APPENDIX F

LABORATORY REPORTS

BASELINE ON-SITE ANALYSIS™

Baseline On-Site Analysis
P. O. Box 2243
Huntington Beach, CA 92647

Toll Free: 888.753.7553
FAX: 714.840.1584

Laboratory Report

Client: FREY Environmental, Inc.
Client Address: 2817-A Lafayette Avenue
Newport Beach, California 92663

Project Name: Alamo Car Wash
Project Address: 784 N. Nogales Street
Walnut, California
Contact: Sawyer Jones

Report Date: 12/27/06
Lab Project Number: 06447
Client Project Number: 159-11

Dates Sampled: 12/18-19/06
Dates Received: 12/20/06
Dates Analyzed: 12/20/06
Sample Matrix: Soil

Analyses Requested:

1. **EPA 8015M – Total Petroleum Hydrocarbons as Diesel (TPH-D)**
2. **EPA 8015M – Total Petroleum Hydrocarbons as Gasoline (TPH-G)**
3. **EPA 8260B – Volatile Aromatics (BTEX)**
4. **EPA 8260B – Fuel Oxygenates**
5. **EPA 5035 – Closed-System Purge & Trap and Extraction for Volatile Organics in Soil Samples**

Baseline received a samples collected from the project shown above. A Chain-of-Custody Record (COC) is attached.

The samples were analyzed for the parameters shown above per the COC. In this report, *Baseline* presents the results and a QA/QC summary for these analyses.

Brian K. Kato

Approved
Brian K. Kato, Laboratory Manager

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TPH as Diesel & Gasoline (TPH-D & TPH-G) and Volatile Aromatics (BTEX) Results

Constituent:	TPH-D	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
Method:	8015M	8015M	8260B	8260B	8260B	8260B
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample ID						
MW4-10	ND<10	ND<0.50	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW5-15	ND<10	ND<0.50	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW6-10	1.9	ND<0.50	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW6-20	ND<10	ND<0.50	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW7-15	16	72	0.0022 J	0.28	0.69	1.3
MW7-20	ND<10	ND<0.50	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
Method Blank	ND<10	ND<0.50	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MDL	5.0	0.25	0.0020	0.0020	0.0020	0.0020

ND: Not detected at the indicated reporting limit (PQL); J: Value is below PQL and above Method Detection Limit (MDL)

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Dates Analyzed: 12/20/06
Sample Matrix: Soil

Fuel Oxygenates Results

Constituent:	MTBE	TBA	DIPE	ETBE	TAME	Ethanol
Method:	8260B	8260B	8260B	8260B	8260B	8260B
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample ID						
MW4-10	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.50
MW5-15	0.033	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.50
MW6-10	1.8	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.50
MW6-20	0.20	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.50
MW7-15	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.50
MW7-20	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.50
Method Blank	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.50
MDL	0.0020	0.020	0.0020	0.0020	0.0020	0.25

Fuel Oxygenates:
MTBE: Methyl-tert Butyl Ether
TBA: t-Butanol
DIPE: Di-Isopropyl Ether
ETBE: Ethyl-t-Butyl Ether
TAME: t-Amyl Methyl Ether

ND: Not detected at the indicated reporting limit (PQL); J: Value is below PQL and above Method Detection Limit (MDL)

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Dates Analyzed: 12/20/06
Sample Matrix: Soil

Quality Control Summary

Analytes	MS Recovery (%)	MSD Recovery (%)	RPD (%)	QC Sample
TPH-D (EPA 8015m)	86	85	1	LCS/LCSD
TPH-G (EPA 8015m)	99	91	8	LCS/LCSD
Benzene (8260B)	94	90	4	MW7-20
Toluene (8260B)	93	90	3	MW7-20
MTBE (8260B)	96	93	3	MW7-20
Acceptable QC Limits:	(65-135)	(65-135)	(0-30)	

MS: Matrix Spike; MSD: Matrix Spike Duplicate; RPD: Relative Percent Difference
LCS/LCSD: Lab Control Sample/Duplicate

FREY Environmental, Inc.	Project Name: Alamo Car Wash
2817-A Lafayette Avenue	Project Address: 784 N. Nogales Street
Newport Beach, California 92663	Walnut, CA
Phone:949.723.1645; FAX:949.723.1854	Project Number: 159-11
Contact: Sawyer Jones	

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Laboratory Project #:

Sample ID	Sampling Date	Sampling Time	Lab ID	Soil (S), Water (W), Vapor (V)	Number of Containers	Requested Analyses: 8015M TPHgd	8260B BTEX + MTBE	Shutdown TOT	24 hr. TOT	Comments
MW4-10	12/18/06	12:40		S	S	X	X		X	24 hr TOT
MW 5-15	12/19/06	14:10						X		
MW6-10	12/18/06	9:15								
MW6-20	12/18/06	9:35								
MW7-15	12/19/06	9:10								
MW7-20	12/19/06	9:20		V	V	V	V	V		

1. Relinquished by

Signature: X

Date/Time: 12/20/06 4:00

2. Received by

Signature: X

Date/Time: 12/20/06 1600

3. Relinquished by

Signature: X

Date/Time:

4. Received by

Signature: X

Date/Time:

Turnaround Time:

Special Instructions/Notes:

Sample Condition: Sealed? Y / N

Chilled? Y / N

BASELINE ON-SITE ANALYSIS™

P. O. Box 2243
Huntington Beach, California 92647

Telephone: (888) 753-7553
FAX: (714) 840-1584

APPENDIX G

DISPOSAL DOCUMENTATION

Soil Recycling Certificate

TPST Soil Recyclers of CA does hereby certify that **8.68** tons of non-hazardous contaminated soil received from

Frev Environmental. Inc.
Alamo Carwash
784 N Nogales Street
Walnut, CA

Under authorization number A07-28227, and billed under invoice # 78620 have been properly recycled to approved regulatory standards at our Soil Recycling facility in Adelanto, CA.

State of Maryland
My commission expires : April 06, 2008
As sworn to me on this 10 day of January 2007.

Notary

Dated this January 10, 2007

Sworn and Attested by:
TPST Soil Recyclers of CA

By:

TPST Soil Recyclers of CA

Non-Hazardous Soils

Manifest

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
	Transporter		ADI	56237	1001

Generator's Name and Billing Address:		
Alamo Car Wash	Generator's Phone #:	Generator's US EPA ID No.
784 North Nogales Street	Person to Contact:	
Walnut, CA	FAX#:	Customer Account Number with TPST:

Consultant's Name and Billing Address:		
Frey Environmental	Consultant's Phone #: 949-723-1645	
2817-A Lafayette Ave.	Person to Contact: Evan Privett	
Newport Beach, Ca. 92663	FAX#:	Customer Account Number with TPST:

Generation Site (Transported from): (name & address)		
Alamo Car Wash	Site Phone #:	BTEX Levels
784 North Nogales Street Walnut, CA	Person to Contact:	TPH Levels
	FAX#:	AVG Levels

Designated Facility (Transported to): (name & address)		
TPS Technologies	Facility Phone #: (800) 862-8001	Facility Permit Numbers
12328 Hibiscus Rd.	Person to Contact: DeAnna Jeffrey	
Adelanto, CA 92301-1700	FAX #: (760) 246-8004	

Transporter Name and Mailing Address:		
American Integrated Services, Inc.	Transporter's Phone #: (310) 522-1168	Transporter's US EPA ID No.: CAR000148338
P.O. Box 92316	Person to Contact: Melynde Borrego	Transporter's DOT No.
Long Beach, CA 90809-2316	FAX#: (310) 522-0474	Customer Account Number with TPST: 7784908

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	10.83		38040	20600	1740
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					8.82

List any exception to items listed above: AIS Project # 26002-90 B16040 Scale Ticket# B1700

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: ?? As agent for Generator J.Sherman Generator ☐ Consultant ☐ Signature and date: [signature] Month 12 Day 21 Year 06

Transporter *Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.*

Print or Type Name: Coni, Jorge Signature and date: [signature] Month 12 Day 21 Year 06

Recycling Facility Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: [signature] 1.3.7

TRANSPORTER COPY

FREY ENVIRONMENTAL, INC.

Environmental Geologists, Engineers, Assessors

2817 A Lafayette Avenue
Newport Beach, CA 92663
(949) 723-1645
Fax (949) 723-1854
Email: freyinc@freyinc.com

June 2, 2008
159-11

Mr. Gregg Kwey
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013

SECOND QUARTER 2008
GROUNDWATER MONITORING WELL SAMPLING
AND SITE STATUS UPDATE
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA
(RWQCB ID #R-15014, GLOBAL ID #T0603774352)

Dear Mr. Kwey:

This report presents the results of quarterly groundwater monitoring and sampling activities conducted at 784 North Nogales Street in Walnut, California [(Site)(Figure 1)]. The Site is currently an active car wash facility and fueling station with the configuration shown on Figures 2 and 3.

SUMMARY OF ACTIVITIES

Groundwater Monitoring and Sampling

On April 24, 2008, groundwater monitoring wells MW1 through MW8 were measured for depth to water and checked for the presence of free product. Free product was not detected, and the wells were subsequently purged and sampled.

Groundwater samples collected were analyzed for total petroleum hydrocarbons modified for gasoline (TPHg) and for diesel (TPHd) in general accordance with EPA Method No. 8015M and for benzene, toluene, ethylbenzene, total xylenes (BTEX), and fuel oxygenates, including ethanol in general accordance with EPA Method No. 8260B.

Groundwater sampling procedures and groundwater sampling data forms are presented in Appendix A. Copies of the laboratory analytical and quality control/quality assurance reports are presented in Appendix B.

Groundwater Transportation and Disposal

Groundwater purged from the wells was temporarily stored on-Site in Department of Transportation (DOT) approved 55-gallon drums. The purged groundwater was disposed of at Crosby & Overton, a state-licensed hazardous waste recycling facility located in Long Beach, California. A copy of the disposal manifest is included in Appendix C.

DISCUSSION AND RESULTS

Groundwater Depths and Elevations

Measured groundwater depths ranged from 12.90 to 17.65 feet below the top of well casing on April 24, 2008. Calculated groundwater elevations ranged from 565.07 feet above mean sea level (feet msl) in well MW4 to 570.03 feet msl in well MW5. Depth to groundwater and groundwater elevations are summarized in Table 1.

The groundwater flow direction beneath the Site was estimated to be to the south at an approximate gradient of 0.025 feet per foot. A Site sketch showing groundwater elevations and estimated direction of groundwater flow on April 24, 2008, is shown as Figure 3.

TPH, BTEX, Fuel Oxygenate Analyses

TPHg was detected at concentrations ranging from 350 to 190,000 microgram per liter (ug/l) in wells MW1, MW2 and MW4 through MW8. Concentrations of TPHg have increased in wells MW2, MW6 and MW8 since the previous monitoring and sampling event. Concentrations of TPHg have decreased in wells MW1, MW4, MW5 and MW6. TPHd was detected in groundwater samples collected and anallyzed from well MW1 at a concentration of 1,600 ug/l. TPHd was not detected in groundwater samples collected and analyzed from wells MW2-MW8.

Benzene was detected in groundwater samples collected and analyzed from MW1 at a concentration of 8,500 ug/l. Concentrations of benzene have increased since the previous quarter. Benzene was not detected in groundwater samples collected and analyzed from groundwater monitoring wells MW2 through MW8.

Methyl-t-butyl ether (MTBE) was detected in groundwater samples collected and analyzed from all groundwater monitoring wells at concentrations ranging from 1.4 to 1,100 ug/l. MTBE concentrations have decreased since the previous quarterly monitoring and sampling event.

Tert-butyl alcohol (TBA) was detected in groundwater samples collected and analyzed from wells MW1, MW2, and MW4 through MW8 at concentrations ranging from 320 to 110,000 ug/l. Concentrations of TBA have increased in wells MW2, MW6 and MW8 since the previous monitoring and sampling event. Concentrations of TBA have decreased in wells MW1, MW4, MW5 and MW7. No other fuel oxygenates were detected in groundwater samples collected and

analyzed during the second quarter 2008 sampling event.

Laboratory chemical analyses results are summarized on Table 1. Site sketches showing TPHg, benzene, MTBE, and TBA concentrations in groundwater on April, 2008, are shown as Figure 4 through 7, respectively.

STATUS AND ACTIVITIES PLANNED FOR THIRD QUARTER 2008

- Third quarter 2008 groundwater monitoring and sampling activities will be conducted at the Site in July, 2008.

- FREY anticipates conducting additional on-site and off-site subsurface soil and groundwater activities during the third quarter 2008 as detailed in our workplan titled; "Additional Subsurface Soil and Groundwater Investigation" dated March 11, 2008. The work plan proposes to install five additional groundwater monitoring wells located approximately as follows: 1) northeast of MW8; 2) northwest of MW8; 3) northwest of MW7 (in Nogales Street); 4) south of MW7 (in Nogales Street); and, 5) South of MW4 (in Nogales Street).

- FREY will begin permitting for the remediation system during the third quarter 2008. Remediation permitting is estimated to require three months to complete.

If you have any questions regarding this report, please contact us at (949) 723-1645.

Sincerely,
FREY Environmental, Inc.

REGISTERED ENGINEERING GEOLOGIST
JOSEPH W. FREY
No. 1500
Exp. 8/31/08
STATE OF CALIFORNIA

Joe Frey
Principal Certified
Engineering Geologist
CEG #1500

Sawyer Jones
Senior Staff Environmental
Scientist

Walter Bell
Staff Engineer

Attachments:

Table 1	Summary of Groundwater Levels and Chemical Analysis Results
Figure 1	Site Location Map
Figure 2	Site Vicinity Sketch
Figure 3	Site Sketch Showing Groundwater Elevations and Estimated Groundwater Flow Direction on April 24, 2008
Figure 4	Site Sketch Showing TPH-G Concentrations in Groundwater on April 24, 2008
Figure 5	Site Sketch Showing Benzene Concentrations in Groundwater on April 24, 2008
Figure 6	Site Sketch Showing MTBE Concentrations in Groundwater on April 24, 2008
Figure 7	Site Sketch Showing TBA Concentrations in Groundwater on April 24, 2008
Appendix A	Field Procedures and Water Sampling Data Forms
Appendix B	Laboratory Reports
Appendix C	Disposal Documentation

cc: Ms. Sylvia Gerstner
P.O. Box 545
San Gabriel, California 91778

State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, California 94244-2120
(Via Geotracker)

TABLE

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	TPHg [3] (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW1	582.45	9-39	08/17/2005	14.10	568.35	45,000	360	3,400	11,000	1,200	8,000	1,900	13,000	ND<2.0	ND<2.0	ND<2.0	--
			11/18/2005	14.56	567.89	50,000	690	9,900	4,100	3,400	6,200	8,500	7,600	ND<20	ND<20	ND<20	--
			02/08/2006	14.99	567.46	76,000	1,100	4,800	2,300	1,700	3,600	11,000	43,000	ND<20	ND<20	ND<20	--
			06/02/2006	15.26	567.19	20,000	--	4,700	660	1,500	1,930	16,000	66,000	ND<100	ND<100	ND<100	--
			08/21/2006	15.27	567.18	44,000	430	5,600	1,100	1,300	2,400	11,000	23,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/17/2006	15.11	567.34	62,000	360	3,000	1,300	900	1,000	16,000	32,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/12/2007	14.25	568.20	190,000	370	3,000	4,700	680	2,900	21,000	140,000	ND<40	ND<40	ND<40	ND<1,000
			04/26/2007	13.70	568.75	210,000	610	4,300	7,000	1,100	5,000	27,000	180,000	ND<40	ND<40	ND<40	ND<1,000
			08/31/2007	13.38	569.07	250,000	2,100	8,300	18,000	3,500	13,000	21,000	170,000	ND<40	ND<40	ND<40	ND<1,000
			11/21/2007	13.47	568.98	310,000	3,700	5,800	14,800	3,400	16,000	17,000	190,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	13.94	568.51	240,000	2,100	5,400	18,000	2,500	13,000	5,500	98,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	14.30	568.15	190,000	1,600	8,500	26,000	2,400	14,000	1,100	82,000	ND<2.0	ND<2.0	ND<2.0	ND<50
MW2	581.39	8-38	08/17/2005	13.86	567.53	ND<50	ND<100	ND<0.50	4.3	ND<0.50	2.6	8.3	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			11/18/2005	14.16	567.23	290	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.9	220	ND<2.0	ND<2.0	ND<2.0	--
			02/08/2006	14.53	566.86	1,400	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.4	1,400	ND<2.0	ND<2.0	ND<2.0	--
			06/02/2006	14.72	566.67	210	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			08/21/2006	15.03	566.36	170	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/17/2006	14.65	566.74	1,600	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	1,500	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/12/2007	14.60	566.79	13,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.8	13,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	14.00	567.39	9,400	ND<100	3.3	2.8	0.68	4.0	17	9,400	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	13.68	567.71	39,000	ND<100	2.5	2.1	0.51	3.0	33	38,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	13.80	567.59	28,000	ND<100	ND<0.50	6.4	1.6	5.6	26	28,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	14.25	567.14	57,000	ND<100	ND<0.50	ND<0.50	ND<0.50	1.2	24	57,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	14.35	567.04	73,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	72,000	ND<2.0	ND<2.0	ND<2.0	ND<50
MW3	582.35	14-44	08/17/2005	14.69	567.66	ND<50	ND<100	1.0	5.2	ND<0.50	3.3	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			11/18/2005	15.09	567.26	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			02/08/2006	15.45	566.90	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			06/02/2006	15.42	566.93	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			08/21/2006	15.73	566.62	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/17/2006	15.61	566.74	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/12/2007	15.46	566.89	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	15.00	567.35	88	ND<100	6.6	0.60	ND<0.50	0.65	15	73	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	14.80	567.55	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.1	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	14.81	567.54	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.3	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	15.05	567.30	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.95	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	15.20	567.15	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.4	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	TPHg [3] (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW4	579.47	9-39	01/12/2007	14.61	564.86	240	ND<100	1.0	2.8	ND<0.50	1.6	180	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	14.15	565.32	650	ND<100	ND<0.50	ND<0.50	ND<0.50	1.6	65	580	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	14.03	565.44	1,100	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	120	980	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	14.07	565.40	5,100	ND<100	5.8	42	6.2	41	180	4,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	14.45	565.02	11,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	170	10,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	14.40	565.07	9,300	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	72	9,200	ND<2.0	ND<2.0	ND<2.0	ND<50
MW5	582.93	10-40	01/12/2007	13.33	569.60	120	ND<100	0.50	1.4	ND<0.50	0.60	83	13	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	12.65	570.28	110	ND<100	ND<0.50	ND<0.50	ND<0.50	0.60	30	82	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	12.25	570.68	1,300	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	47	1,200	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	12.25	570.68	8,300	ND<100	1.0	7.0	1.1	6.4	98	8,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	12.60	570.33	430	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	410	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	12.90	570.03	350	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.0	320	ND<2.0	ND<2.0	ND<2.0	ND<50
MW6	583.68	10-40	01/12/2007	14.50	569.18	99,000	ND<100	ND<0.50	1.2	ND<0.50	0.77	270	98,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	13.95	569.73	140,000	ND<100	ND<0.50	ND<0.50	ND<0.50	0.77	170	140,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	13.53	570.15	190,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	270	190,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	13.72	569.96	230,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	350	230,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	14.16	569.52	93,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	85	92,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	14.50	569.18	120,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	46	110,000	ND<2.0	ND<2.0	ND<2.0	ND<50
MW7	580.83	10-40	01/12/2007	13.00	567.83	1,300	ND<100	1.8	57	130	260	1.5	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	12.46	568.37	190	ND<100	0.75	43	80	140	5.4	180	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	12.15	568.68	1,200	ND<100	ND<0.50	17	62	120	5.3	980	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	12.15	568.68	7,600	ND<100	2.2	110	320	680	8.0	3,400	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	12.45	568.38	3,800	ND<100	ND<0.50	42	170	440	5.0	1,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	13.10	567.73	2,400	ND<100	ND<0.50	28	110	330	4.3	1,200	ND<2.0	ND<2.0	ND<2.0	ND<50

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	TPHg [3] (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW8	584.90	10-40	08/31/2007	14.04	570.86	8,400	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	63	8,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	14.10	570.80	16,000	ND<100	1.9	12	2.1	9.8	79	15,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	14.50	570.40	13,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	61	13,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	17.65	567.25	17,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	34	17,000	ND<2.0	ND<2.0	ND<2.0	ND<50

Notes:

[1] Groundwater monitoring well locations and elevations were surveyed in general accordance with Geotracker standards on November 4, 2005, by a RDM Surveying, Inc., a California licensed land surveyor, with respect to City of West Covina Bench Mark #108.

[2] Depth to groundwater as measured from the top of well casing.

[3] Analyzed for total petroleum hydrocarbons as gasoline (TPH(g) and as diesel (TPHd) by modified EPA Method No. 8015M.

[4] Analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX), Methyl-t-Butyl Ether (MTBE), Tert-Butyl Alcohol (TBA), Diisopropyl Ether (DIPE), Ethyl-t-Butyl Ether (ETBE), Tert-Amyl-Methyl Ether (TAME), and ethanol by EPA Method No. 8260B.

(ug/l) = micrograms per liter

ND<0.50 = Not Detected at or above the laboratory detection limit.

ft-msl = feet above mean sea level.

bgs = below the ground surface.

-- = not analyzed

NS = Not Surveyed

FIGURES

NORTH

0 1/2 1

SCALE IN MILES

ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Client: GERSTNER

Project No.: 159-11

FREY ENVIRONMENTAL, INC.

