(a)anthracene [c]		36.0	33		ug/kg	SW846 8270C BY SIM
Chrysene [c]		53.0	33		ug/kg	SW846 8270C BY SIM
Fluorene [c]		516	170		ug/kg	SW846 8270C BY SIM
Phenanthrene [c]		721	170		ug/kg	SW846 8270C BY SIM
C40914-4	**MW-12,5'**					
TPH-GRO (C6-C10) [d]		2090 E	83		ug/kg	SW846 8260B
Benzo(a)anthracene [c]		47.1	6.6		ug/kg	SW846 8270C BY SIM
Benzo(a)pyrene [c]		22.4	6.6		ug/kg	SW846 8270C BY SIM
Benzo(b)fluoranthene [c]		31.7	6.6		ug/kg	SW846 8270C BY SIM
Benzo(g,h,i)perylene [c]		14.1	6.6		ug/kg	SW846 8270C BY SIM
Benzo(k)fluoranthene [c]		23.1	6.6		ug/kg	SW846 8270C BY SIM
Chrysene [c]		61.2	6.6		ug/kg	SW846 8270C BY SIM
Fluoranthene [c]		44.3	33		ug/kg	SW846 8270C BY SIM
Fluorene [c]		110	33		ug/kg	SW846 8270C BY SIM
Indeno(1,2,3-cd)pyrene [c]		13.7	6.6		ug/kg	SW846 8270C BY SIM
Phenanthrene [c]		144	33		ug/kg	SW846 8270C BY SIM
Pyrene [c]		89.7	33		ug/kg	SW846 8270C BY SIM

(a) Reporting Limit increased due to high moisture in the sample. 15grams prepared instead of the standard

Summary of Hits

Job Number: C40914
Account: Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland
Collected: 07/23/15

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

30grams. Dilution required due to matrix interference.
(b) Dilution required due to high concentration of non-target hydrocarbons.
(c) Dilution required due to matrix interference (dark and viscous extract).
(d) Result reported as an estimated value from low-level run (exceeded calibration range) as compound was < RL in methanol extract run.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-6,5.5'		
Lab Sample ID:	C40914-1	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L43257.D	1	08/03/15	TN	n/a	n/a	VL1299
Run #2							

	Initial Weight
Run #1	5.79 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	47.6	35	ug/kg	
71-43-2	Benzene	ND	4.3	ug/kg	
108-86-1	Bromobenzene	ND	4.3	ug/kg	
74-97-5	Bromochloromethane	ND	4.3	ug/kg	
75-27-4	Bromodichloromethane	ND	4.3	ug/kg	
75-25-2	Bromoform	ND	4.3	ug/kg	
104-51-8	n-Butylbenzene	ND	4.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.3	ug/kg	
108-90-7	Chlorobenzene	ND	4.3	ug/kg	
75-00-3	Chloroethane	ND	4.3	ug/kg	
67-66-3	Chloroform	ND	4.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	4.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.3	ug/kg	
124-48-1	Dibromochloromethane	ND	4.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.3	ug/kg	

ND = Not detected
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-6,5.5'		
Lab Sample ID:	C40914-1	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	4.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.3	ug/kg	
100-41-4	Ethylbenzene	ND	4.3	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	4.3	ug/kg	
591-78-6	2-Hexanone	ND	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	17	ug/kg	
74-83-9	Methyl bromide	ND	4.3	ug/kg	
74-87-3	Methyl chloride	ND	4.3	ug/kg	
74-95-3	Methylene bromide	ND	4.3	ug/kg	
75-09-2	Methylene chloride	ND	17	ug/kg	
78-93-3	Methyl ethyl ketone	ND	17	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.3	ug/kg	
91-20-3	Naphthalene	ND	4.3	ug/kg	
103-65-1	n-Propylbenzene	ND	4.3	ug/kg	
100-42-5	Styrene	ND	4.3	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	4.3	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	35	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.3	ug/kg	
108-88-3	Toluene	ND	4.3	ug/kg	
79-01-6	Trichloroethylene	ND	4.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.3	ug/kg	
75-01-4	Vinyl chloride	ND	4.3	ug/kg	
1330-20-7	Xylene (total)	ND	8.6	ug/kg	
	TPH-GRO (C6-C10)	349	86	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-125%

ND = Not detected
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-6,5.5'		
Lab Sample ID:	C40914-1	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	112%		80-121%
460-00-4	4-Bromofluorobenzene	85%		71-126%

(a) All results reported on a wet weight basis.

ND = Not detected
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-6,5.5'		
Lab Sample ID:	C40914-1	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	T19922.D	10	07/30/15	BJ	07/28/15	OP12753	ET900
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	320	ug/kg	
208-96-8	Acenaphthylene	ND	320	ug/kg	
120-12-7	Anthracene	ND	320	ug/kg	
56-55-3	Benzo(a)anthracene	ND	64	ug/kg	
50-32-8	Benzo(a)pyrene	ND	64	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	64	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	64	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	64	ug/kg	
218-01-9	Chrysene	68.0	64	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	64	ug/kg	
206-44-0	Fluoranthene	ND	320	ug/kg	
86-73-7	Fluorene	ND	320	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	64	ug/kg	
90-12-0	1-Methylnaphthalene	ND	320	ug/kg	
91-57-6	2-Methylnaphthalene	ND	320	ug/kg	
91-20-3	Naphthalene	ND	320	ug/kg	
85-01-8	Phenanthrene	ND	320	ug/kg	
129-00-0	Pyrene	ND	320	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		32-128%
321-60-8	2-Fluorobiphenyl	74%		48-122%
1718-51-0	Terphenyl-d14	86%		48-148%

(a) All results reported on a wet weight basis.
(b) Reporting Limit increased due to high moisture in the sample. 15grams prepared instead of the standard 30grams. Dilution required due to matrix interference.

ND = Not detected
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-10,6'		
Lab Sample ID:	C40914-2	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L43259.D	1	08/03/15	TN	n/a	n/a	VL1299
Run #2							

	Initial Weight
Run #1	5.84 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	39.1	34	ug/kg	
71-43-2	Benzene	ND	4.3	ug/kg	
108-86-1	Bromobenzene	ND	4.3	ug/kg	
74-97-5	Bromochloromethane	ND	4.3	ug/kg	
75-27-4	Bromodichloromethane	ND	4.3	ug/kg	
75-25-2	Bromoform	ND	4.3	ug/kg	
104-51-8	n-Butylbenzene	ND	4.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.3	ug/kg	
108-90-7	Chlorobenzene	ND	4.3	ug/kg	
75-00-3	Chloroethane	ND	4.3	ug/kg	
67-66-3	Chloroform	ND	4.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	4.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.3	ug/kg	
124-48-1	Dibromochloromethane	ND	4.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.3	ug/kg	

ND = Not detected
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-10,6'		
Lab Sample ID:	C40914-2	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	4.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.3	ug/kg	
100-41-4	Ethylbenzene	ND	4.3	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	4.3	ug/kg	
591-78-6	2-Hexanone	ND	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	17	ug/kg	
74-83-9	Methyl bromide	ND	4.3	ug/kg	
74-87-3	Methyl chloride	ND	4.3	ug/kg	
74-95-3	Methylene bromide	ND	4.3	ug/kg	
75-09-2	Methylene chloride	ND	17	ug/kg	
78-93-3	Methyl ethyl ketone	ND	17	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.3	ug/kg	
91-20-3	Naphthalene	ND	4.3	ug/kg	
103-65-1	n-Propylbenzene	ND	4.3	ug/kg	
100-42-5	Styrene	ND	4.3	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	4.3	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	34	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.3	ug/kg	
108-88-3	Toluene	ND	4.3	ug/kg	
79-01-6	Trichloroethylene	ND	4.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.3	ug/kg	
75-01-4	Vinyl chloride	ND	4.3	ug/kg	
1330-20-7	Xylene (total)	ND	8.6	ug/kg	
	TPH-GRO (C6-C10)	971	86	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		75-125%

ND = Not detected
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-10,6'		
Lab Sample ID:	C40914-2	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	98%		80-121%
460-00-4	4-Bromofluorobenzene	101%		71-126%

(a) All results reported on a wet weight basis.

ND = Not detected
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-10,6'		
Lab Sample ID:	C40914-2	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	T19923.D	2	07/30/15	BJ	07/28/15	OP12753	ET900
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	64	ug/kg	
208-96-8	Acenaphthylene	ND	64	ug/kg	
120-12-7	Anthracene	ND	64	ug/kg	
56-55-3	Benzo(a)anthracene	14.8	13	ug/kg	
50-32-8	Benzo(a)pyrene	20.4	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	25.3	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	27.9	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	14.8	13	ug/kg	
218-01-9	Chrysene	30.6	13	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	13	ug/kg	
206-44-0	Fluoranthene	ND	64	ug/kg	
86-73-7	Fluorene	154	64	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	21.8	13	ug/kg	
90-12-0	1-Methylnaphthalene	366	64	ug/kg	
91-57-6	2-Methylnaphthalene	ND	64	ug/kg	
91-20-3	Naphthalene	ND	64	ug/kg	
85-01-8	Phenanthrene	247	64	ug/kg	
129-00-0	Pyrene	ND	64	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		32-128%
321-60-8	2-Fluorobiphenyl	70%		48-122%
1718-51-0	Terphenyl-d14	78%		48-148%

(a) All results reported on a wet weight basis.
(b) Reporting Limit increased due to high moisture in the sample. 15grams prepared instead of the standard 30grams. Dilution required due to matrix interference.

ND = Not detected
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-11,4.5'		
Lab Sample ID:	C40914-3	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	L43314.D	1	08/05/15	TN	n/a	n/a	VL1301
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.86 g	5.0 ml	100 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	2100	ug/kg	
71-43-2	Benzene	ND	260	ug/kg	
108-86-1	Bromobenzene	ND	260	ug/kg	
74-97-5	Bromochloromethane	ND	260	ug/kg	
75-27-4	Bromodichloromethane	ND	260	ug/kg	
75-25-2	Bromoform	ND	260	ug/kg	
104-51-8	n-Butylbenzene	ND	260	ug/kg	
135-98-8	sec-Butylbenzene	ND	260	ug/kg	
98-06-6	tert-Butylbenzene	ND	260	ug/kg	
108-90-7	Chlorobenzene	ND	260	ug/kg	
75-00-3	Chloroethane	ND	260	ug/kg	
67-66-3	Chloroform	ND	260	ug/kg	
95-49-8	o-Chlorotoluene	ND	260	ug/kg	
106-43-4	p-Chlorotoluene	ND	260	ug/kg	
56-23-5	Carbon tetrachloride	ND	260	ug/kg	
75-34-3	1,1-Dichloroethane	ND	260	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	260	ug/kg	
563-58-6	1,1-Dichloropropene	ND	260	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	260	ug/kg	
106-93-4	1,2-Dibromoethane	ND	260	ug/kg	
107-06-2	1,2-Dichloroethane	ND	260	ug/kg	
78-87-5	1,2-Dichloropropane	ND	260	ug/kg	
142-28-9	1,3-Dichloropropane	ND	260	ug/kg	
108-20-3	Di-Isopropyl ether	ND	260	ug/kg	
594-20-7	2,2-Dichloropropane	ND	260	ug/kg	
124-48-1	Dibromochloromethane	ND	260	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	260	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	260	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	260	ug/kg	
541-73-1	m-Dichlorobenzene	ND	260	ug/kg	
95-50-1	o-Dichlorobenzene	ND	260	ug/kg	
106-46-7	p-Dichlorobenzene	ND	260	ug/kg	

ND = Not detected
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-11,4.5'		
Lab Sample ID:	C40914-3	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	260	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	260	ug/kg	
100-41-4	Ethylbenzene	ND	260	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	260	ug/kg	
591-78-6	2-Hexanone	ND	1000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	260	ug/kg	
98-82-8	Isopropylbenzene	ND	260	ug/kg	
99-87-6	p-Isopropyltoluene	ND	260	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1000	ug/kg	
74-83-9	Methyl bromide	ND	260	ug/kg	
74-87-3	Methyl chloride	ND	260	ug/kg	
74-95-3	Methylene bromide	ND	260	ug/kg	
75-09-2	Methylene chloride	ND	1000	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	260	ug/kg	
91-20-3	Naphthalene	ND	260	ug/kg	
103-65-1	n-Propylbenzene	ND	260	ug/kg	
100-42-5	Styrene	ND	260	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	260	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	2100	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	260	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	260	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	260	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	260	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	260	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	260	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	260	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	260	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	260	ug/kg	
127-18-4	Tetrachloroethylene	ND	260	ug/kg	
108-88-3	Toluene	ND	260	ug/kg	
79-01-6	Trichloroethylene	ND	260	ug/kg	
75-69-4	Trichlorofluoromethane	ND	260	ug/kg	
75-01-4	Vinyl chloride	ND	260	ug/kg	
1330-20-7	Xylene (total)	ND	510	ug/kg	
	TPH-GRO (C6-C10)	23100	5100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		75-125%

ND = Not detected
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-11,4.5'		
Lab Sample ID:	C40914-3	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	93%		80-121%
460-00-4	4-Bromofluorobenzene	94%		71-126%

(a) All results reported on a wet weight basis.
(b) Dilution required due to high concentration of non-target hydrocarbons.

ND = Not detected
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-11,4.5'		
Lab Sample ID:	C40914-3	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	T19924.D	10	07/30/15	BJ	07/28/15	OP12753	ET900
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	170	ug/kg	
208-96-8	Acenaphthylene	ND	170	ug/kg	
120-12-7	Anthracene	ND	170	ug/kg	
56-55-3	Benzo(a)anthracene	36.0	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	ug/kg	
218-01-9	Chrysene	53.0	33	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	ug/kg	
206-44-0	Fluoranthene	ND	170	ug/kg	
86-73-7	Fluorene	516	170	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	ug/kg	
91-20-3	Naphthalene	ND	170	ug/kg	
85-01-8	Phenanthrene	721	170	ug/kg	
129-00-0	Pyrene	ND	170	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	91%		32-128%
321-60-8	2-Fluorobiphenyl	59%		48-122%
1718-51-0	Terphenyl-d14	82%		48-148%

(a) All results reported on a wet weight basis.
(b) Dilution required due to matrix interference (dark and viscous extract).