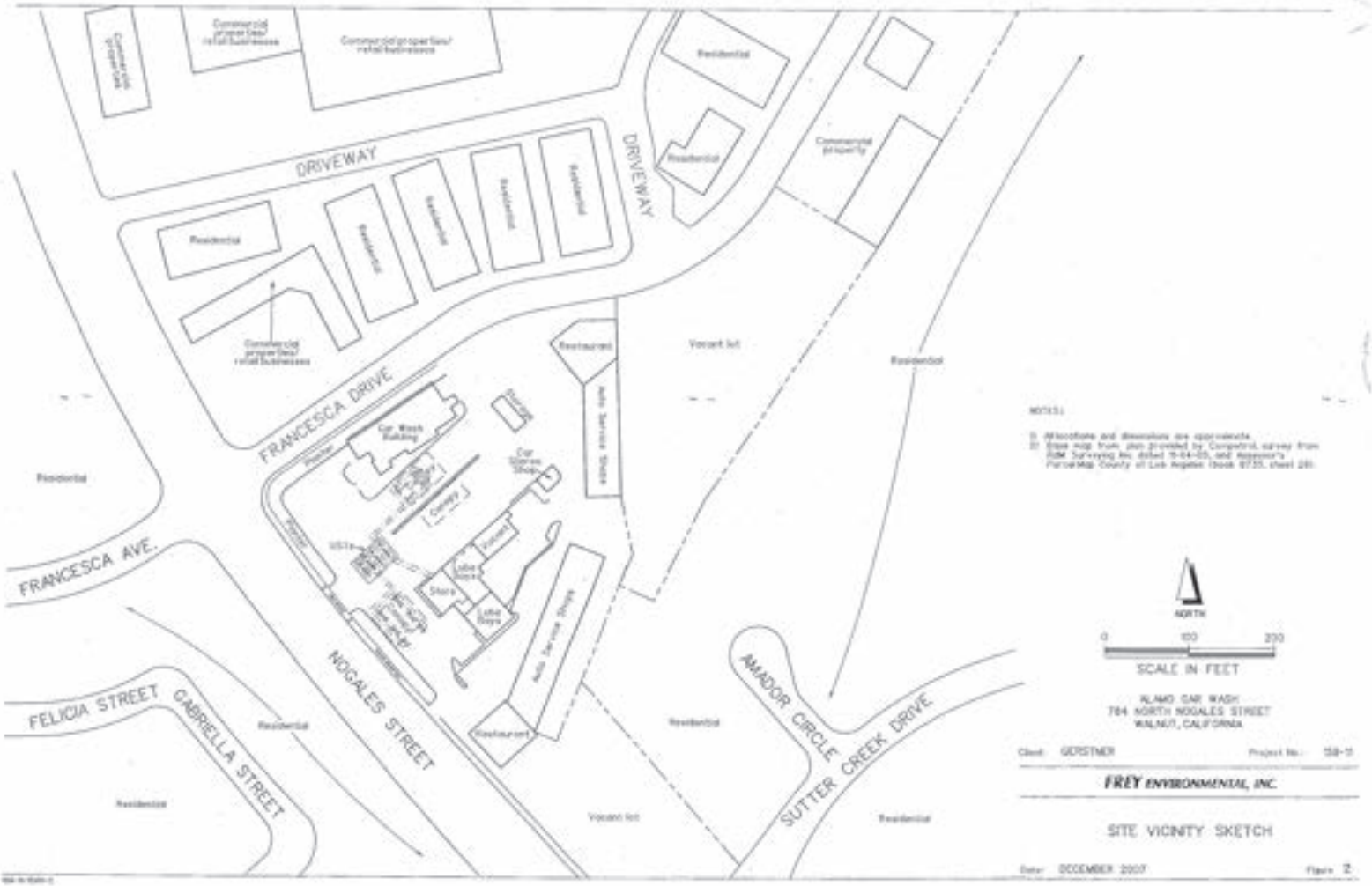
NOTE:

1) All locations and dimensions are approximate.
2) Base map from USGS 7.5 minute Baldwin Park (1978, photorevised 1981), California topographic quadrangle.

SITE LOCATION MAP

Date: MARCH 2007

Figure: 1



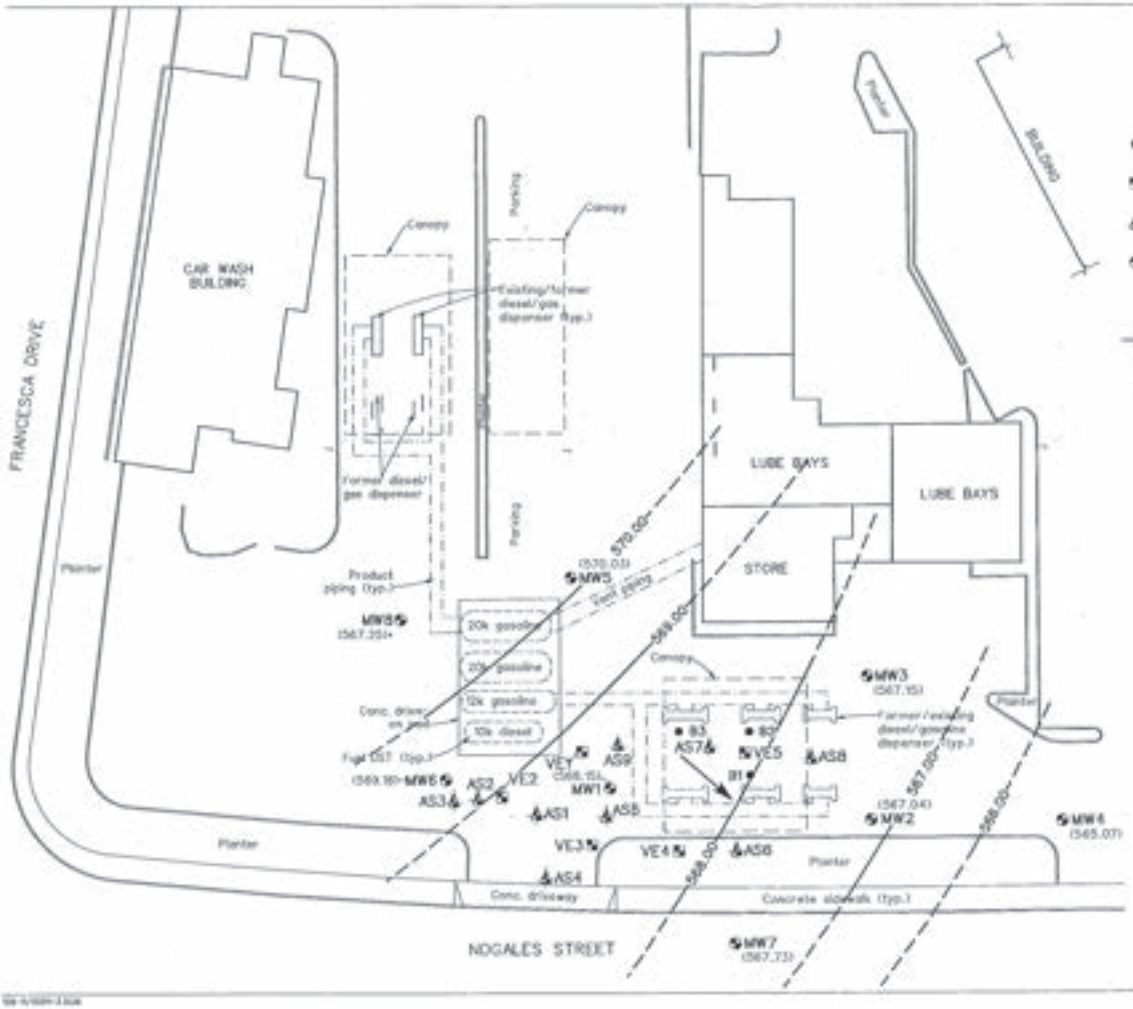
ALAMO CAR WASH
764 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Client: GERSTNER Project No.: 158-11

FREY ENVIRONMENTAL, INC.

SITE VICINITY SKETCH

Date: DECEMBER 2007 Figure 2



EXPLANATION

- B1 — SOIL BORING LOCATION
- VE1 — VAPOR EXTRACTION WELL LOCATION
- AS1 — AIR SPARGE WELL LOCATION
- MW1 — GROUNDWATER MONITORING WELL LOCATION
- (568.15) — With groundwater elevation in feet MSL, on April 24, 2008
- —568.00— CONTOUR OF EQUAL GROUNDWATER ELEVATION (in feet MSL, on April 24, 2008)
- ESTIMATED GROUNDWATER FLOW DIRECTION

NOTES:

1) All locations and dimensions are approximate.
2) Base map from plan provided by Computrol, survey from RBF Surveying Inc. dated 11-04-04, and Assessor's Parcel Map County of Los Angeles (book 8733), sheet 26).
3) Soil samples were taken by FREY Environmental, Inc. personnel.
4) Groundwater monitoring wells MW1 through MW3 were installed by FREY on July 14 and 15, 2005 and surveyed by RBM Surveying Inc. on 11-04-2005.
5) Groundwater monitoring wells MW4 through MW7 were installed by FREY on December 18 and 19, 2006 and surveyed by RBM Surveying Inc. on 02-02-2007.
6) Wells AS7, AS8, VE5, plus MW8 were surveyed by RBM Surveying Inc. on 08/07/2007.

NORTH

0 30 60

SCALE IN FEET

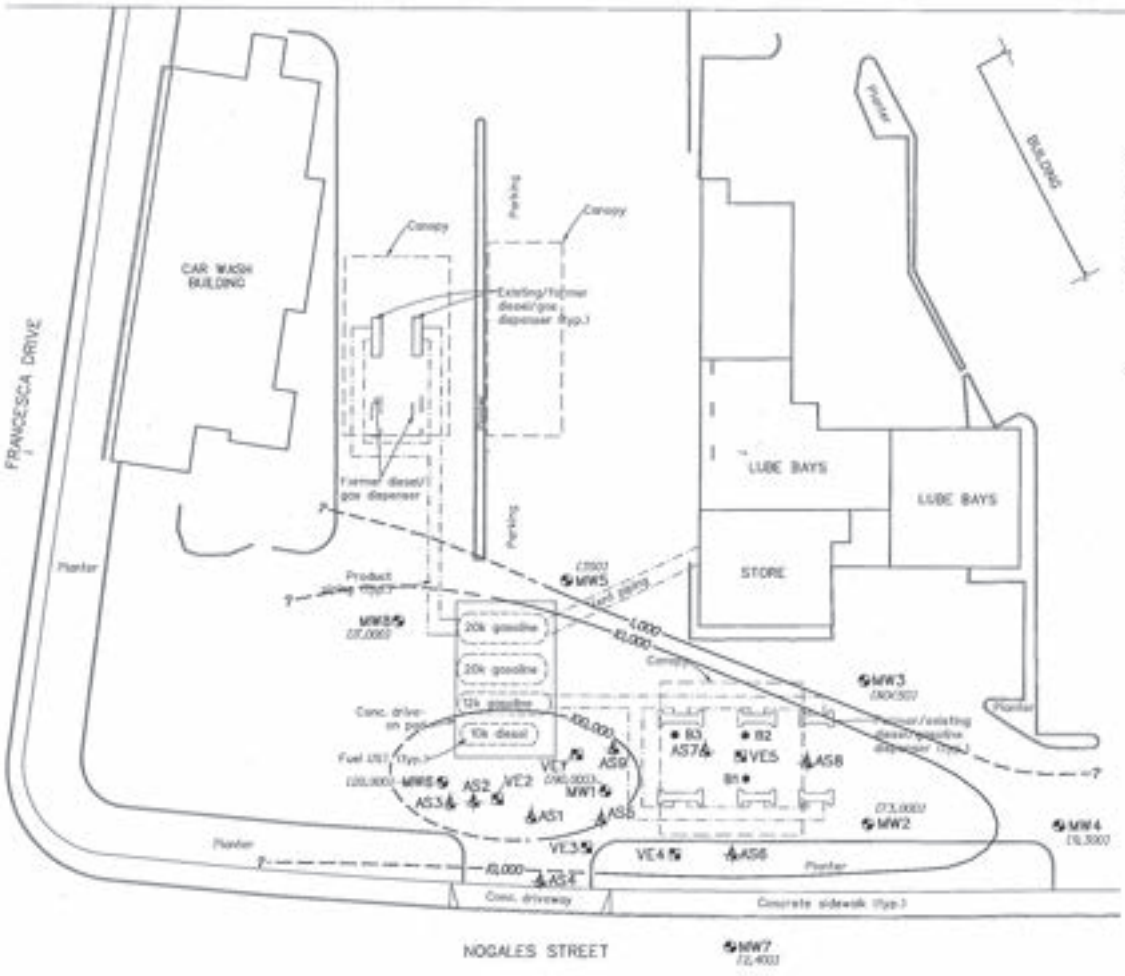
ALAMO CAR WASH
764 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH
SHOWING GROUNDWATER ELEVATIONS AND ESTIMATED GROUNDWATER FLOW DIRECTION ON APRIL 24, 2008

Date: JULY 2008 Figure 3



EXPLANATION

- B1 — SOIL BORING LOCATION
- VE1 — VAPOR EXTRACTION WELL LOCATION
- AS1 — AIR SPARGE WELL LOCATION
- MW1 — GROUNDWATER MONITORING WELL LOCATION
  (160,000) With TPH-G concentration in groundwater in µg/L, on April 24, 2008; ND=not detected above laboratory detection limit
- 100,000 — CONTOUR OF EQUAL TPH-G CONCENTRATION IN GROUNDWATER (in µg/L on April 24, 2008)

NOTES:

1) All locations and dimensions are approximate.
2) Base map from plan provided by Dangerfield survey from R&M Surveying Inc. dated 9-04-08, and Assessor's Parcel Map County of Los Angeles Book 8720, sheet 26).
3) Soil samples were taken by FREY Environmental, Inc. personnel.
4) Groundwater monitoring wells MW1 through MW3 were installed by FREY on July 14 and 15, 2005 and surveyed by R&M Surveying Inc. on 11-04-2005.
5) Groundwater monitoring wells MW4 through MW7 were installed by FREY on December 18 and 19, 2006 and surveyed by R&M Surveying, Inc. on 02-20-2007.
6) Wells AS1, AS2, VE1, and MW8 were surveyed by R&M Surveying Inc. on 06/07/2007.

NORTH

0 30 60

SCALE IN FEET

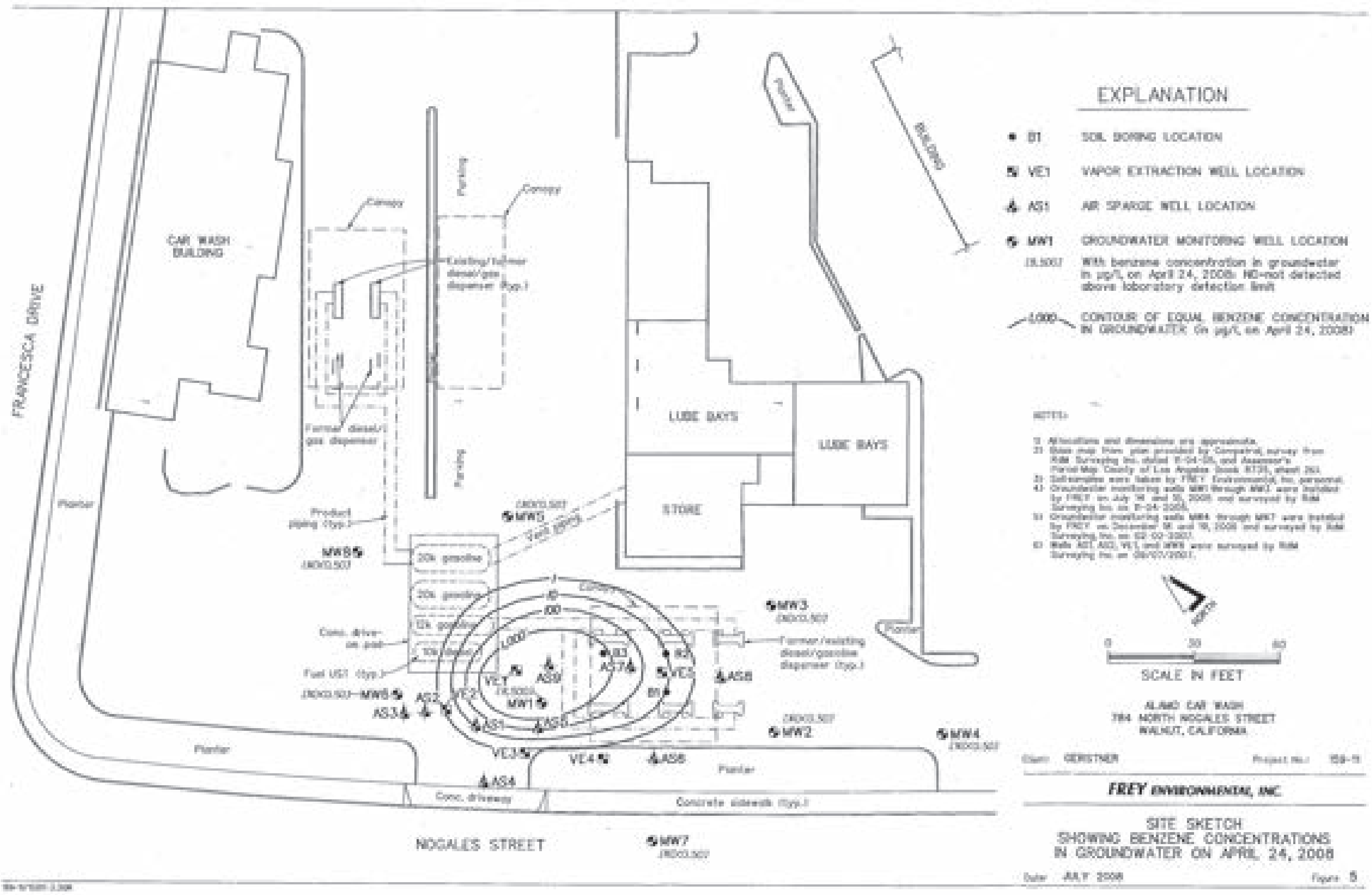
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

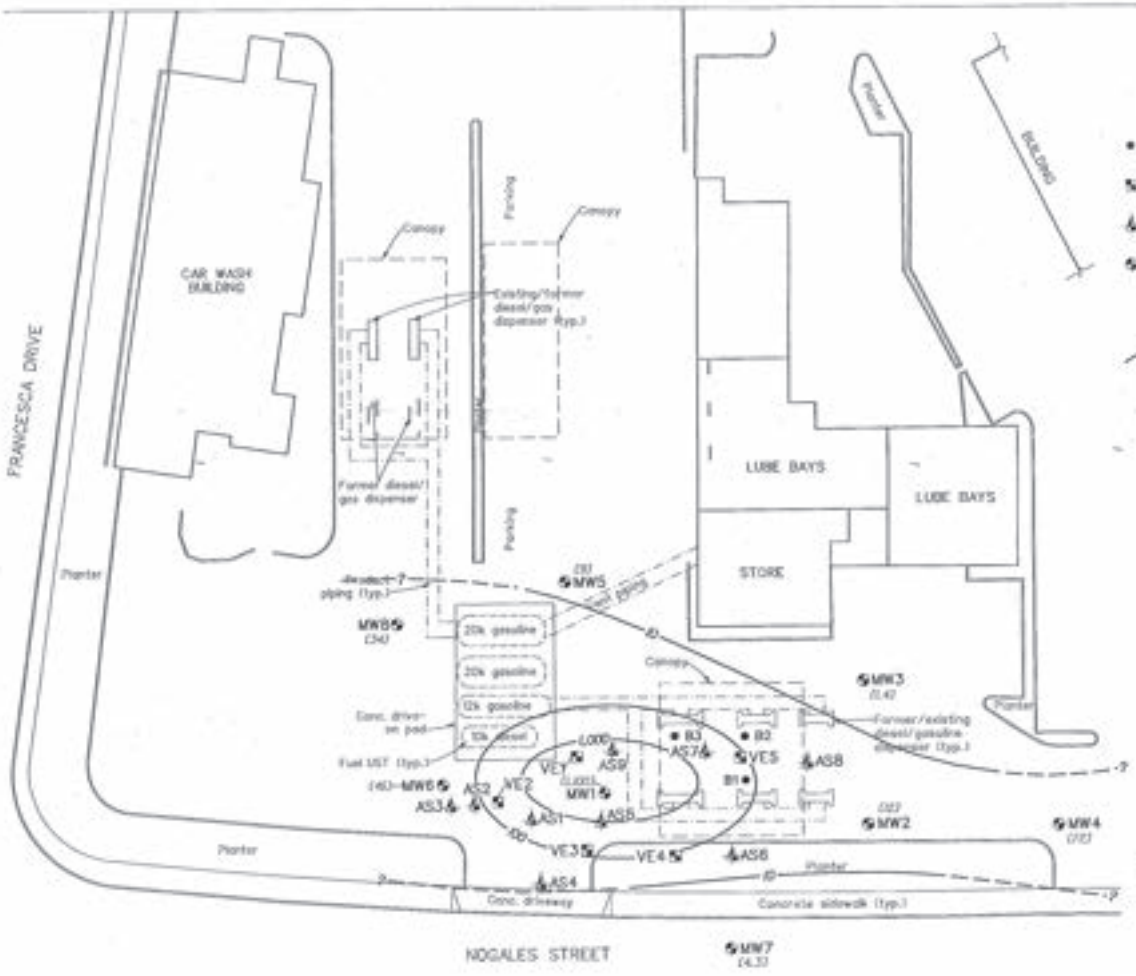
Client: GERSTNER Project No.: 559-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH
SHOWING TPH-G CONCENTRATIONS
IN GROUNDWATER ON APRIL 24, 2008

Date: JULY 2008 Figure 4


FRANCESCA DRIVE
CAR WASH BUILDING
Canopy
Parking
Existing/former diesel/gas dispenser (typ.)
Former diesel/gas dispenser
Product piping (typ.)
Vent piping
20k gasoline
12k gasoline
10k diesel
Conc. drive-on pad
Fuel UST (typ.)
Former/existing diesel/gasoline dispenser (typ.)
LUBE BAYS
LUBE BAYS
STORE
BUILDING
Planter
MW1
MW2
MW3
MW4
MW5
MW6
MW7
MW8
VE1
VE2
VE3
VE4
VE5
AS1
AS2
AS3
AS4
AS6
AS7
AS8
AS9
B1
B2
B3
1,000
100
10
1
Conc. driveway
Concrete sidewalk (typ.)
NOGALES STREET
EXPLANATION
B1 SOIL BORING LOCATION
VE1 VAPOR EXTRACTION WELL LOCATION
AS1 AIR SPARGE WELL LOCATION
MW1 GROUNDWATER MONITORING WELL LOCATION
With benzene concentration in groundwater in µg/l, on April 24, 2008; ND=not detected above laboratory detection limit
1,000 CONTOUR OF EQUAL BENZENE CONCENTRATION IN GROUNDWATER (in µg/l, on April 24, 2008)
NOTES:
NORTH
0
30
60
SCALE IN FEET
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA
Client: GERSTNER
Project No.: 159-11
FREY ENVIRONMENTAL, INC.
SITE SKETCH
SHOWING BENZENE CONCENTRATIONS
IN GROUNDWATER ON APRIL 24, 2008
Date: JULY 2008
Figure 5



EXPLANATION

- B1 — SOIL BORING LOCATION
- VE1 — VAPOR EXTRACTION WELL LOCATION
- AS1 — AIR SPARGE WELL LOCATION
- MW1 — GROUNDWATER MONITORING WELL LOCATION
- (1,000) — With MTBE concentration in groundwater in µg/L on April 24, 2008; ND=not detected above laboratory detection limit
- 1,000 — CONTOUR OF EQUAL MTBE CONCENTRATION IN GROUNDWATER (in µg/L on April 24, 2008)

NOTES:

1) Allocations and dimensions are approximate.
2) Base map from plan provided by Geopetrol survey from RAM Surveying Inc. dated 11-04-05, and Assessor's Parcel Map County of Los Angeles book 8735, sheet 26.
3) Soil samples were taken by FREY Environmental, Inc personnel.
4) Groundwater monitoring wells MW1 through MW3 were installed by FREY on July 14, and 15, 2005 and surveyed by RAM Surveying Inc. on 9-04-2005.
5) Groundwater monitoring wells MW4 through MW7 were installed by FREY on December 18, and 19, 2006 and surveyed by RAM Surveying, Inc. on 02-01-2007.
6) Wells VE1, AS2, VE3, and MW5 were surveyed by RAM Surveying Inc. on 06/07/2007.