ND = Not detected
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-12,5'		
Lab Sample ID:	C40914-4	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L43261.D	1	08/03/15	TN	n/a	n/a	VL1299
Run #2	L43313.D	1	08/05/15	TN	n/a	n/a	VL1301

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.06 g		
Run #2	5.59 g	5.0 ml	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	33	ug/kg	
71-43-2	Benzene	ND	4.1	ug/kg	
108-86-1	Bromobenzene	ND	4.1	ug/kg	
74-97-5	Bromochloromethane	ND	4.1	ug/kg	
75-27-4	Bromodichloromethane	ND	4.1	ug/kg	
75-25-2	Bromoform	ND	4.1	ug/kg	
104-51-8	n-Butylbenzene	ND	4.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.1	ug/kg	
75-00-3	Chloroethane	ND	4.1	ug/kg	
67-66-3	Chloroform	ND	4.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.1	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.1	ug/kg	
108-20-3	Di-Isopropyl ether	ND	4.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.1	ug/kg	
124-48-1	Dibromochloromethane	ND	4.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.1	ug/kg	

ND = Not detected
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-12,5'		
Lab Sample ID:	C40914-4	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	4.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.1	ug/kg	
100-41-4	Ethylbenzene	ND	4.1	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	4.1	ug/kg	
591-78-6	2-Hexanone	ND	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.1	ug/kg	
98-82-8	Isopropylbenzene	ND	4.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	17	ug/kg	
74-83-9	Methyl bromide	ND	4.1	ug/kg	
74-87-3	Methyl chloride	ND	4.1	ug/kg	
74-95-3	Methylene bromide	ND	4.1	ug/kg	
75-09-2	Methylene chloride	ND	17	ug/kg	
78-93-3	Methyl ethyl ketone	ND	17	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.1	ug/kg	
91-20-3	Naphthalene	ND	4.1	ug/kg	
103-65-1	n-Propylbenzene	ND	4.1	ug/kg	
100-42-5	Styrene	ND	4.1	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	4.1	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	33	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.1	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.1	ug/kg	
108-88-3	Toluene	ND	4.1	ug/kg	
79-01-6	Trichloroethylene	ND	4.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.1	ug/kg	
75-01-4	Vinyl chloride	ND	4.1	ug/kg	
1330-20-7	Xylene (total)	ND	8.3	ug/kg	
	TPH-GRO (C6-C10) [b]	2090	83	ug/kg	E

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	96%	75-125%

ND = Not detected
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-12,5'		
Lab Sample ID:	C40914-4	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	98%	97%	80-121%
460-00-4	4-Bromofluorobenzene	100%	99%	71-126%

(a) All results reported on a wet weight basis.
(b) Result reported as an estimated value from low-level run (exceeded calibration range) as compound was < RL in methanol extract run.

ND = Not detected
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-12,5'		
Lab Sample ID:	C40914-4	**Date Sampled:**	07/23/15
Matrix:	SO - Soil	**Date Received:**	07/24/15
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	n/a [a]
Project:	STANCAWC:T0600101062-725 Julie Ann Way Oakland		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	T19925.D	2	07/30/15	BJ	07/28/15	OP12753	ET900
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	33	ug/kg	
208-96-8	Acenaphthylene	ND	33	ug/kg	
120-12-7	Anthracene	ND	33	ug/kg	
56-55-3	Benzo(a)anthracene	47.1	6.6	ug/kg	
50-32-8	Benzo(a)pyrene	22.4	6.6	ug/kg	
205-99-2	Benzo(b)fluoranthene	31.7	6.6	ug/kg	
191-24-2	Benzo(g,h,i)perylene	14.1	6.6	ug/kg	
207-08-9	Benzo(k)fluoranthene	23.1	6.6	ug/kg	
218-01-9	Chrysene	61.2	6.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	6.6	ug/kg	
206-44-0	Fluoranthene	44.3	33	ug/kg	
86-73-7	Fluorene	110	33	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	13.7	6.6	ug/kg	
90-12-0	1-Methylnaphthalene	ND	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	33	ug/kg	
91-20-3	Naphthalene	ND	33	ug/kg	
85-01-8	Phenanthrene	144	33	ug/kg	
129-00-0	Pyrene	89.7	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	113%		32-128%
321-60-8	2-Fluorobiphenyl	80%		48-122%
1718-51-0	Terphenyl-d14	98%		48-148%

(a) All results reported on a wet weight basis.
(b) Dilution required due to matrix interference (dark and viscous extract).

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

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest NC Job #: C C40914

Client / Reporting Information

Company Name: Stantec Consulting
Address: 1340 Treat Blvd, Suite 300
City: Walnut Creek State: CA Zip: 94597
Project Contact: Eva Hey
Phone #: 925-296-2101
Samplers's Name: Charles Melancon

Project Information

Project Name: Penske - Oakland
Street: 725 Julie Ann Way
City: Oakland State: CA
Project #: 185702858.200.0003
EMAIL: eva.hey@stantec.com
Client Purchase Order #: Penske CA-016 Proj# 4871

Requested Analysis

Matrix Codes

WW- Wastewater
GW- Ground Water
SW- Surface Water
SO- Soil
OI-Oil
WP-Wipe
LIQ - Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaHSO4	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	TPH-g	VOCs 8260	SVOCs 8270	LAB USE ONLY
1	MW-9, 5.5'	7/23	1300	CM	SO	4		1			1		1		X	X	+	
2	MW-10, 6'	7/23	11:40	CM	SO	4		1			1		1		X	X	+	
3	MW-11, 4.5'	7/23	9:00	CM	SO	4		1			1		1		X	X	+	
4	MW-12, 5'	7/23	10:15	CM	SO	4		1			1		1		X	X	+	

Turnaround Time (Business days)

Approved By / Date:

- 10 Day
- 5 Day
- 3 Day
- 2 Day
- 1 Day
- Same Day

Emergency T/A data available VIA Lablink

Data Deliverable Information

- Commercial "A" - Results only
- Commercial "B" - Results with QC summaries
- Commerical "B+" - Results, QC, and chromatograms
- FULT1 - Level 4 data package
- [X] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID: T0600101162
- Provide EDF Logcode:

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		7-24-15	1	2	7-24-15 16:50	2
2	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3			3	4		4
4	Relinquished by:	Date Time:	Received By:	Custody Seal #	Appropriate Bottle / Pres. Y / N	Headspace Y / N	On Ice Y / N	Cooler Temp.
5			5		Labels match CoC? Y / N	Separate Receiving Check List used: Y / N		3.8-0.1=3.7 °C

C40914: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C40914 **Client:** STANTEC CONSULTING **Project:** PENSKE-OAKLAND

Date / Time Received: 7/24/2015 4:50:00 PM **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (3.8/3.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Therm ID:	IR2;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

C40914: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1299-MB	L43253.D	1	08/03/15	TN	n/a	n/a	VL1299

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

C40914-1, C40914-2, C40914-4

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	40	ug/kg	
71-43-2	Benzene	ND	5.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	ug/kg	
75-25-2	Bromoform	ND	5.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	ug/kg	
67-66-3	Chloroform	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	ug/kg	

Method Blank Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1299-MB	L43253.D	1	08/03/15	TN	n/a	n/a	VL1299

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

C40914-1, C40914-2, C40914-4

CAS No.	Compound	Result	RL	Units	Q
591-78-6	2-Hexanone	ND	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	ug/kg	
74-83-9	Methyl bromide	ND	5.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	20	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	ug/kg	
	TPH-GRO (C6-C10)	ND	100	ug/kg	

Method Blank Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1299-MB	L43253.D	1	08/03/15	TN	n/a	n/a	VL1299

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

C40914-1, C40914-2, C40914-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	75-125%
2037-26-5	Toluene-D8	97%	80-121%
460-00-4	4-Bromofluorobenzene	95%	71-126%

Method Blank Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1301-MB	L43301.D	1	08/05/15	TN	n/a	n/a	VL1301

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

C40914-3, C40914-4

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	40	ug/kg	
71-43-2	Benzene	ND	5.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	ug/kg	
75-25-2	Bromoform	ND	5.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	ug/kg	
67-66-3	Chloroform	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	ug/kg	

Method Blank Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1301-MB	L43301.D	1	08/05/15	TN	n/a	n/a	VL1301

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

C40914-3, C40914-4

CAS No.	Compound	Result	RL	Units	Q
591-78-6	2-Hexanone	ND	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	ug/kg	
74-83-9	Methyl bromide	ND	5.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	20	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	ug/kg	
	TPH-GRO (C6-C10)	ND	100	ug/kg	

Method Blank Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1301-MB	L43301.D	1	08/05/15	TN	n/a	n/a	VL1301

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

C40914-3, C40914-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	75-125%
2037-26-5	Toluene-D8	96%	80-121%
460-00-4	4-Bromofluorobenzene	95%	71-126%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1299-BS	L43250.D	1	08/03/15	TN	n/a	n/a	VL1299
VL1299-BSD	L43251.D	1	08/03/15	TN	n/a	n/a	VL1299

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

C40914-1, C40914-2, C40914-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	167	104	158	99	6	59-143/27
71-43-2	Benzene	40	42.7	107	41.7	104	2	80-122/13
108-86-1	Bromobenzene	40	43.5	109	42.1	105	3	76-122/12
74-97-5	Bromochloromethane	40	43.7	109	42.3	106	3	81-126/13
75-27-4	Bromodichloromethane	40	40.4	101	39.2	98	3	76-124/13
75-25-2	Bromoform	40	43.3	108	41.3	103	5	72-134/14
104-51-8	n-Butylbenzene	40	43.5	109	41.9	105	4	76-122/14
135-98-8	sec-Butylbenzene	40	43.5	109	42.1	105	3	77-124/14
98-06-6	tert-Butylbenzene	40	43.1	108	42.0	105	3	76-124/13
108-90-7	Chlorobenzene	40	42.8	107	41.1	103	4	78-122/12
75-00-3	Chloroethane	40	33.0	83	29.9	75	10	71-126/16
67-66-3	Chloroform	40	41.4	104	40.7	102	2	79-126/13
95-49-8	o-Chlorotoluene	40	42.1	105	40.7	102	3	73-124/15
106-43-4	p-Chlorotoluene	40	43.7	109	42.6	107	3	73-127/16
56-23-5	Carbon tetrachloride	40	42.7	107	41.6	104	3	78-127/15
75-34-3	1,1-Dichloroethane	40	41.2	103	40.2	101	2	76-123/14
75-35-4	1,1-Dichloroethylene	40	42.8	107	41.7	104	3	73-124/15
563-58-6	1,1-Dichloropropene	40	38.6	97	37.2	93	4	78-126/14
96-12-8	1,2-Dibromo-3-chloropropane	40	39.5	99	37.1	93	6	62-127/21
106-93-4	1,2-Dibromoethane	40	41.7	104	40.4	101	3	76-123/13
107-06-2	1,2-Dichloroethane	40	40.5	101	39.0	98	4	74-125/12
78-87-5	1,2-Dichloropropane	40	41.7	104	40.3	101	3	76-123/12
142-28-9	1,3-Dichloropropane	40	42.9	107	41.3	103	4	77-121/13
108-20-3	Di-Isopropyl ether	40	38.3	96	37.4	94	2	71-126/14
594-20-7	2,2-Dichloropropane	40	44.0	110	43.1	108	2	77-132/17
124-48-1	Dibromochloromethane	40	41.4	104	39.6	99	4	73-127/13
75-71-8	Dichlorodifluoromethane	40	33.8	85	30.2	76	11	52-141/20
156-59-2	cis-1,2-Dichloroethylene	40	45.4	114	44.3	111	2	80-124/13
10061-01-5	cis-1,3-Dichloropropene	40	43.6	109	42.3	106	3	77-125/13
541-73-1	m-Dichlorobenzene	40	43.4	109	42.8	107	1	76-123/12
95-50-1	o-Dichlorobenzene	40	42.9	107	41.6	104	3	76-123/12
106-46-7	p-Dichlorobenzene	40	43.2	108	42.1	105	3	77-121/12
156-60-5	trans-1,2-Dichloroethylene	40	40.0	100	39.7	99	1	78-123/15
10061-02-6	trans-1,3-Dichloropropene	40	41.2	103	39.9	100	3	71-122/13
100-41-4	Ethylbenzene	40	42.9	107	41.3	103	4	79-121/13
637-92-3	Ethyl tert-Butyl Ether	40	38.9	97	38.0	95	2	76-131/13

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1299-BS	L43250.D	1	08/03/15	TN	n/a	n/a	VL1299
VL1299-BSD	L43251.D	1	08/03/15	TN	n/a	n/a	VL1299

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

C40914-1, C40914-2, C40914-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	160	168	105	160	100	5	65-135/20
87-68-3	Hexachlorobutadiene	40	44.6	112	43.0	108	4	77-131/17
98-82-8	Isopropylbenzene	40	43.3	108	41.4	104	4	80-124/14
99-87-6	p-Isopropyltoluene	40	43.2	108	42.1	105	3	78-122/13
108-10-1	4-Methyl-2-pentanone	160	170	106	163	102	4	70-135/18
74-83-9	Methyl bromide	40	37.0	93	33.9	85	9	74-130/15
74-87-3	Methyl chloride	40	33.6	84	29.0	73	15	65-131/22
74-95-3	Methylene bromide	40	42.7	107	40.5	101	5	78-124/13
75-09-2	Methylene chloride	40	41.8	105	41.1	103	2	75-121/16
78-93-3	Methyl ethyl ketone	160	170	106	167	104	2	70-137/21
1634-04-4	Methyl Tert Butyl Ether	40	36.4	91	35.7	89	2	75-127/16
91-20-3	Naphthalene	40	38.8	97	37.7	94	3	67-127/19
103-65-1	n-Propylbenzene	40	42.2	106	40.9	102	3	75-123/13
100-42-5	Styrene	40	43.1	108	42.1	105	2	78-122/12
994-05-8	Tert-Amyl Methyl Ether	40	39.9	100	39.0	98	2	77-127/13
75-65-0	Tert Butyl Alcohol	200	203	102	195	98	4	61-141/32
630-20-6	1,1,1,2-Tetrachloroethane	40	43.0	108	41.7	104	3	78-124/13
71-55-6	1,1,1-Trichloroethane	40	42.6	107	41.5	104	3	79-128/15
79-34-5	1,1,2,2-Tetrachloroethane	40	42.1	105	41.1	103	2	70-125/14
79-00-5	1,1,2-Trichloroethane	40	41.0	103	39.4	99	4	74-122/13
87-61-6	1,2,3-Trichlorobenzene	40	43.7	109	41.9	105	4	75-128/18
96-18-4	1,2,3-Trichloropropane	40	42.4	106	40.4	101	5	74-125/15
120-82-1	1,2,4-Trichlorobenzene	40	43.9	110	42.9	107	2	77-128/16
95-63-6	1,2,4-Trimethylbenzene	40	42.6	107	41.1	103	4	76-121/13
108-67-8	1,3,5-Trimethylbenzene	40	44.1	110	42.9	107	3	78-123/13
127-18-4	Tetrachloroethylene	40	43.5	109	41.9	105	4	77-125/14
108-88-3	Toluene	40	43.4	109	41.8	105	4	78-120/13
79-01-6	Trichloroethylene	40	42.3	106	40.9	102	3	80-124/13
75-69-4	Trichlorofluoromethane	40	38.5	96	34.9	87	10	78-130/17
75-01-4	Vinyl chloride	40	36.8	92	33.2	83	10	69-136/18
1330-20-7	Xylene (total)	120	129	108	124	103	4	78-122/13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	101%	75-125%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1299-BS	L43250.D	1	08/03/15	TN	n/a	n/a	VL1299
VL1299-BSD	L43251.D	1	08/03/15	TN	n/a	n/a	VL1299