NORTH

0 30 60

SCALE IN FEET

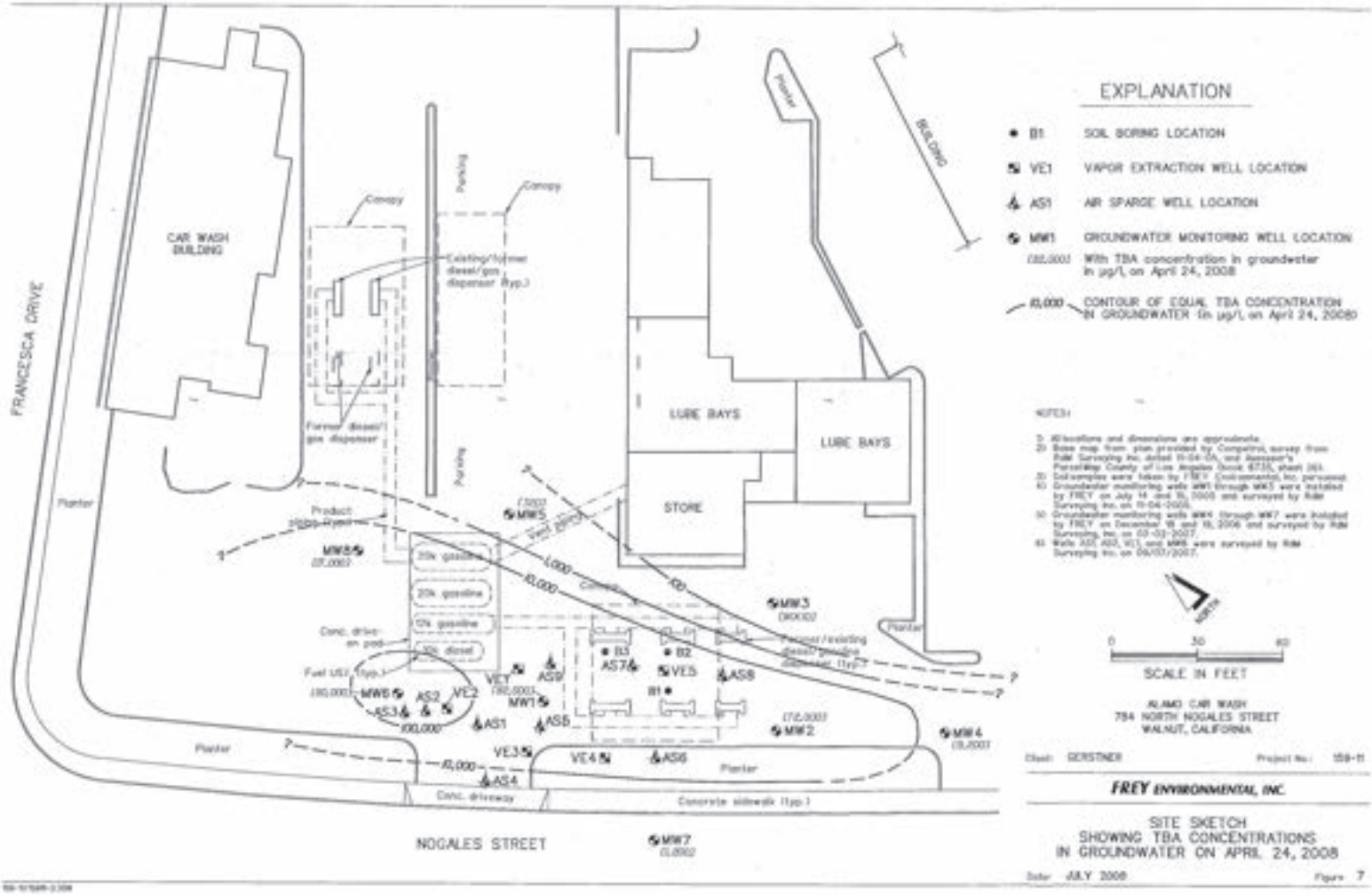
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Client: GERSTNER Project No.: 158-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH
SHOWING MTBE CONCENTRATIONS
IN GROUNDWATER ON APRIL 24, 2008

Date: JULY 2008 Figure 8



EXPLANATION

- B1 — SOIL BORING LOCATION
- VE1 — VAPOR EXTRACTION WELL LOCATION
- AS1 — AIR SPARGE WELL LOCATION
- MW1 — GROUNDWATER MONITORING WELL LOCATION
  (80,000) With TBA concentration in groundwater in µg/L on April 24, 2008
- 10,000 — CONTOUR OF EQUAL TBA CONCENTRATION IN GROUNDWATER (in µg/L) on April 24, 2008

NOTES:

1) All locations and dimensions are approximate.
2) Base map from plan provided by Compatriot, survey from RAM Surveying Inc. dated 11-04-05, and Assessor's Parcel Map, County of Los Angeles (book 8735, sheet 26).
3) Soil samples were taken by FREY Environmental, Inc. personnel.
4) Groundwater monitoring wells MW1 through MW5 were installed by FREY on July 14 and 15, 2005 and surveyed by RAM Surveying Inc. on 11-04-2005.
5) Groundwater monitoring wells MW6 through MW7 were installed by FREY on December 18 and 19, 2006 and surveyed by RAM Surveying, Inc. on 02-02-2007.
6) Wells AS7, AS8, VE5, and MW8 were surveyed by RAM Surveying Inc. on 06/07/2007.

NORTH

0 30 60

SCALE IN FEET

ALAMO CAR WASH
754 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH
SHOWING TBA CONCENTRATIONS
IN GROUNDWATER ON APRIL 24, 2008

Date: JULY 2008 Figure 7

APPENDIX A

FIELD PROCEDURES AND GROUNDWATER SAMPLING DATA FORMS

WELL PURGING AND GROUNDWATER SAMPLING PROCEDURES

1. Prior to purging groundwater monitoring wells, the well head condition is inspected for evidence of tampering or damage.

2. Prior to purging the wells, the water level in the well is recorded using a conductance probe. In addition, a clear bailer sample is taken and visually inspected for turbidity and the presence of free product.

3. Groundwater monitoring wells are generally purged of at least twice the water content of the casing and filter pack, or five well casing volumes, whichever is the greater volume. The following techniques can be employed for well purging:

   A) A bailer:
   A bailer with diameter slightly less than the casing internal diameter, is lowered into the well. After the bailer has been completely immersed in the ground water, it is retracted. The process is repeated until purging of the well is accomplished.

   B) A stainless steel submersible pump:
   A stainless steel submersible pump is lowered into the well. Pumping episodes are repeated until complete purging of the well is accomplished. The pump is then removed from the well.

   C) A dedicated "in-well" pump or product skimmer:
   At some locations, a dedicated in well pump may have been installed in the monitoring well. In such instances, the pump is turned on upon arrival at the site. Pumping episodes are repeated until purging of the well is accomplished. The dedicated pump remains in the well after the well purging is complete.

4. The wells are generally allowed to recover to 80% of their original volume, or for a maximum period of 3 hours.

5. Any free product is purged from the monitoring wells prior to undertaking sampling procedures.

6. The ground water samples are collected using a stainless steel bailer or disposable Teflon bailer held by dedicated nylon line.

7. The water level and depth to the bottom of the well are measured using a conductance probe and a fiber measuring tape.

8. All items entering the well; tapes, conductance probe, bailers are cleaned prior to use and between sampling periods.

9. Three samples are collected from each monitoring well and placed into EPA approved, zero head space, 40 mL vials.

10. Each sample is labeled.

11. The samples are placed in a bag, and into an ice chest, and cooled following collection.

12. The samples are delivered to the laboratory following collection. Sample handling, transport, and delivery to the laboratory are documented using chain of custody procedures and appropriate Chain-of-Custody forms.

13. Any additional samples may be used for field analysis; pH, D.O., temperature, conductivity, and TDS

14. Groundwater purged from the monitoring wells during groundwater sampling is stored at the site in DOT approved 55 gallon drums, and labeled.

15. Uniform Non-Hazardous Waste Manifests are prepared for the transportation and disposal of the removed purged groundwater.

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Alamo Car Wash | TASK NUMBER 16 | DATE 4/24/08

JOB NO. 159-11 | QUARTER 2 | SAMPLING PERSONNEL Jose / Miguel

WELL NUMBER	Well Diameter (ID)	Reference Point
MW-3	4"	Toc
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**
15.20	39.80	24.6

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	COMMENTS
7:54							Start pump
7:55	01	7	6.37	65.4	1803	1010	Cloudy H2O
7:56	02	14	6.47	66.5	1941	1112	cc "
8:00	06	42	6.78	66.6	1968	1102	Low Flow/Stop Pump
11:28			6.78	69.3	2021	1119	Sample
TOTAL GALLONS PURGED		42					

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
15.70	4" pump	7

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA #3
Turbidity Meter	
Pump (Dia./Type)	4" Grundfos electric pump
Water Level Meter	Solinst
Bailer (Dia.x length)	1.5X36" Stainless Steel

SAMPLE NUMBER	# BOTTLES
MW-3	4

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (24.6 Ft) x (0.65) = 15.99 Gallons

3 Well Volumes = 47.97 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

3 Well Volumes = _____ Gallons

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Alamo Car Wash | TASK NUMBER 16 | DATE 4/24/08

JOB NO. 159-11 | QUARTER 2 | SAMPLING PERSONNEL Jose / Miguel

WELL NUMBER	Well Diameter (ID)	Reference Point
MW-7	4"	Toc
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**
13.10	39.40	26.3

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	COMMENTS
8:19							Start pump
8:20	01	7	6.72	72.2	1715	957	Cloudy H2O
8:22	03	21	6.96	71.5	1286	719	CC "
8:26	07	49	6.91	71.6	1709	955	Low flow/stop pump
11:37			6.81	70.6	1706	964	Sample
TOTAL GALLONS PURGED		49					

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
13-25	4" pump	7

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA #3
Turbidity Meter	
Pump (Dia./Type)	4" Grundfos electric pump
Water Level Meter	Solinst
Bailer (Dia.x length)	1.5X36" Stainless Steel

SAMPLE NUMBER	# BOTTLES
MW-7	4

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (26.3 Ft) x (0.65) = 17.09 Gallons

3 Well Volumes = 51.28 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

3 Well Volumes = _____ Gallons

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Alamo Car Wash | TASK NUMBER 16 | DATE 4/24/08

JOB NO. 159-11 | QUARTER 2 | SAMPLING PERSONNEL Jose / Miguel

WELL NUMBER	Well Diameter (ID)	Reference Point
MW-4	4"	Toc
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**
14.40	39.30	24.9

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	COMMENTS
8:42							Start pump
8:43	01	7	6.70	72.3	1831	1021	Cloudy H2O
8:46	04	28	6.85	72.9	1829	1023	Low Flow / cloudy H2O
8:51							wait 5 min.
8:54	07	49	6.70	72.9	1868	1047	Stop Pumping
11:44			7.00	74.8	1875	1050	Sample
TOTAL GALLONS PURGED		49					

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
14.65	4" pump	7

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA #3
Turbidity Meter	
Pump (Dia./Type)	4" Grundfos electric pump
Water Level Meter	Solinst
Bailer (Dia.x length)	1.5X36" Stainless Steel

SAMPLE NUMBER	# BOTTLES
MW-4	4

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (24.9 Ft) x (0.65) = 16.18 Gallons

3 Well Volumes = 48.55 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

3 Well Volumes = _____ Gallons

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Alamo Car Wash | TASK NUMBER 16 | DATE 4/24/08

JOS NO. 159-11 | QUARTER 2 | SAMPLING PERSONNEL Jose/Miguel

WELL NUMBER	Well Diameter (ID)	Reference Point
MW-5	4"	Toc
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**
12.90	39.10	26.2

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	COMMENTS
9:19							Start pump
9:20	01	7	7.06	75.3	1983	1172	Cloudy H2O
9:23	04	28	7.31	73.3	1964	1104	Cloudy H2O
9:25	06	42	7.04	74.1	2061	1104	Stop pumping
11:55			7.23	74.3	1993	1114	Sample
TOTAL GALLONS PURGED		42					

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
13.10	4" pump	7

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA #3
Turbidity Meter	
Pump (Dia./Type)	4" Grundfos electric pump
Water Level Meter	Solinst
Bailer (Dia.x length)	1.5X36" Stainles Steel

SAMPLE NUMBER	# BOTTLES
MW-5	4

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (26.2 Ft) x (0.65) = 17.03 Gallons

3 Well Volumes = 51.09 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

3 Well Volumes = _____ Gallons

FREY ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Alamo Car Wash | TASK NUMBER 16 | DATE 4/24/08

JOB NO. 159-11 | QUARTER 2 | SAMPLING PERSONNEL Jose / Miguel

WELL NUMBER	Well Diameter (ID)	Reference Point
MW-8	4"	Toc
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**
17.65	39.90	22.25

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	COMMENTS
9:46							Start pump
9:47	01	7	6.80	73.3	1728	977	@ loudy H2O
9:48	02	14	6.77	74.0	1734	968	" "
9:57	05	35	6.83	73.4	1795	1004	Stop pump
12:10			6.90	73.4	1766	988	Sample
TOTAL GALLONS PURGED		35					

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
15.00	4" pump	7

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA #3
Turbidity Meter	
Pump (Dia./Type)	4" Grundfos electric pump
Water Level Meter	Solinst
Bailer (Dia.x length)	1.5X36" Stainless Steel

SAMPLE NUMBER	# BOTTLES
MW-8	4

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (22.25 Ft) x (0.65) = 14.46 Gallons

3 Well Volumes = 43.38 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

3 Well Volumes = _____ Gallons

FREY ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Alamo CAR Wash | TASK NUMBER 16 | DATE 4/24/08

JOB NO. 159-11 | QUARTER 2 | SAMPLING PERSONNEL Jose/Miguel

WELL NUMBER	Well Diameter (ID)	Reference Point
MW-2	4"	Toc
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**
14.35	35.55	21.2

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg F)	Cond. (µS/cm)	TDS (ppm)	COMMENTS
10:15							Start Pump
10:16	01	7	6.74	71.8	1495	836	Cloudy H2O
10:18	03	21	6.85	72.3	1487	833	EC "
10:20	05	35	6.59	72.7	1507	844	Stop Pump
12:16			6.59	72.5	1504	839	Sample
TOTAL GALLONS PURGED		35					

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
14.60	4" pump	7

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA #3
Turbidity Meter	
Pump (Dia/Type)	4" Grundfos electric pump
Water Level Meter	Solinst
Bailer (Dia.x length)	1.5X36" Stainless Steel

SAMPLE NUMBER	# BOTTLES
MW-2	4

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (21.2 Ft) x (0.65) = 13.78 Gallons

3 Well Volumes = 41.34 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

3 Well Volumes = _____ Gallons

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Alamo Car Wash | TASK NUMBER 16 | DATE 4/24/08

JOB NO. 159-11 | QUARTER 2 | SAMPLING PERSONNEL Jose / Miguel

WELL NUMBER	Well Diameter (ID)	Reference Point
MW-1	4"	Toc
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**
14.30	38.95	24.65

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	COMMENTS
10:30							Start pump
10:31	01	7	6.54	74.2	1740	974	Black H2O
10:32	02	14	6.54	73.8	1766	985	" "
10:36	06	42	6.78	73.4	1911	1071	Stop pumping
12:21			6.65	72.8	1763	985	Sample
TOTAL GALLONS PURGED		42					

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
14.75	4" pump	7

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA #3
Turbidity Meter	
Pump (Dia./Type)	4" Grundfos electric pump
Water Level Meter	Solinst
Bailer (Dia.x length)	1.5X36" Stainless Steel

SAMPLE NUMBER	# BOTTLES
MW-1	4

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (24.65 Ft) x (0.65) = 16.02 Gallons

3 Well Volumes = 48.06 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

3 Well Volumes = _____ Gallons

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Alamo Car Wash | TASK NUMBER 16 | DATE 4/24/08

JOB NO. 159-11 | QUARTER 2 | SAMPLING PERSONNEL Jose / Miguel

WELL NUMBER	Well Diameter (ID)	Reference Point
MW-6	4"	Toc
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**
14.50	37.60	23.1

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	COMMENTS
11:00							Start pump
11:01	01	7	6.79	76.3	1990	1096	Cloudy H2O
11:04	04	28	6.69	75.1	1887	1058	cc "
11:06	06	42	6.74	75.4	1887	1065	Stop pumping
12:28			7.03	74.3	1892	1061	Sample
TOTAL GALLONS PURGED		42					

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
14.80	4" pump	7

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA #3
Turbidity Meter	
Pump (Dia./Type)	4" Grundfos electric pump
Water Level Meter	Solinst
Bailer (Dia.x length)	1.5X36" Stainless Steel

SAMPLE NUMBER	# BOTTLES
MW-6	4

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (23.1 Ft) x (0.65) = 15.01 Gallons

3 Well Volumes = 45.04 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

3 Well Volumes = _____ Gallons

APPENDIX B

LABORATORY REPORTS

Baseline On-Site Analysis
P. O. Box 2243
Huntington Beach, CA 92647

Toll Free: 888.753.7553
FAX: 714.840.1584

Laboratory Report

Client: FREY Environmental, Inc.
Client Address: 2817-A Lafayette Avenue
Newport Beach, California 92663

Report Date: 5/5/08
Lab Project Number: 08335
Client Project Number: 159-11

Project Name: Alamo Car Wash
Project Address: 784 N. Nogales Street
Walnut, California
Contact: Sawyer Jones

Dates Sampled: 4/24/08
Dates Received: 4/28/08
Dates Analyzed: 4/29/08
Sample Matrix: Water

Analyses Requested:

1. **EPA 8015M – Total Petroleum Hydrocarbons as Diesel (TPH-D)**
2. **EPA 8015M – Total Petroleum Hydrocarbons as Gasoline (TPH-G)**
3. **EPA 8260B – Volatile Aromatics (BTEX)**
4. **EPA 8260B – Fuel Oxygenates**

Baseline received samples from the project shown above. A Chain-of-Custody Record (COC) is attached.

Baseline analyzed the samples for the parameters shown above per the COC. In this report, *Baseline* presents the results and QA/QC summary for these analyses.

Brian K. Kato

Approved
Brian K. Kato, Laboratory Manager

BASELINE ON-SITE ANALYSIS™
Baseline On-Site Analysis
P. O. Box 2243
Huntington Beach, CA 92647
Toll Free: 888.753.7553
FAX: 714.840.1584

Laboratory Report

Client: FREY Environmental, Inc.
Client Address: 2817-A Lafayette Avenue
Newport Beach, California 92663

Report Date: 5/5/08
Lab Project Number: 08335
Client Project Number: 159-11

Project Name: Alamo Car Wash
Project Address: 784 N. Nogales Street
Walnut, California
Contact: Sawyer Jones

Dates Sampled: 4/24/08
Dates Received: 4/28/08
Dates Analyzed: 4/29/08
Sample Matrix: Water

TPH as Diesel (TPH-D), TPH as Gasoline (TPH-G), and Volatile Aromatics (BTEX) Results

Constituent:	TPH-Diesel	TPH-Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes
Method:	M8015	M8015	8260B	8260B	8260B	8260B
Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Sample ID						
MW1	1600	190000	8500	26000	2400	14000
MW2	ND<100	73000	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW3	ND<100	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW4	ND<100	9300	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW5	ND<100	350	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW6	ND<100	120000	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW7	ND<100	2400	ND<0.50	28	110	330
MW8	ND<100	17000	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Method Blank	ND<100	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

ND: Not detected at the indicated reporting limit.

Baseline On-Site Analysis
P. O. Box 2243
Huntington Beach, CA 92647

Toll Free: 888.753.7553
FAX: 714.840.1584

Laboratory Report

Client: FREY Environmental, Inc.
Client Address: 2817-A Lafayette Avenue
Newport Beach, California 92663

Project Name: Alamo Car Wash
Project Address: 784 N. Nogales Street
Walnut, California
Contact: Sawyer Jones

Report Date: 5/5/08
Lab Project Number: 08335
Client Project Number: 159-11

Dates Sampled: 4/24/08
Dates Received: 4/28/08
Dates Analyzed: 4/29/08
Sample Matrix: Water

Fuel Oxygenates Results

Constituent:	MTBE	TBA	DIPE	ETBE	TAME	Ethanol
Method:	8260B	8260B	8260B	8260B	8260B	8260B
Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Sample ID						
MW1	1100	82000	ND<2.0	ND<2.0	ND<2.0	ND<50
MW2	12	72000	ND<2.0	ND<2.0	ND<2.0	ND<50
MW3	1.4	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
MW4	72	9200	ND<2.0	ND<2.0	ND<2.0	ND<50
MW5	9.0	320	ND<2.0	ND<2.0	ND<2.0	ND<50
MW6	46	110000	ND<2.0	ND<2.0	ND<2.0	ND<50
MW7	4.3	1200	ND<2.0	ND<2.0	ND<2.0	ND<50
MW8	34	17000	ND<2.0	ND<2.0	ND<2.0	ND<50
Method Blank	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50

Fuel Oxygenates:

MTBE: Methyl-tert Butyl Ether
TBA: t-Butanol
DIPE: Di-Isopropyl Ether
ETBE: Ethyl-t-Butyl Ether
TAME: t-Amyl Methyl Ether

ND: Not detected at the indicated reporting limit.

BASELINE ON-SITE ANALYSIS™
Baseline On-Site Analysis
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Laboratory Report

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Newport Beach, California 92663

Report Date: 5/5/08
Lab Project Number: 08335
Client Project Number: 159-11

Project Name: Alamo Car Wash
Project Address: 784 N. Nogales Street
Walnut, California
Contact: Sawyer Jones

Dates Sampled: 4/24/08
Dates Received: 4/28/08
Dates Analyzed: 4/29/08
Sample Matrix: Water

Quality Control Summary

Analytes	MS Recovery (%)	MSD Recovery (%)	RPD (%)	QC Sample
TPH-Diesel (EPA 8015)	91	99	8	LCS/LCSD
TPH-Gasoline (EPA 8015)	94	86	9	MW3
EPA 8260B				
Toluene	98	93	5	LCS/LCSD
Total Xylenes	97	93	4	LCS/LCSD
MTBE	92	90	2	LCS/LCSD
Acceptable QC Limits:	(65-135)	(65-135)	(0-30)	

MS: Matrix Spike; MSD: Matrix Spike Duplicate; RPD: Relative Percent Difference
LCS/LCSD: Lab Control Sample/Duplicate

FREY Environmental, Inc.	Project Name: Alamo Car Wash	**CHAIN-OF-CUSTODY RECORD**
2817-A Lafayette Avenue Newport Beach, California 92663	Project Address: 784 N. Nogales St. Walnut CA	Page 1 of 1
Phone: 949.723.1645; FAX: 949.723.1854	Project Number: 159-11	Laboratory Project #: 08338
Contact: Sawyer Jones		

Requested Analyses

Sample ID	Sampling Date	Sampling Time	Lab ID	Soil (S), Water (W), Vapor (V)	Number of Containers	8015M ([illegible])	8260B BTEX [illegible]				Comments
MW1	4/24/08	12:21		W	4	X	X				GID#
MW2		12:16									T0603774352
MW3		11:28									email Report &
MW4		11:44									edf to
MW5		11:55									
MW6		12:28									sjones@freyinc.com
MW7		11:37									&
MW8		12:10									deannahopp[illegible]@gmail.

1. Relinquished by Signature: X [signature] Date/Time: 4/28/08	**2. Received by** Signature: X [signature] Date/Time: 4/28/08; 0900	**Turnaround Time:** Special Instructions/Notes:
3. Relinquished by Signature: X Date/Time:	**4. Received by** Signature: X Date/Time:	Sample Condition: Sealed? Y / N Chilled? Y / N

APPENDIX C

DISPOSAL DOCUMENTATION

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: Non Haz
2. Page 1 of: 1
3. Emergency Response Phone: (714) 413-4105
4. Waste Tracking Number: 159-11 01 55

5. Generator's Name and Mailing Address: Sylvia Gerstner, P.O. Box 595, San Gabriel, CA 91778
Generator's Phone: (949) 723-1245

Generator's Site Address (if different than mailing address): Alamo Car Wash, 784 N. Nogales St, Walnut, CA 91789 — 10711

6. Transporter 1 Company Name: ABE Environmental — U.S. EPA ID Number:

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Crosby & Overton, 1610 W. 17th St, Long Beach, CA 90813 — U.S. EPA ID Number:
Facility's Phone:

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. non haz liquid waste	1	TT	385	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information:
profile # 12485
wear protective clothing

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Josh Mueller — Signature: [signature] — Month/Day/Year: 3 24 08

15. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: ______
Transporter Signature (for exports only): ______ Date leaving U.S.: ______

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Eddie Paxton — Signature: Eddie Paxton — Month/Day/Year: 3 24 08
Transporter 2 Printed/Typed Name: ______ — Signature: ______ — Month/Day/Year:

17. Discrepancy
17a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: ______ Signature: ______ Month Day Year

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

FREY ENVIRONMENTAL, INC.

Environmental Geologists, Engineers, Assessors

2817 A Lafayette Avenue
Newport Beach, CA 92663
(949) 723-1645
Fax (949) 723-1854
Email: freyinc@freyinc.com

September 2, 2015
159-11

Mr. Noman Chowdhury
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013

VAPOR EXTRACTION REBOUND TEST REPORT
ALAMO CARWASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA
(RWQCB ID #R-15014, GLOBAL ID #T0603774352)

Mr. Chowdhury:

This report documents and presents the results of a vapor extraction rebound test, conducted by FREY Environmental, Inc. (FREY), on behalf of Mr. Dan Gerstner, at the Alamo Carwash facility located at 784 North Nogales Street in Walnut, California (Site) (Figures 1 and 2). A vapor extraction treatment system (VES) was previously operated at the Site for the remediation of petroleum hydrocarbon impacted soil from May 4, 2010, to May 20, 2011, when the VES was shut down. On April 23, 2014, the VES was replaced with a high vacuum dual phase extraction (HVDPE) system, with vapor and water granular activated carbon (GAC) to treat extracted air and water prior to discharge. The HVDPE system was shut down, to initiate vapor extraction rebound testing, on March 12, 2015. The vapor extraction rebound test was conducted in accordance with FREY's workplan entitled, "*Workplan Vapor Extraction Remediation Rebound Testing and Post Remediation Soil Borings*", dated May 11, 2015, and approved by the Regional Water Quality Control Board (RWQCB) in a letter dated July 1, 2015 (Appendix B).

OBJECTIVE

The objective of this soil vapor extraction rebound test is to assess the remaining petroleum hydrocarbon concentrations of soil vapor beneath the Site and to evaluate the Site's progression to soil vapor cleanup objectives.

SCOPE OF WORK

The scope of work used to achieve the objective included the following:

- Conduct a rebound test event following the suspension of active HVDPE remediation. The rebound test was conducted approximately eighteen weeks after the suspension of active HVDPE;

- Initiate, operate, and maintain the Bisco Systems, Model No. 12329 TMS HVDPE system, consisting of a 150 standard cubic feet per minute (scfm) Dekker liquid ring blower powered by a 25 h.p. 3 phase electrical motor. Extracted vapor is treated with two 2,000 pound vapor phase GAC vessels, operating under the South Coast Air Quality Management District (SCAQMD) Site Specific Permit #G14765. Groundwater generated from the HVDPE equipment is treated on-Site with two 1,000 pound liquid phase GAC vessels, operated under Los Angeles County Sanitation District (LACSD) Industrial Wastewater Discharge Permit No. 21268, prior to discharge and re-use of groundwater by the on-Site carwash system, or discharge to the sanitary sewer;

- Measurement of extraction flow rate, applied vacuum, and the concentration of undifferentiated volatile organic compounds (UVOC) in the vapor influent stream to the HVDPE;

- Measurement of applied vacuum, flow rate, and UVOC concentrations at vapor extraction wellheads;

- Laboratory analyses of vapor samples collected from the influent vapor stream to the HVDPE;

- Laboratory analyses of water samples collected from the influent and effluent water stream to the HVDPE system; and,

- Data evaluation and report preparation.

VAPOR EXTRACTION REBOUND TESTING

The HVDPE was restarted on July 13, 2015 and operated for approximately 340 hours during the rebound test from July 13 through 27, 2015. The system operated with all of the extraction wells open, and was monitored by FREY personnel in general accordance with the scope of work mentioned above.

FREY collected influent soil vapor samples during the vapor extraction rebound test on July 13, 20, and 27, 2015. The rebound test was concluded on July 27, 2015.

FREY collected effluent water samples on July 13, 2015, before the initiation of the vapor extraction rebound test, and influent water samples on July 28, 2015, from the influent above ground storage tank (AST) after the conclusion of the vapor extraction rebound test, in accordance with the requirements of the LACSD Industrial Wastewater Discharge Permit No. 21268.

Collected influent vapor samples were analyzed for total petroleum hydrocarbons modified for gasoline (TPHg) in general accordance with EPA method no. TO-3M and for volatile organic compounds (VOCs) including fuel oxygenates in general accordance with EPA method no. TO-15M.

A summary of VES remediation and HVDPE operation data, including UVOC concentrations, flow rates, and mass removal rates as measured using laboratory data is presented in Tables 1 and 2, respectively. A summary of vapor extraction wellhead data is presented in Table 3. Observation well data is presented in Table 4. A summary of influent vapor sampling results is presented in Table 5. A summary of extraction well vapor sampling results is presented in Table 6. Air sparge system data is presented in Table 7. Air sparge wellhead data is presented in Table 8. Summary of chemical analyses of water stream to HVDPE system is presented in Table 9. Summary of well construction details is documented in Table 10.

SCAQMD and LACSD permits are presented in Appendix A. VES and HVDPE system performance graphs are presented in Appendix B. Laboratory analytical reports are included in Appendix C. An example calculation of the petroleum hydrocarbon removal rate is presented in Appendix D.

RESULTS

- The HVDPE operated for approximately 340 hours during the vapor extraction rebound test.

- Soil vapors were extracted by the HVDPE system at flows ranging from approximately 126 to 136 scfm with applied vacuums ranging from approximately 11 to 12 inches of mercury (in. Hg) (Table 2).

- Total influent UVOCs concentrations to the HVDPE before dilution, as measured with field instrumentation, were 729 parts per million by volume (ppmv), 563 ppmv, 455 ppmv, on July 13, 20, and 27, 2015, respectively. UVOCs concentrations decreased with time throughout the course of the HVDPE rebound test (Table 2).

- TPHg concentrations as detected in influent soil vapor, as reported by the laboratory, were 1,500 ppmv, 720 ppmv, and 710 ppmv, on July 13, 20, and 27, 2015, respectively. TPHg concentrations in influent soil vapor samples decreased with time during the HVDPE rebound testing (Tables 2 and 5).

- Benzene was detected on July 20, 2015 at a concentrations of 0.0074 ppmv. Benzene concentrations were not detected on July 13 and 27, 2015 (Table 5).

- Ethylbenzene was detected in all three influent soil vapor samples collected and analyzed for the vapor extraction rebound test. Detected concentrations of ethylbenzene were reported as 0.300 ppmv, 0.074 ppmv, and 0.069 ppmv, on July 13, 20, and 27, 2015, respectively (Table 5).

- Total xylenes were detected in all three influent soil vapor samples collected and analyzed for the vapor extraction rebound test. Detected concentrations of total xylenes were reported as 0.378 ppmv, 0.191 ppmv, 0.067 ppmv, on July 13, 20, and 27, 2015, respectively (Table 5).

- MTBE was detected on July 20, 2015 at a concentration of 0.023 ppmv. MTBE concentrations were not detected on July 13 and 27, 2015 (Table 5).

- TBA was detected in all three influent soil vapor samples collected and analyzed for the vapor extraction rebound test. Detected concentrations of TBA were reported as 0.590 ppmv, 1.100 ppmv, and 0.091 ppmv, on July 13, 20, and 27, 2015, respectively (Table 5).

- It is estimated that petroleum hydrocarbons were removed at rates ranging from approximately 33.24 pounds per day (lb/day) to approximately 74.80 lb/day during the rebound testing activities with an average of 47.63 lb/day (Table 2).

- Approximately 625.36 pounds (103.37 gallons) of petroleum hydrocarbons were estimated to have been removed from beneath the Site by the HVDPE system during rebound testing activities. It is estimated that a total of approximately 1,356 pounds (224 gallons) of petroleum hydrocarbons were removed from beneath the Site by the HVDPE system since the initiation of vapor extraction on May 7, 2014 (Table 2).

- A significant rebound of concentration of petroleum hydrocarbons in subsurface soils occurred after the suspension of active remediation for a period of 18 weeks.

If there are any comments or questions regarding this report, please do not hesitate to contact us at your convenience (949) 723 – 1645.

Sincerely,
FREY Environmental, Inc.

Joe Frey
Principal Certified
Engineering Geologist
CEG #1500

Sawyer Jones
Project Environmental
Scientist

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Staff Engineer

ATTACHMENTS

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cc:

Dan & Sylvia Gerstner
(via e-mail)

State Water Resources Control Board
UST Cleanup Fund
(via GeoTracker)

TABLES

TABLE 1
VES OPERATION AND MAINTENANCE SUMMARY
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Date	Hour Meter	Difference From Previous Reading	Cumulative Total Operating Hours	Field Measured Influent Concentration Before Dilution (OVA) [1] (ppmv)	(mg/L)	Laboratory Influent Concentration Before Dilution (ppmv)	(mg/L)	Process Flow Rate [1] (scfm)	Removal Rate Average [2] (lbs/hour)	Manifold Vacuum [3] (in. H2O)	Cumulative Hydrocarbons Removed (pounds)	(gallons)	Wells Used for Extraction	Comments
Vapor Extraction System Started On May 4, 2010, Frontier Systems Model No. 250, 250 scfm vapor extraction unit powered by a 10 h.p. motor driven Roots 59 URAI PD vacuum blower.														
05/04/2010	6,997	0	0	2,100	7.40	**1,630**	**5.60**	28	0.586	50	0	0	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	Start up system, collect vapor samples
05/05/2010	7,021	24	24	2,122	7.47			28	0.783	13	16	3	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	monitor system operation parameters
05/06/2010	7,043	22	46	1,800	6.34			28	0.664	13	32	5	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	monitor system operation parameters
05/07/2010	7,066	23	69	1,150	4.05			28	0.424	13	45	7	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	Grease blower
05/08/2010	7,093	27	96	1,100	3.87			28	0.406	13	56	9	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	monitor system operation parameters
05/09/2010	7,117	24	120	1,090	3.84			28	0.402	13	66	11	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	monitor system operation parameters
05/10/2010	7,138	21	141	1,080	3.80	**1,280**	**5.20**	28	0.398	24	74	12	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	System turned off to change out carbon, installed filter housing silencer, tightened belts, collected vapor samples
05/21/2010	7,175	37	178	1,240	4.37			28	0.457	28	90	15	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	System off due to scheduled power outage by SCE
05/26/2010	7,304	129	307	570	2.01			28	0.210	27	133	22	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	Greased blower
06/02/2010	7,468	164	471	467	1.64			28	0.000	36	150	25	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	Greased blower, check observation well data
06/07/2010	7,588	120	591	342	1.20			28	0.126	39	158	26	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	Greased blower
06/16/2010	7,806	218	809	173	0.61			28	0.064	41	179	30	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	monitor system operation parameters
06/22/2010	7,948	142	951	149	0.52	**152**	**0.62**	28	0.065	45	188	31	VE1, VE3, VE4, VE5, MW1, MW2	Closed low concentration wells, collect vapor samples
06/29/2010	8,111	163	1,114	252	0.89			28	0.093	49	201	33	VE1, VE3, VE4, VE5, MW1, MW2	Turn system off to change out carbon
07/07/2010	8,302	191	1,305	144	0.51			28	0.053	46	215	35	VE1, VE3, VE4, VE5, MW1, MW2	Check observation well wells
07/14/2010	8,476	174	1,479	123	0.43			28	0.045	45	223	37	VE3, VE4 (15%), VE5, MW1, MW2	Closed VE1
07/20/2010	8,617	141	1,620	158	0.56	**166**	**0.69**	28	0.072	48	231	38	VE3, VE4 (15%), VE5, MW1, MW2	Collect vapor samples
07/28/2010	8,812	195	1,815	144	0.51			28	0.053	49	244	40	VE3, VE4 (15%), VE5, MW1, MW2	Closed VE4, opened manual dilution to 25% open
08/05/2010	9,000	188	2,003	390	1.37			28	0.144	50	262	43	VE3, VE5, MW1, MW2	Opened manual dilution to 30% open
08/11/2010	9,149	149	2,152	267	0.94			28	0.098	48	280	46	VE3, VE5, MW1, MW2	Adjusted manual dilution to 15% open
08/19/2010	9,343	194	2,346	245	0.86	**193**	**0.79**	28	0.083	49	298	49	VE3, VE5, MW1, MW2	Collect vapor samples
08/25/2010	9,480	137	2,483	215	0.76			28	0.079	49	309	51	VE3, VE5, MW1, MW2	Monitor system operation parameters
09/01/2010	9,651	171	2,654	206	0.73			28	0.076	49	322	53	VE3, VE5, MW1, MW2	Monitor system operation parameters
09/08/2010	9,821	170	2,824	196	0.69			28	0.072	50	335	55	VE3, VE5, MW1, MW2	Monitor system operation parameters
09/16/2010	10,014	193	3,017	182	0.64			28	0.000	50	342	56	VE3, VE5, MW1, MW2	Collect vapor samples
09/23/2010	10,181	167	3,184	173	0.61			28	0.064	50	347	57	VE3, VE5, MW1, MW2	Collect effluent vapor samples
09/30/2010	10,346	165	3,349	160	0.56			28	0.059	49	357	59	VE3, VE5, MW1, MW2	Collect observation wellhead data

TABLE 1
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ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Date	Hour Meter	Difference From Previous Reading	Cumulative Total Operating Hours	Field Measured Influent Concentration Before Dilution (OVA) [1] (ppmv)	(mg/L)	Laboratory Influent Concentration Before Dilution (ppmv)	(mg/L)	Process Flow Rate [1] (scfm)	Removal Rate Average [2] (lbs/hour)	Manifold Vacuum [3] (in. H2O)	Cumulative Hydrocarbons Removed (pounds)	(gallons)	Wells Used for Extraction	Comments
10/06/2010	10,433	87	3,436	152	0.54			28	0.056	50	362	60	VE3, VE5, MW1, MW2	Collect wellhead data, grease blower
10/14/2010	10,677	244	3,680	13,180	46.43	**1,600**	**5.8**	28	0.607	53	443	73	VE3, VE5, MW1, MW2	Collect vapor samples, adjust manual dilution to 100% open
10/19/2010	10,730	53	3,733	357	1.26			28	0.132	20	463	76	VE1-VE5, MW1, MW2, MW6	Collect wellhead data
10/27/2010	10,927	197	3,930	26	0.09			28	0.010	20	477	79	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters
11/04/2010	11,108	181	4,111	14	0.05			24	0.004	74	478	79	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters
11/12/2010	11,276	168	4,279	18	0.06			28	0.007	77	479	79	VE1-VE5, MW1, MW2, MW6	System off for maintenance, restart system, check for and fix leaking AS wells
11/19/2010	11,445	169	4,448	129	0.45	**310**	**1.1**	28	0.115	26	489	81	VE1-VE5, MW1, MW2, MW6	Collect samples, collect wellhead data
11/24/2010	11,571	126	4,574	55	0.19			28	0.020	50	498	82	VE1-VE5, MW1, MW2, MW6	Collect observation well data
11/29/2010	11,615	44	4,618	849	2.99			28	0.313	25	505	83	VE1-VE5, MW1, MW2, MW6	System off due to high water alarm, drain K.O. pot. Changed oil and greased blower. Troubleshoot AS unit and change out
12/10/2010	11,873	258	4,876	50	0.18			28	0.018	24	548	91	VE1-VE5, MW1, MW2, MW6	Check wellheads, collect wellhead data, collect observation well data
12/16/2010	12,023	150	5,026	23	0.08	**20**	**0.069**	28	0.007	39	550	91	VE1-VE5, MW1, MW2, MW6	Collect vapor samples
12/22/2010	12,163	140	5,166	20	0.07			27	0.007	49	551	91	VE1-VE5, MW1, MW2, MW6	Grease blower, collect wellhead data
12/28/2010	12,308	145	5,311	13	0.05			26	0.004	46	551	91	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect observation well data
01/05/2011	12,312	4	5,315	325	1.14			26	0.111	46	552	91	VE1-VE5, MW1, MW2, MW6	System off for carbon changeout; restart VE and AS systems
01/13/2011	12,503	191	5,506	14	0.05			26	0.005	36	563	93	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters
01/21/2011	12,700	197	5,703	17	0.06	**7.1**	**0.025**	26	0.002	38	564	93	VE1-VE5, MW1, MW2, MW6	Collect vapor samples
01/25/2011	12,790	90	5,793	5	0.02			24	0.002	40	564	93	VE1-VE5, MW1, MW2, MW6	Collect observation wellhead data
02/04/2011	13,030	240	6,033	4	0.01			24	0.001	40	564	93	VE5, MW1, MW6	Close wells with low VOCs, collect observation well data
02/09/2011	13,151	121	6,154	28	0.10	**19**	**0.066**	26	0.006	41	565	93	VE5, MW1, MW6	Collect samples, collect wellhead data
02/15/2011	13,296	145	6,299	24	0.08			26	0.008	42	566	93	VE5, MW1, MW6	Collect wellhead data, monitor system operation parameters
02/24/2011	13,508	212	6,511	26	0.09			28	0.010	51	567	94	VE5, MW1, MW6	Collect wellhead data, monitor system operation parameters
03/02/2011	13,653	145	6,656	19	0.07			30	0.008	51	569	94	VE5, MW1	Monitor system operation parameters
03/09/2011	13,823	170	6,826	18	0.06	**37**	**0.130**	24	0.012	30	570	94	VE1-VE5, MW1, MW2, MW6	Adjust system to to correct flow
03/16/2011	13,987	164	6,990	64	0.23			20	0.017	39	573	95	VE1-VE5, MW1	Collect wellhead data
03/22/2011	14,133	146	7,136	58	0.20			20	0.015	39	575	95	VE1-VE5, MW1	Monitor system operation parameters, collect wellhead data
03/30/2011	14,327	194	7,330	25	0.09			20	0.007	28	577	95	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect wellhead data
04/06/2011	14,493	166	7,496	12	0.04			20	0.003	31	578	96	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect wellhead data
04/13/2011	14,665	172	7,668	11	0.04			20	0.003	35	578	96	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect wellhead data
04/20/2011	14,829	164	7,832	9	0.03			20	0.002	35	579	96	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters
04/22/2011	14,877	48	7,880	6	0.02			20	0.002	35	579	96	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect wellhead data
04/29/2011	14,878	1	7,881	5	0.02	**13**	**0.046**	20	0.003	35	579	96	VE1-VE5, MW1, MW2, MW6	System off for groundwater level measurements, monitor system operation parameters, collect vapor samples
05/06/2011	15,042	164	8,045	12	0.04			20	0.003	38	580	96	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect wellhead data
05/12/2011	15,182	140	8,185	15	0.05	**ND<5.0**	**ND<0.025**	20	0.004	38	580	96	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect wellhead data, collect vapor samples

Cumulative Pounds of TPHg Removed Since Initial Start-up (05/04/2010) Through End of Operation (05/20/2011)	580
VES Operating Hours Since Initial Start-up (05/04/2010) Through end of Operation (05/20/2011)	8,185

Notes:

[1] Influent concentration values are measured before dilution and are measured in the field using a Horiba Mexa 334J (Horiba) Infrared Detector, or a Photovac MicroFID (mFID) calibrated to Hexane. Flow rate was measured before dilution (if dilution air used) with a pitot tube reading of velocity pressure.