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

C40914-1, C40914-2, C40914-4

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	98%	98%	80-121%
460-00-4	4-Bromofluorobenzene	99%	97%	71-126%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1301-BS	L43298.D	1	08/05/15	TN	n/a	n/a	VL1301
VL1301-BSD	L43299.D	1	08/05/15	TN	n/a	n/a	VL1301

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

C40914-3, C40914-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	165	103	170	106	3	59-143/27
71-43-2	Benzene	40	44.8	112	47.0	118	5	80-122/13
108-86-1	Bromobenzene	40	46.1	115	47.3	118	3	76-122/12
74-97-5	Bromochloromethane	40	45.5	114	47.0	118	3	81-126/13
75-27-4	Bromodichloromethane	40	41.7	104	42.9	107	3	76-124/13
75-25-2	Bromoform	40	46.1	115	46.6	117	1	72-134/14
104-51-8	n-Butylbenzene	40	44.9	112	47.3	118	5	76-122/14
135-98-8	sec-Butylbenzene	40	45.3	113	47.9	120	6	77-124/14
98-06-6	tert-Butylbenzene	40	45.8	115	48.1	120	5	76-124/13
108-90-7	Chlorobenzene	40	45.3	113	46.8	117	3	78-122/12
75-00-3	Chloroethane	40	33.8	85	34.0	85	1	71-126/16
67-66-3	Chloroform	40	41.8	105	42.8	107	2	79-126/13
95-49-8	o-Chlorotoluene	40	42.7	107	44.3	111	4	73-124/15
106-43-4	p-Chlorotoluene	40	45.2	113	46.7	117	3	73-127/16
56-23-5	Carbon tetrachloride	40	45.0	113	49.5	124	10	78-127/15
75-34-3	1,1-Dichloroethane	40	41.4	104	43.1	108	4	76-123/14
75-35-4	1,1-Dichloroethylene	40	45.2	113	49.1	123	8	73-124/15
563-58-6	1,1-Dichloropropene	40	40.4	101	43.4	109	7	78-126/14
96-12-8	1,2-Dibromo-3-chloropropane	40	38.4	96	38.6	97	1	62-127/21
106-93-4	1,2-Dibromoethane	40	43.6	109	44.7	112	2	76-123/13
107-06-2	1,2-Dichloroethane	40	40.1	100	40.9	102	2	74-125/12
78-87-5	1,2-Dichloropropane	40	42.7	107	44.6	112	4	76-123/12
142-28-9	1,3-Dichloropropane	40	43.9	110	44.8	112	2	77-121/13
108-20-3	Di-Isopropyl ether	40	37.4	94	38.6	97	3	71-126/14
594-20-7	2,2-Dichloropropane	40	44.8	112	47.6	119	6	77-132/17
124-48-1	Dibromochloromethane	40	42.5	106	44.0	110	3	73-127/13
75-71-8	Dichlorodifluoromethane	40	35.5	89	36.4	91	3	52-141/20
156-59-2	cis-1,2-Dichloroethylene	40	46.6	117	47.6	119	2	80-124/13
10061-01-5	cis-1,3-Dichloropropene	40	45.5	114	46.8	117	3	77-125/13
541-73-1	m-Dichlorobenzene	40	46.1	115	47.1	118	2	76-123/12
95-50-1	o-Dichlorobenzene	40	44.9	112	45.5	114	1	76-123/12
106-46-7	p-Dichlorobenzene	40	46.1	115	46.9	117	2	77-121/12
156-60-5	trans-1,2-Dichloroethylene	40	41.6	104	43.8	110	5	78-123/15
10061-02-6	trans-1,3-Dichloropropene	40	42.0	105	43.2	108	3	71-122/13
100-41-4	Ethylbenzene	40	45.0	113	47.5	119	5	79-121/13
637-92-3	Ethyl tert-Butyl Ether	40	38.3	96	39.2	98	2	76-131/13

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1301-BS	L43298.D	1	08/05/15	TN	n/a	n/a	VL1301
VL1301-BSD	L43299.D	1	08/05/15	TN	n/a	n/a	VL1301

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

C40914-3, C40914-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	160	164	103	170	106	4	65-135/20
87-68-3	Hexachlorobutadiene	40	47.7	119	50.4	126	6	77-131/17
98-82-8	Isopropylbenzene	40	45.7	114	48.6	122	6	80-124/14
99-87-6	p-Isopropyltoluene	40	45.2	113	47.9	120	6	78-122/13
108-10-1	4-Methyl-2-pentanone	160	180	113	187	117	4	70-135/18
74-83-9	Methyl bromide	40	38.5	96	39.3	98	2	74-130/15
74-87-3	Methyl chloride	40	33.8	85	32.4	81	4	65-131/22
74-95-3	Methylene bromide	40	43.9	110	44.4	111	1	78-124/13
75-09-2	Methylene chloride	40	42.6	107	43.6	109	2	75-121/16
78-93-3	Methyl ethyl ketone	160	172	108	172	108	0	70-137/21
1634-04-4	Methyl Tert Butyl Ether	40	36.7	92	37.0	93	1	75-127/16
91-20-3	Naphthalene	40	40.2	101	40.5	101	1	67-127/19
103-65-1	n-Propylbenzene	40	43.7	109	45.9	115	5	75-123/13
100-42-5	Styrene	40	46.0	115	47.2	118	3	78-122/12
994-05-8	Tert-Amyl Methyl Ether	40	39.8	100	40.7	102	2	77-127/13
75-65-0	Tert Butyl Alcohol	200	196	98	202	101	3	61-141/32
630-20-6	1,1,1,2-Tetrachloroethane	40	45.7	114	47.0	118	3	78-124/13
71-55-6	1,1,1-Trichloroethane	40	43.4	109	46.5	116	7	79-128/15
79-34-5	1,1,2,2-Tetrachloroethane	40	42.6	107	42.9	107	1	70-125/14
79-00-5	1,1,2-Trichloroethane	40	42.5	106	43.2	108	2	74-122/13
87-61-6	1,2,3-Trichlorobenzene	40	46.1	115	46.8	117	2	75-128/18
96-18-4	1,2,3-Trichloropropane	40	43.1	108	44.0	110	2	74-125/15
120-82-1	1,2,4-Trichlorobenzene	40	47.0	118	47.9	120	2	77-128/16
95-63-6	1,2,4-Trimethylbenzene	40	44.0	110	45.6	114	4	76-121/13
108-67-8	1,3,5-Trimethylbenzene	40	45.9	115	48.1	120	5	78-123/13
127-18-4	Tetrachloroethylene	40	47.7	119	51.5	129* [a]	8	77-125/14
108-88-3	Toluene	40	45.8	115	48.0	120	5	78-120/13
79-01-6	Trichloroethylene	40	45.3	113	48.2	121	6	80-124/13
75-69-4	Trichlorofluoromethane	40	39.7	99	40.4	101	2	78-130/17
75-01-4	Vinyl chloride	40	37.7	94	38.7	97	3	69-136/18
1330-20-7	Xylene (total)	120	137	114	144	120	5	78-122/13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	95%	93%	75-125%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1301-BS	L43298.D	1	08/05/15	TN	n/a	n/a	VL1301
VL1301-BSD	L43299.D	1	08/05/15	TN	n/a	n/a	VL1301

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

C40914-3, C40914-4

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	96%	96%	80-121%
460-00-4	4-Bromofluorobenzene	97%	98%	71-126%

(a) Outside laboratory control limits; but within marginal exceedance criteria.

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1299-LCS	L43252.D	1	08/03/15	TN	n/a	n/a	VL1299

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

C40914-1, C40914-2, C40914-4

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits
	TPH-GRO (C6-C10)	250	225	90	50-150

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	75-125%
2037-26-5	Toluene-D8	99%	80-121%
460-00-4	4-Bromofluorobenzene	97%	71-126%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1301-LCS	L43300.D	1	08/05/15	TN	n/a	n/a	VL1301

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

C40914-3, C40914-4

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits
	TPH-GRO (C6-C10)	250	230	92	50-150

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	75-125%
2037-26-5	Toluene-D8	96%	80-121%
460-00-4	4-Bromofluorobenzene	97%	71-126%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C41006-4MS	L43315.D	1	08/05/15	TN	n/a	n/a	VL1301
C41006-4MSD	L43316.D	1	08/05/15	TN	n/a	n/a	VL1301
C41006-4	L43311.D	1	08/05/15	TN	n/a	n/a	VL1301

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

C40914-3, C40914-4

CAS No.	Compound	C41006-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		70300	67900	97	70300	69600	99	2	59-143/27
71-43-2	Benzene	ND		17600	18000	102	17600	18200	104	1	80-122/13
108-86-1	Bromobenzene	ND		17600	19600	112	17600	19500	111	1	76-122/12
74-97-5	Bromochloromethane	ND		17600	18900	108	17600	19300	110	2	81-126/13
75-27-4	Bromodichloromethane	ND		17600	16900	96	17600	17100	97	1	76-124/13
75-25-2	Bromoform	ND		17600	19600	112	17600	20000	114	2	72-134/14
104-51-8	n-Butylbenzene	1130	J	17600	16800	89	17600	18500	99	10	76-122/14
135-98-8	sec-Butylbenzene	279	J	17600	16000	89	17600	18200	102	13	77-124/14
98-06-6	tert-Butylbenzene	ND		17600	20400	116	17600	23000	131* [a]	12	76-124/13
108-90-7	Chlorobenzene	ND		17600	18400	105	17600	18700	106	2	78-122/12
75-00-3	Chloroethane	ND		17600	13300	76	17600	13300	76	0	71-126/16
67-66-3	Chloroform	ND		17600	16700	95	17600	16800	96	1	79-126/13
95-49-8	o-Chlorotoluene	ND		17600	15500	88	17600	17300	98	11	73-124/15
106-43-4	p-Chlorotoluene	ND		17600	16200	92	17600	17900	102	10	73-127/16
56-23-5	Carbon tetrachloride	ND		17600	18000	102	17600	17800	101	1	78-127/15
75-34-3	1,1-Dichloroethane	ND		17600	16200	92	17600	16300	93	1	76-123/14
75-35-4	1,1-Dichloroethylene	ND		17600	17200	98	17600	17400	99	1	73-124/15
563-58-6	1,1-Dichloropropene	ND		17600	15700	89	17600	15700	89	0	78-126/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		17600	15200	86	17600	16600	94	9	62-127/21
106-93-4	1,2-Dibromoethane	ND		17600	18300	104	17600	18600	106	2	76-123/13
107-06-2	1,2-Dichloroethane	ND		17600	16700	95	17600	16600	94	1	74-125/12
78-87-5	1,2-Dichloropropane	ND		17600	17900	102	17600	17500	100	2	76-123/12
142-28-9	1,3-Dichloropropane	ND		17600	18300	104	17600	18500	105	1	77-121/13
108-20-3	Di-Isopropyl ether	ND		17600	15200	86	17600	15200	86	0	71-126/14
594-20-7	2,2-Dichloropropane	ND		17600	17100	97	17600	16900	96	1	77-132/17
124-48-1	Dibromochloromethane	ND		17600	23800	135* [a]	17600	18500	105	25* [a]	73-127/13
75-71-8	Dichlorodifluoromethane	ND		17600	13400	76	17600	13300	76	1	52-141/20
156-59-2	cis-1,2-Dichloroethylene	ND		17600	18600	106	17600	18800	107	1	80-124/13
10061-01-5	cis-1,3-Dichloropropene	ND		17600	18400	105	17600	18500	105	1	77-125/13
541-73-1	m-Dichlorobenzene	ND		17600	16600	94	17600	18500	105	11	76-123/12
95-50-1	o-Dichlorobenzene	ND		17600	16600	94	17600	18500	105	11	76-123/12
106-46-7	p-Dichlorobenzene	ND		17600	16300	93	17600	18400	105	12	77-121/12
156-60-5	trans-1,2-Dichloroethylene	ND		17600	16300	93	17600	16700	95	2	78-123/15
10061-02-6	trans-1,3-Dichloropropene	ND		17600	17100	97	17600	17200	98	1	71-122/13
100-41-4	Ethylbenzene	2100	J	17600	20200	103	17600	20300	104	0	79-121/13
637-92-3	Ethyl tert-Butyl Ether	ND		17600	15800	90	17600	15800	90	0	76-131/13

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C41006-4MS	L43315.D	1	08/05/15	TN	n/a	n/a	VL1301
C41006-4MSD	L43316.D	1	08/05/15	TN	n/a	n/a	VL1301
C41006-4	L43311.D	1	08/05/15	TN	n/a	n/a	VL1301

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

C40914-3, C40914-4

CAS No.	Compound	C41006-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		70300	70300	100	70300	71500	102	2	65-135/20
87-68-3	Hexachlorobutadiene	ND		17600	16500	94	17600	18400	105	11	77-131/17
98-82-8	Isopropylbenzene	347	J	17600	18600	104	17600	18800	105	1	80-124/14
99-87-6	p-Isopropyltoluene	ND		17600	16100	92	17600	18100	103	12	78-122/13
108-10-1	4-Methyl-2-pentanone	ND		70300	75300	107	70300	81200	116	8	70-135/18
74-83-9	Methyl bromide	ND		17600	15600	89	17600	15500	88	1	74-130/15
74-87-3	Methyl chloride	ND		17600	13100	75	17600	13800	79	5	65-131/22
74-95-3	Methylene bromide	ND		17600	18400	105	17600	18400	105	0	78-124/13
75-09-2	Methylene chloride	ND		17600	17500	100	17600	17600	100	1	75-121/16
78-93-3	Methyl ethyl ketone	ND		70300	69600	99	70300	73700	105	6	70-137/21
1634-04-4	Methyl Tert Butyl Ether	ND		17600	15100	86	17600	15500	88	3	75-127/16
91-20-3	Naphthalene	2600		17600	17600	85	17600	20000	99	13	67-127/19
103-65-1	n-Propylbenzene	1690	J	17600	16800	86	17600	18800	97	11	75-123/13
100-42-5	Styrene	ND		17600	19000	108	17600	18900	108	1	78-122/12
994-05-8	Tert-Amyl Methyl Ether	ND		17600	16500	94	17600	16700	95	1	77-127/13
75-65-0	Tert Butyl Alcohol	ND		87900	80100	91	87900	83700	95	4	61-141/32
630-20-6	1,1,1,2-Tetrachloroethane	ND		17600	19500	111	17600	18900	108	3	78-124/13
71-55-6	1,1,1-Trichloroethane	ND		17600	16800	96	17600	17000	97	1	79-128/15
79-34-5	1,1,2,2-Tetrachloroethane	ND		17600	16000	91	17600	18100	103	12	70-125/14
79-00-5	1,1,2-Trichloroethane	ND		17600	18100	103	17600	18100	103	0	74-122/13
87-61-6	1,2,3-Trichlorobenzene	ND		17600	17200	98	17600	18900	108	9	75-128/18
96-18-4	1,2,3-Trichloropropane	ND		17600	18200	104	17600	18200	104	0	74-125/15
120-82-1	1,2,4-Trichlorobenzene	ND		17600	17000	97	17600	18700	106	10	77-128/16
95-63-6	1,2,4-Trimethylbenzene	10900		17600	25600	84	17600	28600	101	11	76-121/13
108-67-8	1,3,5-Trimethylbenzene	2950		17600	19500	94	17600	21900	108	12	78-123/13
127-18-4	Tetrachloroethylene	ND		17600	18600	106	17600	19100	109	3	77-125/14
108-88-3	Toluene	2320		17600	20800	105	17600	20800	105	0	78-120/13
79-01-6	Trichloroethylene	ND		17600	18100	103	17600	18000	102	1	80-124/13
75-69-4	Trichlorofluoromethane	ND		17600	15200	86	17600	15200	86	0	78-130/17
75-01-4	Vinyl chloride	ND		17600	14500	83	17600	14400	82	1	69-136/18
1330-20-7	Xylene (total)	13400		52700	69000	105	52700	69700	107	1	78-122/13