[2] Field-measured influent UVOC concentrations are used for calculation of hydrocarbon removal. A molecular weight of 86.18 (molecular weight of hexane) was used to convert field-measured ppmv concentrations to mg/L. Laboratory measured influent UVOC concentrations are used for hydrocarbon removal calculations where available.

[3] Vacuum measured before automatic or manual dilution.

TABLE 2
HIGH VACUUM DUAL PHASE EXTRACTION (HVDPE) AND GROUNDWATER PUMP AND TREAT DATA
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Date	Hour Meter	Difference From Previous Reading	Cumulative Total Operating Hours	Field Measured Influent Concentration [1] (ppmv)	(mg/L)	Influent Concentration (Laboratory) [2] (ppmv)	(mg/L)	Vapor Flow Rate [3] (scfm)	Cumulative Vapor Volume Removed (cubic feet)	Removal Rate Average [4] (lbs/hour)	Vacuum [5] (in. Hg.)	Dilut. Valve [7] (% open)	Totalizer Reading [8] (gallons)	Cumulative Extracted Groundwater (gallons)	Cumulative Hydrocarbons Removed (Pounds)	(gallons)	Comments
High Vacuum Dual-Phase Extraction System (HVDPE) Started On May 7, 2014, Bisco Systems HVDPE system, 150 scfm vapor extraction unit powered by a 25 h.p. motor driven Decker Liquid Ring blower.																	
05/07/2014	11,922	0	0	123	0.50	**82**	**0.29**	122	0	0.132	14	0	1,127	0	0.00	0	Re-start system, make list of repairs needed, install new hour-meter, collect vapor samples
05/08/2014	11,932	10	10	41	0.17			134	80,400	0.084	12	0	1,443	316	1.08	0.18	System off due to bad fuse for water transfer pump, fix fuse, re-start and tune system
05/09/2014	11,954	22	32	14	0.06			147	274,440	0.031	11	0	2,993	1,866	2.35	0.39	Fix water leaks
05/10/2014	11,979	25	57	18	0.07			143	488,940	0.039	12	0	4,380	3,253	3.24	0.53	O&M
05/11/2014	12,003	24	81	12	0.05			156	713,580	0.029	10	0	5,478	4,351	4.05	0.67	Close wells to 40%
05/12/2014	12,027	24	105	5	0.02			166	952,620	0.013	9	0	6,367	5,240	4.55	0.75	O&M
05/14/2014	12,049	22	127	9	0.04			137	1,133,460	0.019	12	0	7,091	5,964	4.89	0.81	System off due to bad fuse, fix fuse and re-start system
05/21/2014	12,223	174	301	8	0.03			140	2,595,060	0.017	12	0	28,985	27,858	8.02	1.33	O&M
05/28/2014	12,322	99	400	30	0.12			145	3,456,360	0.066	12	0	39,985	38,858	12.16	2.01	System off due to high knockout pot, reset and re-start system
06/04/2014	12,489	167	567	6	0.02			145	4,909,260	0.013	11	0	57,400	56,273	18.82	3.11	O&M
06/11/2014	12,658	169	736	5	0.02	**11**	**0.04**	149	6,420,120	0.022	11	0	73,667	72,540	21.82	3.61	Collect vapor samples
06/16/2014	12,727	69	805	10	0.04			151	7,045,260	0.023	11	0	79,461	78,334	23.39	3.87	Manually turn off system on 6/14/14 to fix psi gauge assembly and leaking water, re-start
06/23/2014	12,799	72	877	62	0.25			147	7,680,300	0.139	11	0	85,043	83,916	29.23	4.83	System off due to high knockout pot, reset and re-start system
06/23/2014	12,802	3	880	93	0.38			122	7,702,260	0.173	14	0	85,043	83,916	29.70	4.91	Close low ppm wells, collect well measurements again
07/01/2014	12,990	188	1,068	11	0.04	**20**	**0.08**	116	9,010,740	0.035	14	0	95,526	94,399	49.26	8.14	Monitor system operation parameters, collect vapor samples
07/07/2014	13,119	129	1,197	18	0.07			116	9,908,580	0.032	14	0	101,743	100,616	53.55	8.85	System off due to blown fuse, replace pump fuse and re-start
07/15/2014	13,127	8	1,205	21	0.09			114	9,963,300	0.037	14	0	102,060	100,933	53.83	8.90	System off due to blown fuse for main holding tank, replace fuse and re-start, rotate and lube fa shafts
07/24/2014	13,156	29	1,234	25	0.10			118	10,168,620	0.045	14	0	103,271	102,144	55.01	9.09	System off due to high knockout pot, clean float sensor and re-start
07/31/2014	13,172	16	1,250	29	0.12			119	10,282,860	0.053	13	0	103,326	102,199	55.79	9.22	System off due to high pump temp and stuck float sensor, clean float sensor and sight tube, re start
08/13/2014	13,184	12	1,262	475	1.94			118	10,367,820	0.856	14	0	103,790	102,663	61.25	10.12	System off due to high knockout pot water, reset knockout pot sensor, re-start system and collec measurements
08/13/2014	13,186	2	1,264	500	2.04	**540**	**1.90**	83	10,377,780	0.590	17	0	103,792	102,665	62.70	10.36	Close VE5 and re-take measurements, collect vapor samples
08/29/2014	13,199	13	1,277	38	0.16			124	10,474,500	0.072	20	0	104,530	103,403	67.00	11.07	System off due to blown fuse for discharge pump, install larger fuse and re-start
09/04/2014	13,206	7	1,284	821	3.36	**1,900**	**7.77**	94	10,513,980	2.730	18	0	104,780	103,653	76.80	12.69	System off due to high knockout pot water, reset knockout pot sensor, re-start and tune system,collect vapor samples
09/09/2014	13,292	86	1,370	53	0.22			88	10,968,060	0.071	18	0	106,487	105,360	197.27	32.61	System off on arrival, tighten electical connections, fix pump leak, re-start system
09/19/2014	13,362	70	1,440	79	0.32			85	11,325,060	0.103	17	0	110,685	109,558	203.36	33.61	System off on arrival, Able Environmental Services pumps out water from holding tanks, clea inside of knockout pot, re-start
09/25/2014	13,421	59	1,499	648	2.65			94	11,657,820	0.931	17	0	113,691	112,564	233.84	38.65	System off due to tripped mag starter breaker, re-start
09/29/2014	13,460	39	1,538	107	0.44			98	11,887,140	0.160	18	0	115,428	114,301	255.12	42.17	Shut down system and replace sample tank discharge fuse, re-start

TABLE 2
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ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Date	Hour Meter	Difference From Previous Reading	Cumulative Total Operating Hours	Field Measured Influent Concentration [1] (ppmv)	Field Measured Influent Concentration [1] (mg/L)	Influent Concentration (Laboratory) [2] (ppmv)	Influent Concentration (Laboratory) [2] (mg/L)	Vapor Flow Rate [3] (scfm)	Cumulative Vapor Volume Removed (cubic feet)	Removal Rate Average [4] (lbs/hour)	Vacuum [5] (in. Hg.)	Dilut. Valve [7] (% open)	Totalizer Reading [8] (gallons)	Cumulative Extracted Groundwater (gallons)	Cumulative Hydrocarbons Removed (Pounds)	Cumulative Hydrocarbons Removed (gallons)	Comments
10/06/2014	13,503	43	1,581	748	3.06			88	12,114,180	1.006	18	0	117,285	116,158	280.19	46.31	System off due to blown discharge pump fuse, replace fuse and re-start, collect vapor samples
10/07/2014	13,524	21	1,602	502	2.05			92	12,230,100	0.706	18	0	118,338	117,211	298.16	49.28	System off due to blown discharge pump fuse, replace fuse and re-start, change out carbon
10/13/2014	13,588	64	1,666	515	2.10	**150**	**0.61**	78	12,529,620	0.614	18	0	120,186	119,059	340.38	56.26	System off on arrival, troubleshoot system, reset knockout pot pump and mag starter, re-start, collect vapor samples
10/21/2014	13,771	183	1,849	302	1.23			76	13,364,100	0.351	18	0	129,843	128,716	428.63	70.85	System off on arrival, troubleshoot system, reset knockout pot pump, re-start
10/29/2014	13,961	190	2,039	84	0.34			96	14,458,500	0.123	18	0	139,540	138,413	473.65	78.29	O&M
11/05/2014	14,040	79	2,118	122	0.50			100	14,932,500	0.186	18	0	143,340	142,213	485.88	80.31	O&M
11/10/2014	14,159	119	2,237	18	0.07	**ND<5.0**	**ND<25**	90	15,575,100	0.025	17	0	144,223	143,096	498.45	82.39	Collect vapor samples
11/18/2014	14,172	13	2,250	1,593	6.51			81	15,638,280	1.972	18	0	144,877	143,750	511.42	84.53	System off due to tripped mag starter breaker, reset knockout pot pump and install new check valve, re-start
11/24/2014	14,220	48	2,298	1,574	6.43			78	15,862,920	1.876	18	0	147,095	145,968	603.76	99.80	System off for water sampling on 11/21/2014, re-start
12/04/2014	14,294	74	2,372	85	0.35			98	16,298,040	0.127	17	0	151,230	150,103	677.88	112.05	System off due to knockout pump malfunction, reset sytem and re-start
12/10/2014	14,439	145	2,517	10	0.04	**ND<5.0**	**ND<25**	81	17,002,740	0.012	19	0	154,048	152,921	688.01	113.72	O&M, collect vapor samples
12/19/2014	14,654	215	2,732	7	0.03			96	18,241,140	0.010	15	0	164,748	163,621	690.44	114.12	O&M
12/22/2014	14,725	71	2,803	8	0.03			98	18,658,620	0.012	15	0	167,489	166,362	691.23	114.25	O&M
12/31/2014	14,942	217	3,020	10	0.04			92	19,856,460	0.014	16	0	174,941	173,814	694.06	114.72	O&M
01/15/2015	15,157	215	3,235	31	0.13			94	21,069,060	0.045	15	0	182,780	181,653	700.35	115.76	System off on arrival, install new de-watering pump and re-start
01/23/2015	15,342	185	3,420	4	0.02	**ND<5.0**	**ND<25**	98	22,156,860	0.006	16	0	184,290	183,163	705.03	116.53	O&M, collect vapor samples
01/29/2015	15,490	148	3,568	21	0.09			102	23,062,620	0.033	14	0	184,700	183,573	707.89	117.01	System off on arrival, re-start, unit is running noisy
02/05/2015	15,655	165	3,733	5	0.02			104	24,092,220	0.008	14	0	185,912	184,785	711.25	117.56	O&M
02/09/2015	15,749	94	3,827	5	0.02			103	24,673,140	0.008	14	0	186,470	185,343	711.99	117.68	Shut down system due to noise complaint
02/15/2015	15,749	0	3,827	15	0.06			102	24,673,140	0.023	14	0	186,470	185,343	711.99	117.68	Install more plywood and sound blankets for noise, re-start
02/20/2015	15,750	1	3,828	224	0.92	**97**	**0.34**	92	24,678,660	0.117	17	0	186,569	185,442	712.06	117.70	Unit off on arrival, re-start, collect vapor samples
02/25/2015	15,872	122	3,950	49	0.20			98	25,396,020	0.073	16	0	189,402	188,275	723.67	119.61	System off on arrival due to low voltage, re-start
03/04/2015	16,039	167	4,117	5	0.02			98	26,377,980	0.007	15	0	196,935	195,808	730.42	120.73	O&M
03/12/2015	16,230	191	4,308	--	--			--	--	--	--	--	--	195,808	730.42	120.73	System off on arrival, remain off to commence rebound testing
Two week vapor rebound test initiated on 07/13/15																	
07/13/2015	16,235	5	4,313	729	2.98	**1,500**	**6.13**	136	26,418,780	3.117	11	0	202,713	201,586	738.23	122.02	Restart system for vapor rebound test; collect influent samples
07/20/2015	16,406	171	4,484	563	2.30	**720**	**2.94**	126	27,711,540	1.385	12	0	208,057	206,930	1,123.10	185.64	System off on arrival due to storm on 7/18/15; re-start; collect influent samples
07/27/2015	16,570	164	4,648	455	1.86	**710**	**2.9**	134	29,030,100	1.453	11	0	211,933	210,806	1,355.78	224.10	System off on arrival due to low voltage; re-start; collect influent samples; shut down system

Cumulative Pounds of TPHg Removed Since Initial Start-up (05/07/2014) Through End of Current Reporting Period (07/27/2015)	1355.78
Cumulative Pounds of TPHg Removed During This Reporting Period (07/13/2015 - 07/27/2015)	625.36
VES Operating Hours for the Current Reporting Period (07/13/2015 - 07/27/2015)	340
VES Percent Up-Time During the Current Reporting Period (07/13/2015 - 07/27/2015)	94%

Notes:

[1] Influent concentration values are measured before dilution and are measured in the field using a Horiba Mexa 334J (Horiba) Infrared Detector, or a Photovac MicroFID (mFID) calibrated to Hexane. Flow rate was measured before dilution (if dilution air used) with a pitot tube reading of velocity pressu

[2] Field-measured influent UVOC concentrations are used for calculation of hydrocarbon removal. A molecular weight of 86.18 (molecular weight of hexane) was used to convert fi measured ppmv concentrations to mg/L. Laboratory measured influent UVOC concentrations are used for hydrocarbon removal calculations where available.

[3] Vacuum measured before automatic or manual dilution.

TABLE 3
VAPOR EXTRACTION WELLHEAD DATA
ALAMO CARWASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

	VE1				VE2				VE3			
	Screened Interval: 5-15 feet bgs				Screened Interval: 5-15 feet bgs				Screened Interval: 5-15 feet bgs			
DATE	OPEN	UVOCs	FLOW	VACUUM	OPEN	UVOCs	FLOW	VACUUM	OPEN	UVOCs	FLOW	VACUUM
	Yes/No	(PPMV)	(SCFM)	(in.H2O)*	Yes/No	(PPMV)	(SCFM)	(in.H2O)*	Yes/No	(PPMV)	(SCFM)	(in.H2O)*
05/04/2010	Yes	--	--	--	Yes	--	--	--	Yes	--	--	--
05/07/2010	Yes	20	<10	20	Yes	57	<10	20	Yes	1,166	<10	20
05/10/2010	Yes	**166**	<10	27	Yes	**51**	<10	27	Yes	**609**	<10	27
05/21/2010	Yes	24	<10	27	Yes	53	<10	27	Yes	844	<10	27
05/26/2010	Yes	15	<10	26	Yes	15	<10	26	Yes	289	<10	26
06/02/2010	Yes	18	<10	36	Yes	15	<10	36	Yes	187	<10	36
06/07/2010	Yes	12	<10	39	Yes	6	<10	39	Yes	150	<10	39
06/16/2010	Yes	13	<10	41	Yes	3	<10	41	Yes	114	<10	41
06/22/2010	Yes	10	<10	47	No	--	--	--	Yes	86	<10	47
06/29/2010	Yes	15	<10	49	No	--	--	--	Yes	60	<10	49
07/07/2010	Yes	7	<10	46	No	--	--	--	Yes	62	<10	46
07/14/2010	No	--	--	--	No	--	--	--	Yes	46	<10	45
07/20/2010	No	--	--	--	No	--	--	--	Yes	54	<10	48
07/28/2010	No	--	--	--	No	--	--	--	Yes	51	<10	49
08/05/2010	No	--	--	--	No	--	--	--	Yes	25	<10	50
08/11/2010	No	--	--	--	No	--	--	--	Yes	23	<10	48
08/19/2010	No	--	--	--	No	--	--	--	Yes	14	<10	49
08/25/2010	No	--	--	--	No	--	--	--	Yes	17	<10	49
09/01/2010	No	--	--	--	No	--	--	--	Yes	11	<10	49
09/08/2010	No	--	--	--	No	--	--	--	Yes	9	<10	50
09/16/2010	No	--	--	--	No	--	--	--	Yes	7	<10	46
09/23/2010	No	--	--	--	No	--	--	--	Yes	12	<10	50
09/30/2010	No	--	--	--	No	--	--	--	Yes	8	<10	49
10/06/2010	No	--	--	--	No	--	--	--	Yes	5	<10	50
10/14/2010	No	--	--	--	No	--	--	--	Yes	13,950	<10	52
10/19/2010	Yes	76	<10	20.3	Yes	4	<10	20.3	Yes	769	<10	20.3
10/27/2010	Yes	10	<10	20	Yes	5	<10	20	Yes	36	<10	20
11/12/2010	Yes	5	<10	76	Yes	7	<10	76	Yes	37	<10	76
11/19/2010	Yes	177	<10	45	Yes	8	<10	45	Yes	625	<10	45
11/04/2010	Yes	--	--	--	Yes	--	--	--	Yes	--	--	--
11/29/2010	Yes	45	<10	25	Yes	3	<10	25	Yes	3,500	<10	25
12/10/2010	Yes	29	<10	35	Yes	2	<10	35	Yes	26	<10	35
12/16/2010	Yes	18	<10	39	Yes	0	<10	39	Yes	6	<10	39
12/22/2010	Yes	5	<10	49	Yes	0	<10	49	Yes	4	<10	49
12/28/2010	Yes	4	<10	45	Yes	0	<10	45	Yes	6	<10	45
01/05/2011	Yes	84	<10	39	Yes	3	<10	39	Yes	735	<10	39
01/13/2011	Yes	7	<10	36	Yes	2	<10	36	Yes	4	<10	36
01/25/2011	Yes	2	<10	38	Yes	1	<10	38	Yes	1	<10	38
02/04/2011	No	3	--	--	No	4	--	--	No	4	--	--
02/09/2011	No	--	--	--	No	--	--	--	No	--	--	--
02/15/2011	No	--	--	--	No	--	--	--	No	--	--	--
02/24/2011	No	--	--	--	No	--	--	--	No	--	--	--
03/02/2011	No	--	--	--	No	--	--	--	No	--	--	--
03/09/2011	Yes	0	<10	32.3	Yes	12	<10	32.4	Yes	33	<10	32.4
03/10/2011	No	--	<10	-1.45	Yes	--	<10	36	Yes	--	<10	36
03/16/2011	Yes	10	<10	37	Yes	3	<10	37	Yes	193	<10	37
03/22/2011	Yes	5	<10	39	Yes	5	<10	39	Yes	39	<10	39
03/30/2011	Yes	4	<10	28	Yes	3	<10	28	Yes	18	<10	28
04/06/2011	Yes	9	<10	31	Yes	1	<10	31	Yes	26	<10	31
04/13/2011	Yes	4	<10	35	Yes	2	<10	35	Yes	3	<10	35
04/20/2011	Yes	2	<10	35	Yes	7	<10	35	Yes	2	<10	35
04/22/2011	Yes	3	<10	34	Yes	1	<10	34	Yes	3	<10	34
04/29/2011	Yes	1	<10	35	Yes	5	<10	35	Yes	15	<10	35
05/06/2011	Yes	0	<10	38	Yes	1	<10	38	Yes	12	<10	38
05/12/2011	Yes	3	<10	37	Yes	1	<10	37	Yes	2	<10	37
05/20/2011	Yes	12	<10	10	Yes	12	<10	10	Yes	15	<10	10

TABLE 3
VAPOR EXTRACTION WELLHEAD DATA
ALAMO CARWASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

	VE1				VE2				VE3			
	Screened Interval: 5-15 feet bgs				Screened Interval: 5-15 feet bgs				Screened Interval: 5-15 feet bgs			
DATE	OPEN	UVOCs	FLOW	VACUUM	OPEN	UVOCs	FLOW	VACUUM	OPEN	UVOCs	FLOW	VACUUM
	Yes/No	(PPMV)	(SCFM)	(in.H2O)*	Yes/No	(PPMV)	(SCFM)	(in.H2O)*	Yes/No	(PPMV)	(SCFM)	(in.Hg)*
05/07/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--	Yes (50%)	--	--	--
05/08/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--	Yes (50%)	--	--	--
05/09/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--	Yes (50%)	--	--	--
05/10/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--	Yes (50%)	--	--	--
05/11/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--	Yes (40%)	--	--	--
05/12/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--	Yes (40%)	--	--	--
05/14/2014	Yes (40%)	--	--	5	Yes (40%)	--	--	8.5	Yes (40%)	--	--	7.5
05/21/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--	Yes (40%)	--	--	--
05/28/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--	Yes (40%)	--	--	--
06/04/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--	Yes (40%)	--	--	--
06/11/2014	Yes (40%)	**2.4**	--	--	Yes (40%)	**ND<1.5**	--	--	Yes (40%)	**28**	--	--
06/16/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--	Yes (40%)	--	--	--
06/23/2014	Yes (40%)	2	--	7.75	Yes (40%)	3	--	9	Yes (40%)	64	--	9
06/23/2014	No	--	--	--	No	--	--	--	Yes (40%)	--	--	--
07/01/2014	No	--	--	--	No	--	--	--	Yes (50%)	4	--	--
07/07/2014	No	--	--	--	No	--	--	--	Yes (50%)	9	--	--
07/15/2014	No	--	--	--	No	--	--	--	Yes (50%)	--	--	--
07/24/2014	No	--	--	--	No	--	--	--	Yes (50%)	--	--	--
07/31/2014	No	--	--	--	No	--	--	--	Yes (50%)		--	--
08/13/2014	No	--	--	--	No	--	--	--	Yes (50%)	255	--	--
08/29/2014	No	--	--	--	No	--	--	--	Yes (50%)	--	--	--
09/04/2014	No	--	--	--	No	--	--	--	Yes (50%)	**290**	--	16.5
09/09/2014	No	--	--	--	No	--	--	--	Yes (50%)	32	--	--
09/19/2014	No	--	--	--	No	--	--	--	Yes (50%)	--	--	--
09/25/2014	No	--	--	--	No	--	--	--	Yes (50%)	--	--	--
09/29/2014	No	--	--	--	No	--	--	--	Yes (50%)	--	--	--
10/06/2014	No	--	--	--	No	--	--	--	Yes (50%)	--	--	--
10/13/2014	No	--	--	--	No	--	--	--	Yes (50%)	--	--	--
10/21/2014	No	--	--	--	No	--	--	--	Yes (50%)	--	--	--
10/29/2014	No	--	--	--	No	--	--	--	Yes (50%)	--	--	--
11/05/2014	No	--	--	--	No	--	--	--	Yes (50%)	115	--	13.5
11/10/2014	No	--	--	--	No	--	--	--	Yes (50%)	4	--	13.5
11/18/2014	No	--	--	--	No	--	--	--	Yes (50%)	173	--	--
11/24/2014	No	--	--	--	No	--	--	--	Yes (50%)	--	--	--
12/04/2014	No	--	--	--	No	--	--	--	Yes	84	--	--
12/10/2014	No	--	--	--	No	--	--	--	Yes	2	--	16
12/19/2014	No	--	--	--	No	--	--	--	Yes	--	--	--
12/22/2014	No	--	--	--	No	--	--	--	Yes	--	--	--
12/31/2014	No	--	--	--	No	--	--	--	Yes	--	--	--
01/15/2015	No	--	--	--	No	--	--	--	Yes	--	--	--
01/23/2015	No	--	--	--	No	--	--	--	Yes	--	--	--
01/29/2015	No	--	--	--	No	--	--	--	Yes	--	--	--
02/05/2015	No	--	--	--	No	--	--	--	Yes	2	--	--
02/09/2015	No	--	--	--	No	--	--	--	Yes	--	--	--
02/15/2015	No	--	--	--	No	--	--	--	Yes	--	--	--
02/20/2015	No	--	--	--	No	--	--	--	Yes	--	--	--
02/25/2015	No	--	--	--	No	--	--	--	Yes	--	--	--
03/04/2015	No	--	--	--	No	--	--	--	Yes	3	--	--
03/12/2015	No	--	--	--	No	--	--	--	Yes	--	--	--
07/13/2015	Yes	22	26	8.5	Yes	13	33	9.0	Yes	1,942	23	10.0
07/20/2015	Yes	12	26	11.0	Yes	7	34	10.5	Yes	2,410	--	10.75
07/27/2015	Yes	14	32	9.25	Yes	7	35	9.25	Yes	1,677	20	9.5

TABLE 3
VAPOR EXTRACTION WELLHEAD DATA
ALAMO CARWASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

	VE4				VE5				MW1			
	Screened Interval: 5-15 feet bgs				Screened Interval: 5-15 feet bgs				Screened Interval: 9 to 39 feet bgs			
DATE	OPEN	UVOCs	FLOW	VACUUM	OPEN	UVOCs	FLOW	VACUUM	OPEN	UVOCs	FLOW	VACUUM
	Yes/No	(PPMV)	(SCFM)	(in.H2O)*	Yes/No	(PPMV)	(SCFM)	(in.H2O)*	Yes/No	(PPMV)	(SCFM)	(in.H2O)*
05/04/2010	Yes	--	--	--	Yes	--	--	--	Yes	--	--	--
05/07/2010	Yes	1,813	<10	20	Yes	5,850	<10	20	Yes	4,040	<10	20
05/10/2010	Yes	**1,040**	<10	27	Yes	**5,080**	<10	27	Yes	**3,750**	<10	27
05/21/2010	Yes	1,750	<10	27	Yes	4,930	<10	27	Yes	3,280	<10	27
05/26/2010	Yes	645	<10	26	Yes	3,250	<10	26	Yes	1,790	<10	26
06/02/2010	Yes	284	<10	36	Yes	2,600	<10	36	Yes	1,198	<10	36
06/07/2010	Yes	285	<10	39	Yes	2,210	<10	39	Yes	918	<10	39
06/16/2010	Yes	180	<10	41	Yes	1,738	<10	41	Yes	630	<10	41
06/22/2010	Yes	122	<10	47	Yes	1,490	<10	47	Yes	548	<10	47
06/29/2010	Yes	94	<10	49	Yes	1,310	<10	49	Yes	459	<10	49
07/07/2010	Yes	30	<10	46	Yes	1,089	<10	46	Yes	428	<10	46
07/14/2010	Yes (15%)	20	<10	45	Yes	929	<10	45	Yes	373	<10	45
07/20/2010	Yes (15%)	12	--	14	Yes	878	<10	48	Yes	344	<10	48
07/28/2010	Yes (15%)	11	--	13	Yes	765	<10	49	Yes	334	<10	49
08/05/2010	No	--	--	--	Yes	830	<10	50	Yes	526	<10	50
08/11/2010	No	--	--	--	Yes	675	<10	48	Yes	315	<10	48
08/19/2010	No	--	--	--	Yes	625	<10	49	Yes	298	<10	49
08/25/2010	No	--	--	--	Yes	520	<10	49	Yes	265	<10	49
09/01/2010	No	--	--	--	Yes	496	<10	49	Yes	259	<10	49
09/08/2010	No	--	--	--	Yes	472	<10	50	Yes	265	<10	50
09/16/2010	No	--	--	--	Yes	426	<10	50	Yes	267	<10	50
09/23/2010	No	--	--	--	Yes	405	<10	50	Yes	276	<10	50
09/30/2010	No	--	--	--	Yes	378	<10	41	Yes	256	<10	49
10/06/2010	No	--	--	--	Yes	356	<10	50	Yes	237	<10	50
10/14/2010	No	--	--	--	Yes	3,150	<10	52	Yes	19,650	<10	52
10/19/2010	Yes	215	<10	20.3	Yes	1,352	<10	20.3	Yes	1,307	<10	20.3
10/27/2010	Yes	16	<10	20	Yes	128	<10	20	Yes	307	<10	20
11/04/2010	Yes	9	<10	74	Yes	185	<10	74	Yes	182	<10	74
11/12/2010	Yes	8	<10	76	Yes	125	<10	76	Yes	225	<10	76
11/19/2010	Yes	70	<10	45	Yes	260	<10	45	Yes	2,500	<10	45
11/29/2010	Yes	770	<10	25	Yes	335	<10	25	Yes	3,130	<10	25
12/10/2010	Yes	36	<10	35	Yes	103	<10	35	Yes	410	<10	35
12/16/2010	Yes	18	<10	39	Yes	82	<10	39	Yes	160	<10	39
12/22/2010	Yes	24	<10	49	Yes	89	<10	49	Yes	167	<10	49
12/28/2010	Yes	12	<10	45	Yes	72	<10	45	Yes	48	<10	45
01/05/2011	Yes	367	<10	39	Yes	435	<10	39	Yes	565	<10	39
01/13/2011	Yes	13	<10	36	Yes	62	<10	36	Yes	64	<10	36
01/25/2011	Yes	5	<10	38	Yes	38	<10	38	Yes	31	<10	38
02/04/2011	No	5	--	--	Yes	35	<10	42	Yes	34	<10	42
02/09/2011	No	--	--	--	Yes	42	<10	43	Yes	46	<10	43
02/15/2011	No	--	--	--	Yes	40	<10	42	Yes	42	<10	42
02/24/2011	No	--	--	--	Yes	33	<10	51	Yes	38	<10	51
03/02/2011	No	--	--	--	Yes	--	--	--	Yes	--	<10	--
03/09/2011	Yes	3	<10	32.4	Yes	18	<10	32.4	Yes	42	<10	32.4
03/10/2011	Yes	--	<10	36	Yes	--	<10	36	Yes	--	<10	36
03/16/2011	Yes	76	<10	37	Yes	42	<10	37	Yes	255	<10	37
03/22/2011	Yes	23	<10	39	Yes	28	<10	39	Yes	345	<10	39
03/30/2011	Yes	7	<10	28	Yes	61	<10	28	Yes	149	<10	28
04/06/2011	Yes	10	<10	31	Yes	19	<10	31	Yes	133	<10	31
04/13/2011	Yes	8	<10	35	Yes	12	69	35	Yes	123	<10	35
04/20/2011	Yes	2	<10	35	Yes	15	--	35	Yes	76	<10	35
04/22/2011	Yes	3	<10	34	Yes	10	68	34	Yes	48	<10	34
04/29/2011	Yes	17	<10	35	Yes	18	62	35	Yes	104	<10	35
05/06/2011	Yes	5	<10	38	Yes	7	68	38	Yes	100	<10	38
05/12/2011	Yes	12	<10	37	Yes	135	70	37	Yes	40	<10	37
05/20/2011	Yes	12	<10	10	Yes	31	<10	10	Yes	268	<10	10

TABLE 3
VAPOR EXTRACTION WELLHEAD DATA
ALAMO CARWASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

	VE4				VE5				MW1			
	Screened Interval: 5-15 feet bgs				Screened Interval: 5-15 feet bgs				Screened Interval: 9 to 39 feet bgs			
DATE	OPEN	UVOCs	FLOW	VACUUM	OPEN	UVOCs	FLOW	VACUUM	OPEN	UVOCs	FLOW	VACUUM
	Yes/No	(PPMV)	(SCFM)	(in.H2O)*	Yes/No	(PPMV)	(SCFM)	(in.H2O)*	Yes/No	(PPMV)	(SCFM)	(in.Hg)*
05/07/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--	Yes (50%)	--	--	--
05/08/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--	Yes (50%)	--	--	--
05/09/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--	Yes (50%)	--	--	--
05/10/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--	Yes (50%)	--	--	--
05/11/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--	Yes (40%)	--	--	--
05/12/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--	Yes (40%)	--	--	--
05/14/2014	Yes (40%)	--	--	6	Yes (20%)	--	--	8.5	Yes (50%)	--	--	4
05/21/2014	Yes (40%)	--	--	--	Yes (20%)	--	--	--	Yes (50%)	--	--	--
05/28/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--	Yes (50%)	--	--	--
06/04/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--	Yes (50%)	--	--	--
06/11/2014	Yes (40%)	**3.2**	--	--	Yes (40%)	**ND<1.5**	--	--	Yes (50%)	**ND<1.5**	--	--
06/16/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--	Yes (50%)	--	--	--
06/23/2014	Yes (40%)	80	--	8.75	Yes (40%)	2	--	8	Yes (50%)	51	--	10.5
06/23/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--	Yes (50%)	--	--	--
07/01/2014	Yes (50%)	<1	--	--	Yes (50%)	3	--	--	Yes	7	--	--
07/07/2014	Yes (50%)	10	--	--	Yes (50%)	3	--	--	Yes	11	--	--
07/15/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--	Yes	--	--	--
07/24/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--	Yes	--	--	--
07/31/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--	Yes	--	--	--
08/13/2014	Yes (50%)	422	--	--	Yes (50%)	3	--	--	Yes	155	--	--
08/29/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--	Yes	--	--	--
09/04/2014	Yes (50%)	**710**	--	15.25	No	--	--	--	Yes	**19**	--	17
09/09/2014	Yes (50%)	12	--	--	No	--	--	--	Yes	1	--	--
09/19/2014	Yes (50%)	--	--	--	No	--	--	--	Yes	--	--	--
09/25/2014	Yes (50%)	--	--	--	No	--	--	--	Yes	--	--	--
09/29/2014	Yes (50%)	--	--	--	No	--	--	--	Yes	--	--	--
10/06/2014	Yes (50%)	--	--	--	No	--	--	--	Yes	--	--	--
10/13/2014	Yes (50%)	--	--	--	No	--	--	--	Yes	--	--	--
10/21/2014	Yes (50%)	--	--	--	No	--	--	--	Yes	--	--	--
10/29/2014	Yes (50%)	--	--	--	No	--	--	--	Yes	--	--	--
11/05/2014	Yes (50%)	294	--	6	No	--	--	--	Yes	47	--	7
11/10/2014	Yes (50%)	7	--	6	No	--	--	--	Yes	8	--	7
11/18/2014	Yes (50%)	230	--	--	No	--	--	--	Yes	16	--	--
11/24/2014	Yes (50%)	--	--	--	No	--	--	--	Yes	--	--	--
12/04/2014	Yes	161	--	--	No	--	--	--	Yes	25	--	--
12/10/2014	Yes	3	--	9	No	--	--	--	Yes	5	--	10
12/19/2014	Yes	--	--	--	No	--	--	--	Yes	--	--	--
12/22/2014	Yes	--	--	--	No	--	--	--	Yes	--	--	--
12/31/2014	Yes	--	--	--	No	--	--	--	Yes	--	--	--
01/15/2015	Yes	--	--	--	No	--	--	--	Yes	--	--	--
01/23/2015	Yes	--	--	--	No	--	--	--	Yes	--	--	--
01/29/2015	Yes	--	--	--	No	--	--	--	Yes	--	--	--
02/05/2015	Yes	2	--	--	No	--	--	--	Yes	4	--	--
02/09/2015	Yes	--	--	--	No	--	--	--	Yes	--	--	--
02/15/2015	Yes	--	--	--	No	--	--	--	Yes	--	--	--
02/20/2015	Yes	--	--	--	No	--	--	--	Yes	--	--	--
02/25/2015	Yes	--	--	--	No	--	--	--	Yes	--	--	--
03/04/2015	Yes	5	--	--	No	--	--	--	Yes	6	--	--
03/12/2015	Yes	--	--	--	No	--	--	--	Yes	--	--	--
07/13/2015	Yes	1,529	41	8.5	Yes	13	20	9.0	Yes	405	--	8.75
07/20/2015	Yes	583	35	7.25	Yes	9	25	11.0	Yes	177	--	10.5
07/27/2015	Yes	999	45	8.5	Yes	6	--	9.75	Yes	128	--	10.25

TABLE 3
VAPOR EXTRACTION WELLHEAD DATA
ALAMO CARWASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

	MW2				MW6			
	Screened Interval: 8 to 38 feet bgs				Screened Interval: 10 to 40 feet bgs			
DATE	OPEN	UVOCs	FLOW	VACUUM	OPEN	UVOCs	FLOW	VACUUM
	Yes/No	(PPMV)	(SCFM)	(in.H2O)*	Yes/No	(PPMV)	(SCFM)	(in.H2O)*
05/04/2010	Yes	--	--	--	Yes	--	--	--
05/07/2010	Yes	220	<10	20	Yes	28	<10	20
05/10/2010	Yes	**216**	<10	27	Yes	**68**	<10	27
05/21/2010	Yes	175	<10	27	Yes	16	<10	27
05/26/2010	Yes	58	<10	27	Yes	8	<10	26
06/02/2010	Yes	32	<10	36	Yes	5	<10	36
06/07/2010	Yes	33	<10	39	Yes	14	<10	39
06/16/2010	Yes	21	<10	41	Yes	4	<10	41
06/22/2010	Yes	82	<10	47	No	--	--	--
06/29/2010	Yes	57	<10	49	No	--	--	--
07/07/2010	Yes	39	<10	46	No	--	--	--
07/14/2010	Yes	45	<10	45	No	--	--	--
07/20/2010	Yes	41	<10	48	No	--	--	--
07/28/2010	Yes	60	<10	49	No	--	--	--
08/05/2010	Yes	23	<10	50	No	--	--	--
08/11/2010	Yes	22	<10	48	No	--	--	--
08/19/2010	Yes	13	<10	49	No	--	--	--
08/25/2010	Yes	12	<10	49	No	--	--	--
09/01/2010	Yes	10	<10	49	No	--	--	--
09/08/2010	Yes	10	<10	50	No	--	--	--
09/16/2010	Yes	11	<10	50	No	--	--	--
09/23/2010	Yes	14	<10	50	No	--	--	--
09/30/2010	Yes	9	<10	49	No	--	--	--
10/06/2010	Yes	4	<10	50	No	--	--	--
10/14/2010	Yes	13,350	<10	52	No	--	--	--
10/19/2010	Yes	8	<10	20.3	Yes	3	<10	20.3
10/27/2010	Yes	5	<10	20	Yes	3	<10	20
11/04/2010	Yes	3	<10	74	Yes	2	<10	74
11/12/2010	Yes	4	<10	76	Yes	5	<10	76
11/19/2010	Yes	7	<10	45	Yes	3	<10	45
11/29/2010	Yes	770	<10	25	Yes	3	<10	25
12/10/2010	Yes	13	<10	35	Yes	2	<10	35
12/16/2010	Yes	3	<10	39	Yes	3	<10	39
12/22/2010	Yes	1	<10	49	Yes	2	<10	49
12/28/2010	Yes	6	<10	45	Yes	9	<10	45
01/05/2011	Yes	210	<10	39	Yes	4	<10	39
01/13/2011	Yes	3	<10	36	Yes	3	<10	36
01/25/2011	Yes	2	<10	38	Yes	1	<10	38
02/04/2011	No	3	<10	--	Yes	6	--	42
02/09/2011	No	--	--	--	Yes	9	<10	43
02/15/2011	No	--	--	--	Yes	3	<10	42
02/24/2011	No	--	--	--	Yes	3	<10	51
03/02/2011	No	--	--	--	No	--	--	--
03/09/2011	Yes	4	<10	32.4	Yes	2	<10	32.4
03/10/2011	Yes	--	<10	36	No	--	<10	-4.20
03/16/2011	No	2	--	--	No	3	--	--
03/22/2011	No	--	--	--	No	--	--	--
03/30/2011	Yes	3	<10	28	Yes	2	<10	28
04/06/2011	Yes		<10	31	Yes	--	<10	31
04/13/2011	Yes	2	<10	35	Yes	2	<10	35
04/20/2011	Yes	2	<10	35	Yes	1	<10	35
04/22/2011	Yes	3	<10	34	Yes	1	<10	34
04/29/2011	Yes	0	<10	35	Yes	10	<10	35
05/06/2011	Yes	2	<10	38	Yes	2	<10	38
05/12/2011	Yes	1	<10	37	Yes	1	<10	37
05/20/2011	Yes	24	<10	10	Yes	16	<10	10

TABLE 3
VAPOR EXTRACTION WELLHEAD DATA
ALAMO CARWASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

	MW2				MW6			
	Screened Interval: 8 to 38 feet bgs				Screened Interval: 10 to 40 feet bgs			
DATE	OPEN	UVOCs	FLOW	VACUUM	OPEN	UVOCs	FLOW	VACUUM
	Yes/No	(PPMV)	(SCFM)	(in.H2O)*	Yes/No	(PPMV)	(SCFM)	(in.Hg)*
05/07/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--
05/08/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--
05/09/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--
05/10/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--
05/11/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--
05/12/2014	Yes (40%)	--	--	--	Yes (40%)	--	--	--
05/14/2014	Yes (50%)	--	--	2	Yes (50%)	--	--	4.5
05/21/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--
05/28/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--
06/04/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--
06/11/2014	Yes (50%)	**3.1**	--	--	Yes (50%)	**ND<1.5**	--	--
06/16/2014	Yes (50%)	--	--	--	Yes (50%)	--	--	--
06/23/2014	Yes (50%)	4	--	9.5	Yes (50%)	4	--	10
06/23/2014	No	--	--	--	No	--	--	--
07/01/2014	No	--	--	--	No	--	--	--
07/07/2014	No	--	--	--	No	--	--	--
07/15/2014	No	--	--	--	No	--	--	--
07/24/2014	No	--	--	--	No	--	--	--
07/31/2014	No	--	--	--	No	--	--	--
08/13/2014	No	--	--	--	No	--	--	--
08/29/2014	No	--	--	--	No	--	--	--
09/04/2014	No	--	--	--	No	--	--	--
09/09/2014	No	--	--	--	No	--	--	--
09/19/2014	No	--	--	--	No	--	--	--
09/25/2014	No	--	--	--	No	--	--	--
09/29/2014	No	--	--	--	No	--	--	--
10/06/2014	No	--	--	--	No	--	--	--
10/13/2014	No	--	--	--	No	--	--	--
10/21/2014	No	--	--	--	No	--	--	--
10/29/2014	No	--	--	--	No	--	--	--
11/05/2014	No	--	--	--	No	--	--	--
11/10/2014	No	--	--	--	No	--	--	--
11/18/2014	No	--	--	--	No	--	--	--
11/24/2014	No	--	--	--	No	--	--	--
12/04/2014	No	--	--	--	No	--	--	--
12/10/2014	No	--	--	--	No	--	--	--
12/19/2014	No	--	--	--	No	--	--	--
12/22/2014	No	--	--	--	No	--	--	--
12/31/2014	No	--	--	--	No	--	--	--
01/15/2015	No	--	--	--	No	--	--	--
01/23/2015	No	--	--	--	No	--	--	--
01/29/2015	No	--	--	--	No	--	--	--
02/05/2015	No	--	--	--	No	--	--	--
02/09/2015	No	--	--	--	No	--	--	--
02/15/2015	No	--	--	--	No	--	--	--
02/20/2015	No	--	--	--	No	--	--	--
02/25/2015	No	--	--	--	No	--	--	--
03/04/2015	No	--	--	--	No	--	--	--
03/12/2015	No	--	--	--	No	--	--	--
07/13/2015	Yes	597	--	10.5	Yes	5	--	10.0
07/20/2015	Yes	440	--	9.25	Yes	5	--	11.25
07/27/2015	Yes	455	--	10.25	Yes	7	--	10.25

Notes: [1] UVOC concentrations measured in the field using a Horiba Mexa 334J (Horiba) Infrared Organic Vapor Analyzer, or Photovac MicroFID (mFID) OVA calibrated to hexane.

Laboratory measured UVOC concentrations are shown in bold.

-- No data collected

* Vacuum measurments in inches of mercury (in. Hg) beginning 05/07/2014.