CAS No.	Surrogate Recoveries	MS	MSD	C41006-4	Limits
1868-53-7	Dibromofluoromethane	94%	92%	98%	75-125%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C41006-4MS	L43315.D	1	08/05/15	TN	n/a	n/a	VL1301
C41006-4MSD	L43316.D	1	08/05/15	TN	n/a	n/a	VL1301
C41006-4	L43311.D	1	08/05/15	TN	n/a	n/a	VL1301

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

C40914-3, C40914-4

CAS No.	Surrogate Recoveries	MS	MSD	C41006-4	Limits
2037-26-5	Toluene-D8	98%	97%	96%	80-121%
460-00-4	4-Bromofluorobenzene	100%	95%	97%	71-126%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40875-9MS	L43281.D	1	08/04/15	TN	n/a	n/a	VL1299
C40875-9MSD	L43317.D	1	08/05/15	TN	n/a	n/a	VL1299
C40875-9	L43260.D	1	08/03/15	TN	n/a	n/a	VL1299

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

C40914-1, C40914-2, C40914-4

CAS No.	Compound	C40875-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		7870	6700	85	7870	7800	99	15	59-143/27
71-43-2	Benzene	ND		1970	1770	90	1970	2000	102	12	80-122/13
108-86-1	Bromobenzene	ND		1970	5440	276* [a]	1970	2120	108	88* [a]	76-122/12
74-97-5	Bromochloromethane	ND		1970	1950	99	1970	2130	108	9	81-126/13
75-27-4	Bromodichloromethane	ND		1970	1760	89	1970	1880	96	7	76-124/13
75-25-2	Bromoform	ND		1970	1900	97	1970	2150	109	12	72-134/14
104-51-8	n-Butylbenzene	ND		1970	1500	76	1970	1870	95	22* [a]	76-122/14
135-98-8	sec-Butylbenzene	ND		1970	1660	84	1970	1940	99	16* [a]	77-124/14
98-06-6	tert-Butylbenzene	ND		1970	1740	88	1970	1950	99	11	76-124/13
108-90-7	Chlorobenzene	ND		1970	1770	90	1970	2080	106	16* [a]	78-122/12
75-00-3	Chloroethane	ND		1970	1660	84	1970	1400	71	17* [a]	71-126/16
67-66-3	Chloroform	ND		1970	1690	86	1970	1820	92	7	79-126/13
95-49-8	o-Chlorotoluene	ND		1970	1640	83	1970	1850	94	12	73-124/15
106-43-4	p-Chlorotoluene	ND		1970	1700	86	1970	1980	101	15	73-127/16
56-23-5	Carbon tetrachloride	ND		1970	1650	84	1970	1910	97	15	78-127/15
75-34-3	1,1-Dichloroethane	ND		1970	1660	84	1970	1770	90	6	76-123/14
75-35-4	1,1-Dichloroethylene	ND		1970	1680	85	1970	1890	96	12	73-124/15
563-58-6	1,1-Dichloropropene	ND		1970	1640	83	1970	1740	88	6	78-126/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		1970	1620	82	1970	1710	87	5	62-127/21
106-93-4	1,2-Dibromoethane	ND		1970	1780	90	1970	2080	106	16* [a]	76-123/13
107-06-2	1,2-Dichloroethane	ND		1970	1660	84	1970	1840	93	10	74-125/12
78-87-5	1,2-Dichloropropane	ND		1970	1750	89	1970	1950	99	11	76-123/12
142-28-9	1,3-Dichloropropane	ND		1970	1730	88	1970	2080	106	18* [a]	77-121/13
108-20-3	Di-Isopropyl ether	ND		1970	1620	82	1970	1670	85	3	71-126/14
594-20-7	2,2-Dichloropropane	ND		1970	1480	75* [a]	1970	1820	92	21* [a]	77-132/17
124-48-1	Dibromochloromethane	ND		1970	2280	116	1970	2030	103	12	73-127/13
75-71-8	Dichlorodifluoromethane	ND		1970	1560	79	1970	1380	70	12	52-141/20
156-59-2	cis-1,2-Dichloroethylene	ND		1970	1810	92	1970	2170	110	18* [a]	80-124/13
10061-01-5	cis-1,3-Dichloropropene	ND		1970	1720	87	1970	2050	104	18* [a]	77-125/13
541-73-1	m-Dichlorobenzene	ND		1970	1760	89	1970	2050	104	15* [a]	76-123/12
95-50-1	o-Dichlorobenzene	ND		1970	1800	91	1970	2040	104	13* [a]	76-123/12
106-46-7	p-Dichlorobenzene	ND		1970	1740	88	1970	2040	104	16* [a]	77-121/12
156-60-5	trans-1,2-Dichloroethylene	ND		1970	1740	88	1970	1840	93	6	78-123/15
10061-02-6	trans-1,3-Dichloropropene	ND		1970	1660	84	1970	1950	99	16* [a]	71-122/13
100-41-4	Ethylbenzene	ND		1970	1690	86	1970	2010	102	17* [a]	79-121/13
637-92-3	Ethyl tert-Butyl Ether	ND		1970	1670	85	1970	1740	88	4	76-131/13

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40875-9MS	L43281.D	1	08/04/15	TN	n/a	n/a	VL1299
C40875-9MSD	L43317.D	1	08/05/15	TN	n/a	n/a	VL1299
C40875-9	L43260.D	1	08/03/15	TN	n/a	n/a	VL1299