TABLE 4
OBSERVATION WELL DATA
ALAMO CARWASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

	MW3		MW4		MW5		MW8	
DATE	Screened Interval: 14-44 feet bgs		Screened Interval: 9-39 feet bgs		Screened Interval: 10-40 feet bgs		Screened Interval: 10-40 feet bgs	
	Depth to Water (feet btoc)	Dissolved Oxygen (mg/L)	Depth to Water (feet btoc)	Dissolved Oxygen (mg/L)	Depth to Water (feet btoc)	Dissolved Oxygen (mg/L)	Depth to Water (feet btoc)	Dissolved Oxygen (mg/L)
10/06/2010	--	--	15.29	0.72	14.22	1.60	--	--
10/14/2010	16.15	0.75	15.3	1.47	14.30	1.00	16.30	0.95
11/19/2010	16.30	0.83	15.5	0.81	15.40	1.44	16.50	1.23
11/24/2010	16.32	0.89	15.52	0.85	15.38	1.50	16.50	1.30
12/10/2010	16.45	0.61	15.50	0.58	14.45	0.93	16.50	0.64
12/22/2010	--	--	--	--	13.15	1.57	15.35	1.33
05/28/2014	17.51	--	16.54	--	15.70	--	--	--
07/01/2014	17.69	--	16.72	--	16.71	--	19.10	--
11/10/2014	18.13	--	17.27	--	16.77	--	19.43	--
02/25/2015	17.82	1.89	16.89	0.26	16.28	0.88	--	--

Notes:

-- No data collected

TABLE 5
SUMMARY OF INFLUENT VAPOR SAMPLING RESULTS
ALAMO CARWASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Sample Designation	Date Sampled	TPH [1] PPMv	Benzene [2] PPMv	Toluene [2] PPMv	Ethylbenzene [2] PPMv	Total Xylenes [2] PPMv	MTBE [2] PPMv	TBA [2] PPMv
INFLUENT SAMPLES BEFORE DILUTION								
Influent Before Dilution	05/04/2010	**1,630**	**6.99**	**20.1**	**15.2**	**52.98**	**15.2**	**8.68**
Influent Before Dilution	05/10/2010	**1,280**	**4.53**	**30.1**	**21.9**	**91.5**	**14.4**	**9.94**
Influent Before Dilution	06/22/2010	**225**	**0.39**	**6.11**	**6.11**	**29.52**	**3.03**	**8.43**
Influent Before Dilution	07/20/2010	**166**	**0.142**	**2.36**	**2.97**	**15.06**	**0.854**	**3.35**
Influent Before Dilution	08/19/2010	**193**	**0.245**	**2.47**	**2.61**	**18.13**	**1.02**	**5.91**
Influent Before Dilution	10/14/2010	**1,600**	**ND<0.10**	**1.5**	**1.2**	**4.6**	**ND<0.10**	**ND<0.50**
Influent Before Dilution	11/19/2010	**310**	**ND<0.10**	**1**	**0.37**	**3.5**	**ND<0.10**	**ND<0.50**
Influent Before Dilution	12/16/2010	**20**	**ND<0.10**	**ND<0.10**	**ND<0.10**	**0.28**	**ND<0.10**	**ND<0.50**
Influent Before Dilution	01/21/2011	**7.1**	**ND<0.10**	**ND<0.10**	**ND<0.10**	**ND<0.10**	**ND<0.10**	**ND<0.50**
Influent Before Dilution	02/09/2011	**19**	**ND<0.10**	**0.24**	**ND<0.10**	**0.32**	**ND<0.10**	**ND<0.50**
Influent Before Dilution	03/09/2011	**37**	**ND<0.050**	**0.098**	**0.055**	**0.25**	**ND<0.050**	**ND<0.50**
Influent Before Dilution	04/29/2011	**13**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.50**
Influent Before Dilution	05/12/2011	**ND<5.0**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.50**
Influent Before Dilution	05/07/2014	**82**	**ND<0.050**	**0.0584**	**0.077**	**0.24**	**ND<0.050**	**ND<0.25**
Influent Before Dilution	06/11/2014	**11**	**ND<0.020**	**0.022**	**0.026**	**0.052**	**ND<0.040**	**0.920**
Influent Before Dilution	07/01/2014	**20**	**ND<0.020**	**ND<0.020**	**0.042**	**0.154**	**ND<0.040**	**3.600**
Influent Before Dilution	08/13/2014	**540**	**0.066**	**0.42**	**0.34**	**1.8**	**0.12**	**ND<0.25**
Influent Before Dilution	09/04/2014	**1,900**	**ND<1.0**	**0.130**	**0.210**	**0.870**	**ND<2.0**	**1.10**
Influent Before Dilution	10/13/2014	**150**	**ND<0.500**	**ND<0.500**	**ND<0.500**	**ND<1.0**	**ND<1.0**	**2.20**
Influent Before Dilution	11/10/2014	**ND<5.0**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.25**
Influent Before Dilution	12/10/2014	**ND<5.0**	**ND<0.050**	**0.064**	**0.13**	**0.47**	**ND<0.050**	**ND<0.50**
Influent Before Dilution	01/23/2015	**ND<5.0**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.50**
Influent Before Dilution	02/20/2015	**97**	**ND<0.050**	**ND<0.050**	**0.21**	**0.55**	**ND<0.050**	**ND<0.50**
Influent Before Dilution	07/13/2015	**1,500**	**ND<0.010**	**ND<0.100**	**0.300**	**0.378**	**ND<0.040**	**0.590**
Influent Before Dilution	07/20/2015	**720**	**0.0074**	**ND<0.050**	**0.074**	**0.191**	**0.023**	**1.100**
Influent Before Dilution	07/27/2015	**710**	**ND<0.0025**	**ND<0.025**	**0.069**	**0.067**	**ND<0.010**	**0.091**

Notes:
[1] Total petroleum hydrocarbons analyzed in accordance with EPA Method No. 8015M modified for gasoline.
[2] Benzene, toluene, ethylbenzene, total xylenes, and fuel oxygenates analyzed in accordance with with EPA Method No. 8260B.
[3] PPMv = parts per million per volume

TABLE 6
SUMMARY OF EXTRACTION WELL VAPOR SAMPLING RESULTS
ALAMO CARWASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Sample Designation	Date Sampled	TPH [1] PPMv	Benzene [2] PPMv	Toluene [2] PPMv	Ethylbenzene [2] PPMv	Total Xylenes [2] PPMv	MTBE [2] PPMv	TBA [2] PPMv
VE1	05/10/2010	166	0.226	3.40	3.91	17.1	0.887	1.54
	10/15/2010	1,100	ND<0.10	0.80	2.0	15	ND<0.10	ND<0.50
	03/09/2011	ND<5.0	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.50
	06/11/2014	2.4	ND<0.0050	0.013	ND<0.0050	0.0234	ND<0.010	0.084
VE2	05/10/2010	51	0.070	0.786	1.04	5.21	1.61	3.23
	10/15/2010	820	ND<0.10	ND<0.10	0.071	0.35	ND<0.10	ND<0.50
	03/09/2011	ND<5.0	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.50
	06/11/2014	ND<1.5	ND<0.0050	0.014	ND<0.0050	0.0236	ND<0.010	ND<0.010
VE3	05/10/2010	609	0.804	2.33	4.22	19.19	1.54	2.48
	10/15/2010	13,000	1.0	25	16	44	ND<0.10	ND<0.50
	03/09/2011	120	ND<0.050	ND<0.050	0.071	0.099	ND<0.050	ND<0.50
	06/11/2014	28	ND<0.025	0.034	ND<0.025	0.133	ND<0.050	ND<0.050
	09/04/2014	290	ND<0.050	0.0020	0.074	0.151	ND<0.100	0.070
VE4	05/10/2010	1,040	6.36	20.2	15.7	86.5	1.34	1.32
	10/15/2010	1,100	ND<0.10	ND<0.10	ND<0.10	0.23	ND<0.10	ND<0.50
	03/09/2011	14	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.50
	06/11/2014	3.2	ND<0.0050	0.014	0.045	0.086	ND<0.010	ND<0.010
	09/04/2014	710	ND<0.250	0.0095	0.015	0.050	ND<0.500	0.038
VE5	05/10/2010	5,080	27.0	112	70.9	305	102	27.8
	10/15/2010	1,300	ND<0.10	0.10	0.32	3.0	ND<0.10	ND<0.50
	03/09/2011	17	ND<0.050	ND<0.050	ND<0.050	0.28	ND<0.050	ND<0.50
	06/11/2014	ND<1.5	ND<0.0050	0.014	ND<0.0050	0.014	ND<0.010	0.110
MW1	05/10/2010	3,750	7.07	91.7	66.8	262	26.8	27.2
	03/09/2011	60	0.13	0.42	0.13	0.69	0.11	ND<0.50
	06/11/2014	ND<1.5	ND<0.0050	0.017	ND<0.0050	ND<0.0050	ND<0.010	0.021
	09/04/2014	19	0.0026	0.038	0.029	0.167	ND<0.800	1.5
MW2	05/10/2010	216	0.883	5.16	5.68	28.84	3.11	8.71
	10/15/2010	11,000	ND<0.10	14	6.9	21	ND<0.10	ND<0.50
	03/09/2011	ND<5.0	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.50
	06/11/2014	3.1	ND<0.0050	0.015	ND<0.0050	ND<0.0050	0.037	ND<0.010
MW6	05/10/2010	68	0.119	1.24	1.81	9.16	5.16	1.51
	10/15/2010	450	ND<0.10	0.40	ND<0.10	1.2	ND<0.10	ND<0.50
	03/09/2011	ND<5.0	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.50
	06/11/2014	ND<1.5	ND<0.0050	0.012	ND<0.0050	ND<0.0050	0.048	ND<0.010

Notes:
[1] Total petroleum hydrocarbons analyzed in accordance with EPA Method No. 8015M modified for gasoline.
[2] Benzene, toluene, ethylbenzene, total xylenes, and fuel oxygenates analyzed in accordance with with EPA Method No. 8260B.
[3] PPMv = parts per million per volume

Table 7
Air Sparge System Data
Alamo Car Wash
784 North Nogales Street
Walnut, California

Date	Hour Meter	Difference From Previous Reading	Cumulative Total Operating Hours	Total Pressure (psi)	Comments
10/14/2010	0	0	0	--	Start-up Air Sparge System
10/19/2010	119	119	119	18	Monitor system operation parameters
10/27/2010	312	193	312	--	Monitor system operation parameters, turn off system
11/04/2010	312	0	312	--	System off
11/12/2010	314	2	314	--	Check / repair leaking wells, restart system
11/19/2010	478	164	478	--	Monitor system operation parameters
11/24/2010	603	125	603	--	Monitor system operation parameters
11/29/2010	648	45	648	--	Change vanes, grease motor, restart system
12/10/2010	905	257	905	--	Monitor system operation parameters
12/16/2010	1,056	151	1,056	--	Monitor system operation parameters
12/22/2010	1,196	140	1,196	--	Monitor system operation parameters
12/28/2010	1,340	144	1,340	--	Monitor system operation parameters
01/05/2011	1,344	4	1,344	--	Wellhead check, grase bolts, leak maintenance
01/13/2011	1,536	192	1,536	--	Replace pressure gage on AS-4, install temp. gage, grease blower, wellhead check, clean filter
01/21/2011	1,732	196	1,732	--	Wellhead check, leak maintenance
01/25/2011	1,821	285	1,821	--	Leak maintenance
02/04/2011	2,061	240	2,061	--	Monitor system operation parameters
02/09/2011	2,183	122	2,183	--	Monitor system operation parameters
02/15/2011	2,327	144	2,327	--	Monitor system operation parameters
02/24/2011	2,540	213	2,540	--	Grease blower
03/02/2011	2,684	144	2,684	--	Monitor system operation parameters
03/09/2011	2,852	168	2,852	--	Monitor system operation parameters
03/10/2011	2,865	13	2,865	--	Grease blower
03/16/2011	2,938	73	2,938	--	Monitor system operation parameters
03/22/2011	3,011	73	3,011	--	Grease blower
03/30/2011	3,111	100	3,111	--	Leak maintenance
04/06/2011	3,196	85	3,196	--	Wellhead check, leak maintenance
04/13/2011	3,287	91	3,287	--	Wellhead check
04/20/2011	3,394	107	3,394	--	Monitor system operation parameters
04/22/2011	3,441	47	3,441	--	Monitor system operation parameters
04/29/2011	3,442	1	3,442	11.5	Grease blower, install pressure gage
05/06/2011	3,606	164	3,606	11.5	Monitor system operation parameters
05/12/2011	3,746	140	3,746	11	Grease blower
05/20/2011	3,912	166	3,912	--	Monitor system operation parameters, shut down system

Notes:
-- = not recorded or analyzed
* = hours estimated

Table 8
Air Sparge Wellhead Data
Alamo Car Wash
784 North Nogales Street
Walnut, California

	AS1			AS2			AS3			AS4			AS5		
DATE	OPEN Yes/No	PRES. psi	FLOW scfm	OPEN Yes/No	PRES. psi	FLOW scfm	OPEN Yes/No	PRES. psi	FLOW scfm	OPEN Yes/No	PRES. psi	FLOW scfm	OPEN Yes/No	PRES. psi	FLOW scfm
10/14/2010	Yes	3	2	Yes	3	2	No	--	--	No	--	--	No	--	--
10/19/2010	Yes	2	2	Yes	14	2	No	--	--	No	--	--	No	--	--
10/27/2010	Yes	--	--	Yes	--	--	Yes	--	--	Yes	--	--	Yes	--	--
11/12/2010	Yes	5	3	Yes	3	3	Yes	5.5	3	Yes	2	3	Yes	7	3
11/19/2010	Yes	3	3	Yes	3	3	Yes	4	3	Yes	2	3	Yes	5	3
11/24/2010	Yes	3	3.5	Yes	3	3.5	Yes	4	3.5	Yes	2	4	Yes	4	3.5
11/29/2010	Yes	5.5	4	Yes	3	4	Yes	5	4	Yes	2	4	Yes	6.5	4
12/10/2010	Yes	--	4	Yes	3	4	Yes	4	4	Yes	2	4	Yes	5	4
12/16/2010	Yes	3	4	Yes	6.5	4	Yes	4	4	Yes	2	4	Yes	5	4
12/22/2010	Yes	3	3.5	Yes	6	3.5	Yes	4	4	Yes	2	4	Yes	5.5	4
12/28/2010	Yes	3	3.5	Yes	6.5	3.5	Yes	4	3.5	Yes	2	3.5	Yes	5	3.5
01/05/2011	Yes	7	3.5	Yes	8	3	Yes	5	3.5	Yes	2	3.5	Yes	7.5	3.5
01/13/2011	Yes	3.5	3.5	Yes	8	3.5	Yes	4	4	Yes	6	3.5	Yes	5	3.5
01/21/2011	Yes	3.5	3.5	Yes	7	3.5	Yes	4	3.5	Yes	4	3.5	Yes	4	3.5
01/25/2011	Yes	3.5	3.5	Yes	7.5	3.5	Yes	4.5	3.5	Yes	4	3.5	Yes	4	3.5
02/04/2011	Yes	4	3.5	Yes	7	3.5	Yes	4	3.5	Yes	4	3.5	Yes	5	3.5
02/09/2011	Yes	3.5	3.5	Yes	7	3.5	Yes	4	3.5	Yes	4	3.5	Yes	5	3.5
02/15/2011	Yes	3.5	3.5	Yes	7	3.5	Yes	4	3.5	Yes	4	3.5	Yes	5	3.5
02/24/2011	Yes	3.5	3.5	Yes	6.5	3.5	Yes	4	3.5	Yes	4.5	3.5	Yes	5.5	3.5
03/02/2011	Yes	3.5	3.5	Yes	6.5	3.5	Yes	4	3.5	Yes	4.5	3.5	Yes	5.5	3.5
03/09/2011	Yes	3.5	3.5	Yes	5.5	2.75	Yes	6	3	Yes	7	3	Yes	6.5	4
03/16/2011	Yes	6	3.5	Yes	7.5	3	Yes	6	3.5	Yes	5.5	3.5	Yes	7	3.5
03/22/2011	Yes	9	3	Yes	8	0	Yes	7.5	3	Yes	6.5	3	Yes	8.5	3
03/30/2011	Yes	6	2.75	Yes	8	2.75	Yes	7	2.75	Yes	5	2.75	Yes	5	2.75
04/06/2011	Yes	5.5	2.75	Yes	8	2.75	Yes	6.5	2.75	Yes	6	2.75	Yes	6.5	2.75
04/13/2011	Yes	5.5	2.75	Yes	8	2.75	Yes	6	2.75	Yes	6	2.75	Yes	6.5	2.75
04/20/2011	Yes	5	2.75	Yes	3	2.75	Yes	4.5	2.75	Yes	4.5	2.75	Yes	5.5	2.75
04/22/2011	Yes	5.5	2.75	Yes	3	2.75	Yes	5	2.75	Yes	4.5	2.75	Yes	6	2.75
04/29/2011	Yes	7	2.75	Yes	3	2.75	Yes	5.5	2.75	Yes	8	2.75	Yes	6.5	2.75
05/06/2011	Yes	6	2.75	Yes	3	2.75	Yes	6	2.75	Yes	5	2.75	Yes	5.5	2.75
05/12/2011	Yes	--	2.75	Yes	--	2.75	Yes	--	2.75	Yes	--	2.75	Yes	--	2.75
05/20/2011	Yes	6	2.75	Yes	8	0	Yes	7	2.75	Yes	6	2.75	Yes	6	2.75

Table 8
Air Sparge Wellhead Data
Alamo Car Wash
784 North Nogales Street
Walnut, California

	AS6			AS7			AS8			AS9		
DATE	OPEN Yes/No	PRES. psi	FLOW scfm	OPEN Yes/No	PRES. psi	FLOW scfm	OPEN Yes/No	PRES. psi	FLOW scfm	OPEN Yes/No	PRES. psi	FLOW scfm
10/14/2010	Yes	19.5	0	Yes	9.5	2	Yes	2	2	Yes	4	2
10/19/2010	Yes	20	2	Yes	4	2	Yes	4	2	Yes	4	2
10/27/2010	Yes	--	--	Yes	--	--	Yes	--	--	Yes	--	--
11/12/2010	Yes	8	3	Yes	6.5	3	Yes	3	3	Yes	5	3
11/19/2010	Yes	4	3	Yes	5	3	Yes	3	3	Yes	5	3
11/24/2010	Yes	4	3.5	Yes	4	4	Yes	3	4	Yes	4	3.5
11/29/2010	Yes	6	4	Yes	6.5	4	Yes	3	4	Yes	3.5	4
12/10/2010	Yes	5	4	Yes	4	4	Yes	3	4	Yes	4	4
12/16/2010	Yes	5	4	Yes	4	4	Yes	3	4	Yes	4.5	4
12/22/2010	Yes	5.5	4	Yes	4.5	4	Yes	3	4	Yes	4	3.5
12/28/2010	Yes	5.5	3.5	Yes	4	3.5	Yes	3	3.75	Yes	4	3.5
01/05/2011	Yes	7	3.5	Yes	6.5	3.5	Yes	3.5	4	Yes	7	3.5
01/13/2011	Yes	5	4	Yes	4.5	3.5	Yes	3	4	Yes	4.5	4
01/21/2011	Yes	5	3.5	Yes	4	3.5	Yes	1	3.5	Yes	5	3.5
01/25/2011	Yes	5	3.5	Yes	4	3.5	Yes	1	3.5	Yes	5	3.5
02/04/2011	Yes	5	3.5	Yes	4	3.5	Yes	1	3.5	Yes	4.5	3.5
02/09/2011	Yes	5	3.5	Yes	4	3.5	Yes	1	3.5	Yes	4.5	3.5
02/15/2011	Yes	5	3.5	Yes	4	3.5	Yes	1	3.5	Yes	4.5	3.5
02/24/2011	Yes	5	3.5	Yes	4	3.5	Yes	1	3.5	Yes	4.5	3.5
03/02/2011	Yes	5	3.5	Yes	4	3.5	Yes	1	3.5	Yes	4.5	3.5
03/09/2011	Yes	6	3.5	Yes	6.5	3.5	No	--	--	Yes	6	4
03/16/2011	Yes	11.5	3	Yes	9.5	3.5	No	--	--	Yes	9	3.5
03/22/2011	Yes	10.5	3	Yes	9.5	3	No	--	--	Yes	10	3
03/30/2011	Yes	9	2.5	Yes	9.5	2.75	No	--	--	Yes	9	2.75
04/06/2011	Yes	10	2.75	Yes	10.5	2.75	No	--	--	Yes	9	2.75
04/13/2011	Yes	10.5	2.75	Yes	11	2.75	No	--	--	Yes	12.5	0
04/20/2011	Yes	10	2.75	Yes	8.5	2.75	No	--	--	Yes	11.5	2
04/22/2011	Yes	10	2.75	Yes	8.5	2.75	No	--	--	Yes	11.5	2
04/29/2011	Yes	10	2.75	Yes	12	2.75	No	--	--	Yes	11.5	2
05/06/2011	Yes	12	2.75	Yes	5	2.75	No	--	--	Yes	11.5	2
05/12/2011	Yes	--	2.75	Yes	--	2.75	No	--	--	Yes	--	2
05/20/2011	Yes	12	0	Yes	9	2.75	No	--	--	Yes	12	2

Notes:
-- = not recorded or analyzed

TABLE 9
SUMMARY OF CHEMICAL ANALYSES OF WATER STREAM TO HVDPE SYSTEM
ALAMO CARWASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Sample Designation	Date Sampled	TPH [1] mg/L	Benzene [2] [3] mg/L	Toluene [2] [3] mg/L	Ethylbenzene [2] [3] mg/L	Total Xylenes [2] [3] mg/L	TBA [2] [3] mg/L	Chemical Oxygen Demand [4] mg/L	Total Suspended Solids [5] mg/L	Total Dissolved Solids [6] mg/L	pH [7]
Effluent of HVDPE system	07/13/2015	--	**ND<0.0005**	**ND<0.001**	**ND<0.001**	**ND<0.001**	--	**59**	**ND<1.0**	--	**7.67**
Influent of HVDPE system	07/28/2015	**ND<0.1**	**ND<0.0005**	**ND<0.001**	**ND<0.001**	**ND<0.001**	**0.140**	--	--	**1620**	--

Notes:
[1] Total petroleum hydrocarbons analyzed in accordance with EPA method no. 8015M modified for gasoline.
[2] Benzene, toluene, ethylbenzene, total xylenes, and fuel oxygenates analyzed in accordance with EPA method no. 624.
[3] Benzene, toluene, ethylbenzene, total xylenes, and fuel oxygenates analyzed in accordance with EPA method no. 8260B.
[4] Chemical oxygen demand analyzed in accordance with EPA method no. 410.4.
[5] Total suspended solids analyzed in accordance with SM no. 2540D.
[6] Total dissolved solids analyzed in accordance with SM no. 2540C.
[7] pH analyzed in accordance with SM 4500 H+B.