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

C40914-1, C40914-2, C40914-4

CAS No.	Compound	C40875-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		7870	6480	82	7870	7780	99	18	65-135/20
87-68-3	Hexachlorobutadiene	ND		1970	1590	81	1970	2030	103	24* a	77-131/17
98-82-8	Isopropylbenzene	ND		1970	1690	86	1970	2010	102	17* a	80-124/14
99-87-6	p-Isopropyltoluene	ND		1970	1640	83	1970	1940	99	17* a	78-122/13
108-10-1	4-Methyl-2-pentanone	ND		7870	7260	92	7870	8650	110	17	70-135/18
74-83-9	Methyl bromide	ND		1970	1720	87	1970	1640	83	5	74-130/15
74-87-3	Methyl chloride	ND		1970	1540	78	1970	1330	68	15	65-131/22
74-95-3	Methylene bromide	ND		1970	1810	92	1970	2050	104	12	78-124/13
75-09-2	Methylene chloride	ND		1970	1740	88	1970	1970	100	12	75-121/16
78-93-3	Methyl ethyl ketone	ND		7870	6940	88	7870	8200	104	17	70-137/21
1634-04-4	Methyl Tert Butyl Ether	ND		1970	1630	83	1970	1650	84	1	75-127/16
91-20-3	Naphthalene	ND		1970	1750	89	1970	1870	95	7	67-127/19
103-65-1	n-Propylbenzene	ND		1970	1640	83	1970	1860	94	13	75-123/13
100-42-5	Styrene	ND		1970	1790	91	1970	2100	107	16* a	78-122/12
994-05-8	Tert-Amyl Methyl Ether	ND		1970	1700	86	1970	1830	93	7	77-127/13
75-65-0	Tert Butyl Alcohol	ND		9840	7440	76	9840	9520	97	25	61-141/32
630-20-6	1,1,1,2-Tetrachloroethane	ND		1970	1830	93	1970	2090	106	13	78-124/13
71-55-6	1,1,1-Trichloroethane	ND		1970	1600	81	1970	1810	92	12	79-128/15
79-34-5	1,1,2,2-Tetrachloroethane	ND		1970	1750	89	1970	1970	100	12	70-125/14
79-00-5	1,1,2-Trichloroethane	ND		1970	1760	89	1970	2000	102	13	74-122/13
87-61-6	1,2,3-Trichlorobenzene	ND		1970	1730	88	1970	2080	106	18	75-128/18
96-18-4	1,2,3-Trichloropropane	ND		1970	1560	79	1970	2000	102	25* a	74-125/15
120-82-1	1,2,4-Trichlorobenzene	ND		1970	1640	83	1970	2060	105	23* a	77-128/16
95-63-6	1,2,4-Trimethylbenzene	ND		1970	1690	86	1970	1910	97	12	76-121/13
108-67-8	1,3,5-Trimethylbenzene	ND		1970	1710	87	1970	1990	101	15* a	78-123/13
127-18-4	Tetrachloroethylene	ND		1970	1760	89	1970	2160	110	20* a	77-125/14
108-88-3	Toluene	ND		1970	1730	88	1970	2060	105	17* a	78-120/13
79-01-6	Trichloroethylene	1660		1970	3700	104	1970	5870	214* a	45* a	80-124/13
75-69-4	Trichlorofluoromethane	ND		1970	1530	78	1970	1580	80	3	78-130/17
75-01-4	Vinyl chloride	ND		1970	1050	53* a	1970	971	49* a	8	69-136/18
1330-20-7	Xylene (total)	ND		5910	5140	87	5910	6130	104	18* a	78-122/13

CAS No.	Surrogate Recoveries	MS	MSD	C40875-9	Limits
1868-53-7	Dibromofluoromethane	95%	92%	93%	75-125%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40875-9MS	L43281.D	1	08/04/15	TN	n/a	n/a	VL1299
C40875-9MSD	L43317.D	1	08/05/15	TN	n/a	n/a	VL1299
C40875-9	L43260.D	1	08/03/15	TN	n/a	n/a	VL1299

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

C40914-1, C40914-2, C40914-4

CAS No.	Surrogate Recoveries	MS	MSD	C40875-9	Limits
2037-26-5	Toluene-D8	97%	98%	98%	80-121%
460-00-4	4-Bromofluorobenzene	95%	96%	96%	71-126%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12753-MB	X43819.D	1	07/29/15	BJ	07/28/15	OP12753	EX1897

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

C40914-1, C40914-2, C40914-3, C40914-4

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	17	ug/kg	
208-96-8	Acenaphthylene	ND	17	ug/kg	
120-12-7	Anthracene	ND	17	ug/kg	
56-55-3	Benzo(a)anthracene	ND	3.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	3.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	3.3	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	3.3	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	3.3	ug/kg	
218-01-9	Chrysene	ND	3.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	3.3	ug/kg	
206-44-0	Fluoranthene	ND	17	ug/kg	
86-73-7	Fluorene	ND	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	3.3	ug/kg	
90-12-0	1-Methylnaphthalene	ND	17	ug/kg	
91-57-6	2-Methylnaphthalene	ND	17	ug/kg	
91-20-3	Naphthalene	ND	17	ug/kg	
85-01-8	Phenanthrene	ND	17	ug/kg	
129-00-0	Pyrene	ND	17	ug/kg	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	83%	32-128%
321-60-8	2-Fluorobiphenyl	84%	48-122%
1718-51-0	Terphenyl-d14	94%	48-148%

Method Blank Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12753-MB	T19933.D	1	07/31/15	BJ	07/28/15	OP12753	ET901

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

C40914-1, C40914-2, C40914-3, C40914-4

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	17	ug/kg	
208-96-8	Acenaphthylene	ND	17	ug/kg	
120-12-7	Anthracene	ND	17	ug/kg	
56-55-3	Benzo(a)anthracene	ND	3.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	3.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	3.3	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	3.3	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	3.3	ug/kg	
218-01-9	Chrysene	ND	3.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	3.3	ug/kg	
206-44-0	Fluoranthene	ND	17	ug/kg	
86-73-7	Fluorene	ND	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	3.3	ug/kg	
90-12-0	1-Methylnaphthalene	ND	17	ug/kg	
91-57-6	2-Methylnaphthalene	ND	17	ug/kg	
91-20-3	Naphthalene	ND	17	ug/kg	
85-01-8	Phenanthrene	ND	17	ug/kg	
129-00-0	Pyrene	ND	17	ug/kg	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	79%	32-128%
321-60-8	2-Fluorobiphenyl	78%	48-122%
1718-51-0	Terphenyl-d14	98%	48-148%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40914
Account: PENSKELC Penske Truck Leasing Co., L.P.
Project: STANCAWC:T0600101062-725 Julie Ann Way Oakland

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12753-BS	X43817.D	1	07/29/15	BJ	07/28/15	OP12753	EX1897
OP12753-BSD	X43818.D	1	07/29/15	BJ	07/28/15	OP12753	EX1897

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

C40914-1, C40914-2, C40914-3, C40914-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	167	132	79	127	76	4	67-106/9
208-96-8	Acenaphthylene	167	136	82	131	79	4	67-104/9
120-12-7	Anthracene	167	130	78	125	75	4	66-107/11
56-55-3	Benzo(a)anthracene	167	143	86	140	84	2	72-115/9
50-32-8	Benzo(a)pyrene	167	122	73	114	68	7	64-107/10
205-99-2	Benzo(b)fluoranthene	167	144	86	150	90	4	69-127/15
191-24-2	Benzo(g,h,i)perylene	167	145	87	145	87	0	63-125/14
207-08-9	Benzo(k)fluoranthene	167	141	85	129	77	9	73-127/14
218-01-9	Chrysene	167	141	85	136	82	4	72-119/8
53-70-3	Dibenzo(a,h)anthracene	167	141	85	145	87	3	65-128/16
206-44-0	Fluoranthene	167	142	85	139	83	2	74-119/11
86-73-7	Fluorene	167	143	86	137	82	4	71-111/10
193-39-5	Indeno(1,2,3-cd)pyrene	167	163	98	163	98	0	59-128/18
90-12-0	1-Methylnaphthalene	167	132	79	128	77	3	63-103/12
91-57-6	2-Methylnaphthalene	167	131	79	127	76	3	64-106/12
91-20-3	Naphthalene	167	121	73	116	70	4	62-99/10
85-01-8	Phenanthrene	167	133	80	130	78	2	68-111/14
129-00-0	Pyrene	167	130	78	125	75	4	62-122/15

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	80%	79%	32-128%
321-60-8	2-Fluorobiphenyl	85%	81%	48-122%
1718-51-0	Terphenyl-d14	91%	86%	48-148%

* = Outside of Control Limits.