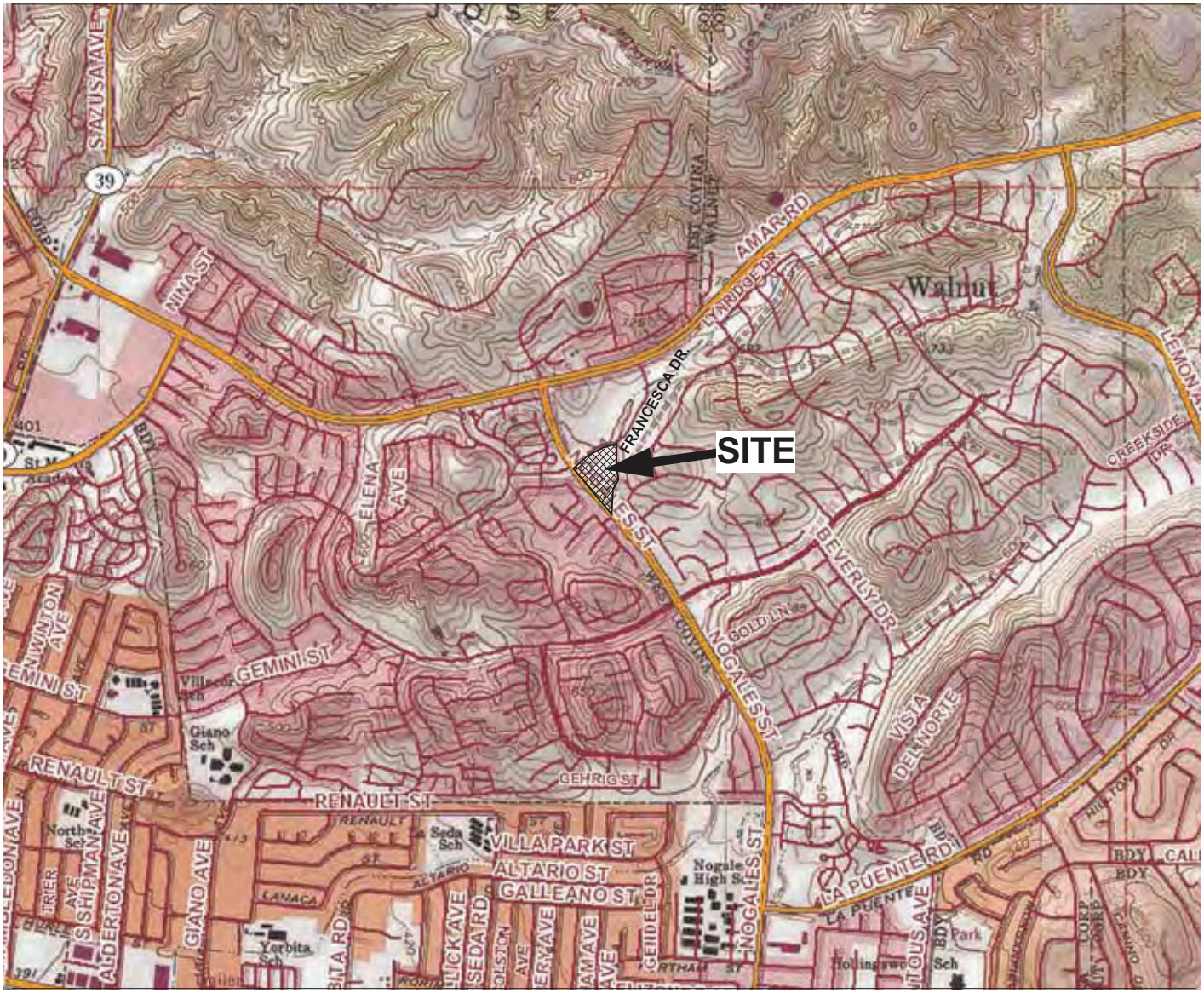
ug/L = micrograms per liter
-- = Not Analyzed

Table 10
SUMMARY OF WELL CONSTRUCTION DETAILS
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Well Designation	Installation Date	Well Diameter (inches)	Bottom of Boring (feet)	Top of Sand Pack (feet)	Screen Interval (feet)
MW1	07/15/2005	4	41.5	7	9-39
MW2	07/15/2005	4	41.5	6	8-38
MW3	07/15/2005	4	46.5	12	14-44
MW4	12/18/2006	4	41.5	7	9-39
MW5	12/19/2006	4	41.5	8	10-40
MW6	12/18/2006	4	41.5	8	10-40
MW7	12/19/2006	4	41.5	8	10-40
MW8	08/09/2007	4	41.5	8	10-40
MW9	04/07/2010	4	31.5	4	5-30
MW10	04/08/2010	4	31.5	3	4-29
MW11	04/08/2010	4	31.5	4	5-30
MW12	04/08/2010	4	31.5	4	5-30
MW13	04/07/2010	4	31.5	4	5-30
AS1	08/09/2007	2	23	19	20-22.5
AS2	08/09/2007	2	31	26	27.5-30
AS3	09/25/2007	2	26	18	19.5-22
AS4	09/25/2007	2	26	19	20-22.5
AS5	09/25/2007	2	26	19	20-22.5
AS6	09/25/2007	2	25	17.5	20-22.5
AS7	09/25/2007	2	24.5	18	20-22.5
AS8	09/25/2007	2	25	17.5	20-22.5
AS9	09/25/2007	2	26	18	19.5-22
VE1	08/09/2007	2	16.5	4	5-15
VE2	09/25/2007	2	16.5	4	5-15
VE3	09/25/2007	2	16.5	4	5-15
VE4	09/25/2007	2	17.5	4	5-15
VE5	09/25/2007	2	17.5	4	5-15

Notes:
[1] Depths measured in feet below ground surface.

FIGURES



NORTH

0 1/2 1

SCALE IN MILES

ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Client: **GERSTNER** Project No.: **159-11**

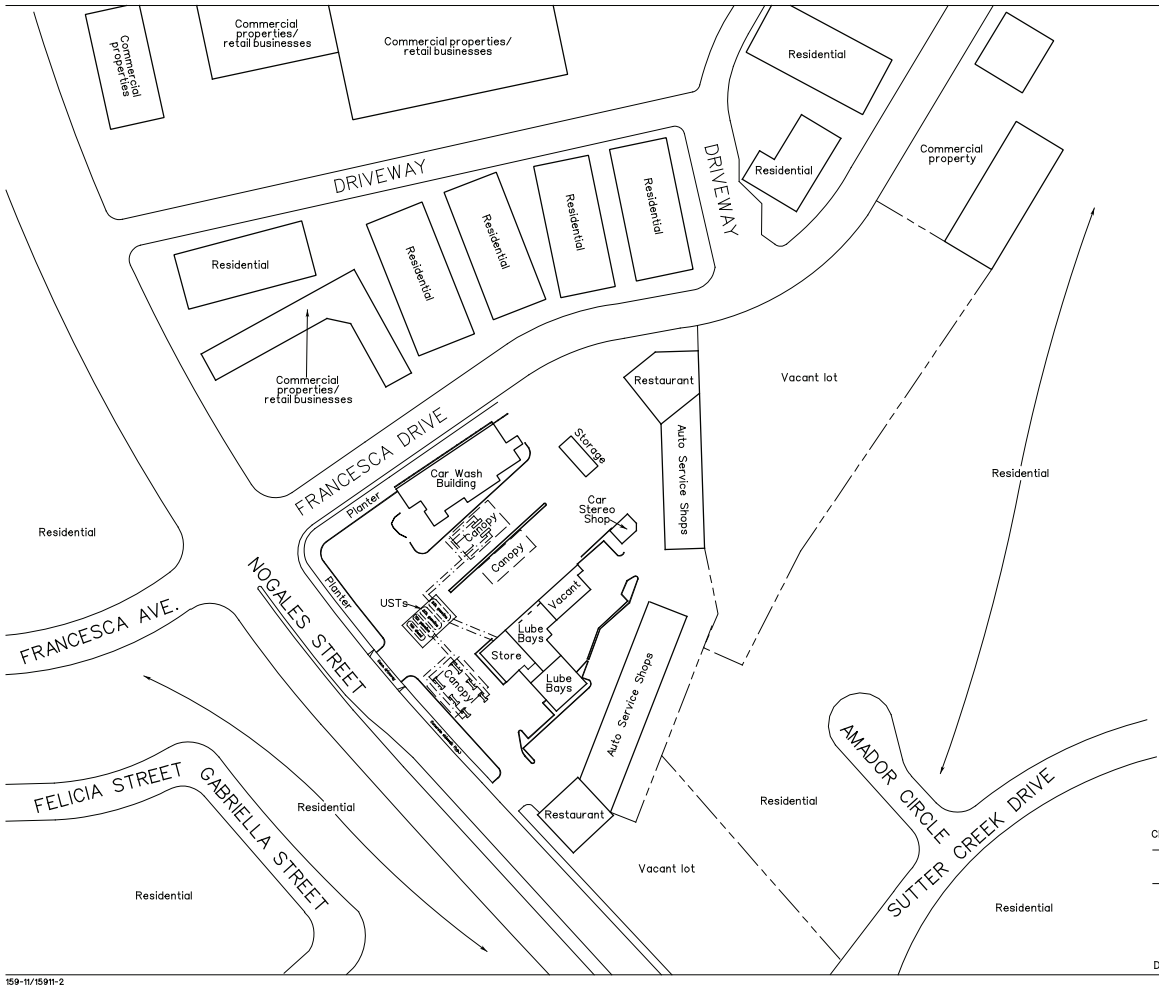
FREY ENVIRONMENTAL, INC.

NOTE:

1) All locations and dimensions are approximate.
2) Base map from USGS 7.5 minute Baldwin Park (1978, photorevised 1981), California topographic quadrangle.

SITE LOCATION MAP

Date: **JANUARY 2006** Figure: **1**



NOTES:

1) All locations and dimensions are approximate.
2) Base map from plan provided by Competrol, survey from RdM Surveying Inc. dated 11-04-05, and Assessor's Parcel Map County of Los Angeles (book 8735, sheet 26).
3) Groundwater monitoring well locations were surveyed by RdM Surveying Inc. on 11/04/2005, 02/02/2007, 09/07/2007, 11/15/2007, and 05/05/2010.

NORTH

0 100 200

SCALE IN FEET

ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

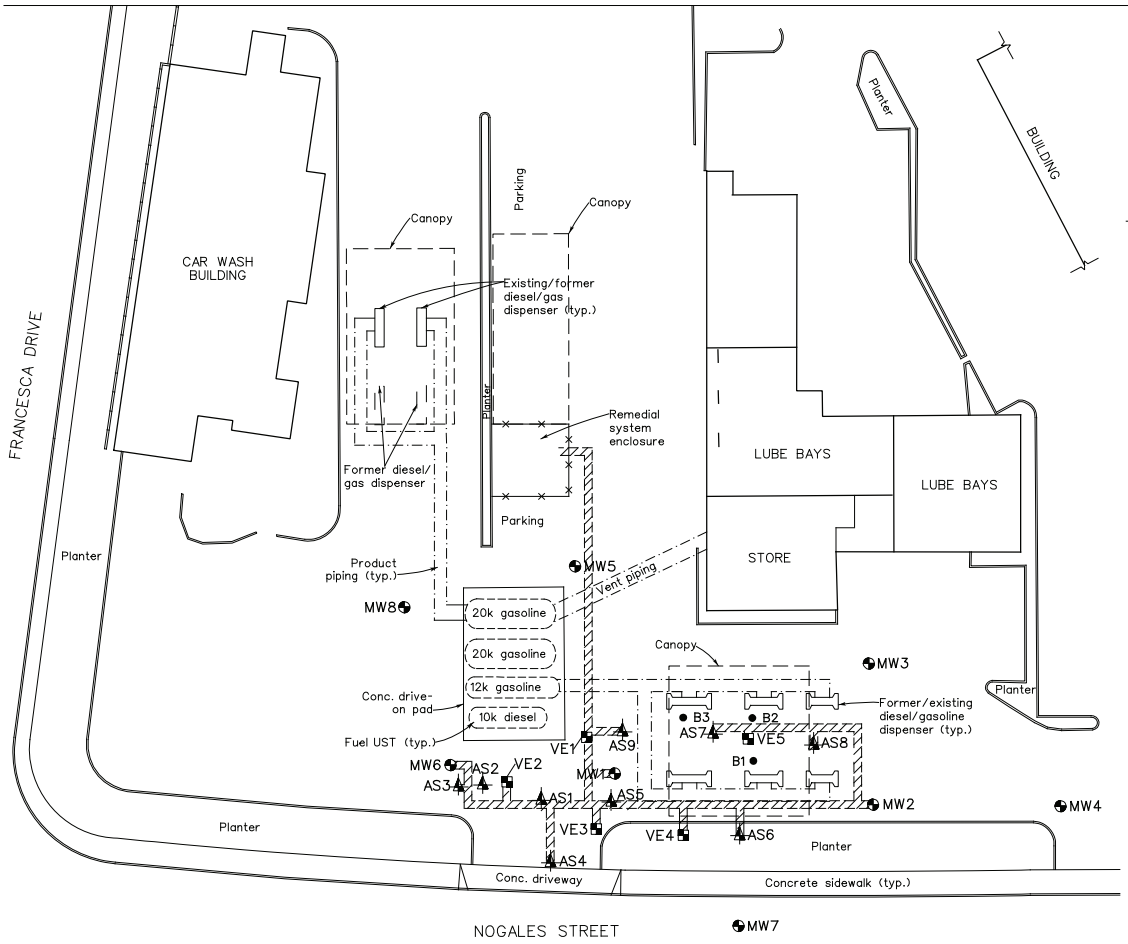
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE VICINITY SKETCH

Date: SEPTEMBER 2010 Figure 2

159-11/15911-2



EXPLANATION

● B1	SOIL BORING LOCATION
■ VE1	VAPOR EXTRACTION WELL LOCATION
▲ AS1	AIR SPARGE WELL LOCATION
◒ MW1	GROUNDWATER MONITORING WELL LOCATION
//////	REMEDIAL PIPING TRENCH LOCATION

NOTES:

1) All locations and dimensions are approximate.
2) Base map from plan provided by Competrol, survey from RdM Surveying Inc. dated 11-04-05, and Assessor's Parcel Map County of Los Angeles (book 8735, sheet 26).
3) Soil samples were taken by FREY Environmental, Inc. personnel.
4) Groundwater monitoring wells MW1 through MW3 were installed by FREY on July 14 and 15, 2005 and surveyed by RdM Surveying Inc. on 11-04-2005.
5) Groundwater monitoring wells MW4 through MW7 were installed by FREY on December 18 and 19, 2006 and surveyed by RdM Surveying, Inc. on 02-02-2007.
6) Wells AS1, AS2, VE1, and MW8 were surveyed by RdM Surveying Inc. on 09/07/2007.

NORTH

0 30 60

SCALE IN FEET

ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

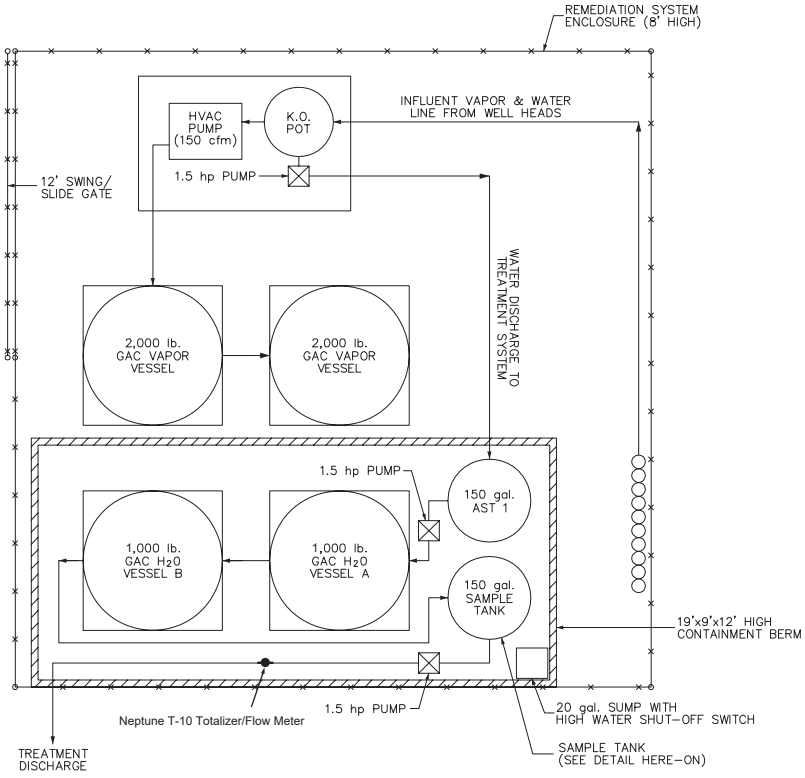
Client: GERSTNER Project No.: 159-11

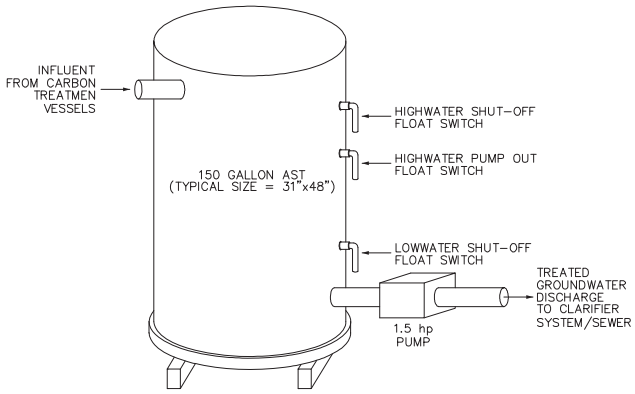
FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING AIR SPARGE, VAPOR EXTRACTION WELL, GROUNDWATER MONITORING WELL, REMEDIAL PIPING TRENCH, AND REMEDIAL SYSTEM ENCLOSURE LOCATIONS

Date: NOVEMBER 2009 Figure 3

159-11/15911-3.DGN





150 GALLON AST DETAIL

NOT TO SCALE

ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

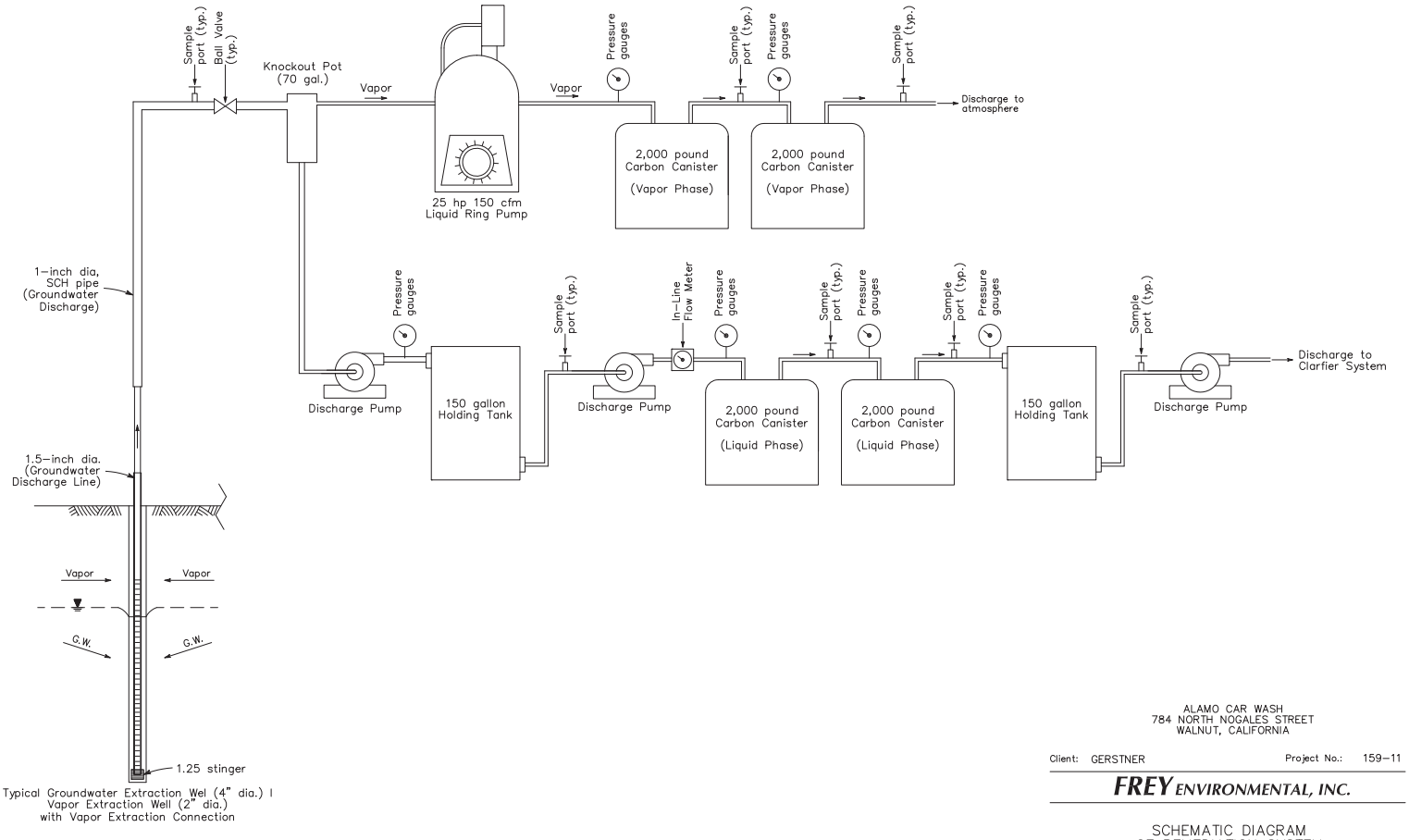
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

REMEDIATION SYSTEM DETAILS

Date: MARCH 2013 Figure 4

159-11-DTLS



Typical Groundwater Extraction Wel (4" dia.) I
Vapor Extraction Well (2" dia.)
with Vapor Extraction Connection

ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SCHEMATIC DIAGRAM
OF REMEDIATION SYSTEM

Date: OCTOBER 2014 Figure 5

159-11-SCHEM2

APPENDIX A

SCAQMD AND LACSD PERMITS

PERMIT TO CONSTRUCT/OPERATE

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

ID 167263

Legal Owner
or Operator: FREY ENVIRONMENTAL, INC.
2817-A LAFAYETTE AVE
NEWPORT BEACH, CA 92663

Equipment Location: 784 N NOGALES ST, WALNUT, CA 91789

Equipment Description :

SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM, FOR NON-HALOGENATED HYDROCARBONS IN-SITU SOIL REMEDIATION ONLY, CONSISTING OF:

1. SINGLE AND DUAL PHASE VAPOR EXTRACTION WELLS AND DUCTS.
2. WATER KNOCKOUT CHAMBER.
3. TWO CARBON ADSORBERS IN SERIES, CARBON RESOURCES, MODEL V-2000, WITH 2000 POUNDS OF GRANULAR ACTIVATED CARBON IN EACH ADSORBER.
4. EXTRACTION BLOWER, WITH MAXIMUM FLOW 300 SCFM.
5. EXHAUST STACK, MINIMUM 14'-0" H., WITH NO RAIN CAP.

Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. PRIOR TO OPERATING THIS EQUIPMENT UNDER WHICH THIS PERMIT IS GRANTED, THE OPERATOR SHALL NOTIFY SCAQMD BY SUBMITTING A RULE 1166 NOTIFICATION FORM WITH THE APPROPRIATE FEES AS PER THE FORM INSTRUCTIONS. THE NOTIFICATION INFORMATION SHALL INCLUDE:
   A. THE PERMIT NUMBER OF THE EQUIPMENT.
   B. THE NAME AND PHONE NUMBER OF A CONTACT PERSON.
   C. THE PROJECT START DATE AND THE ESTIMATED PROJECT COMPLETION DATE.

PERMIT TO CONSTRUCT/OPERATE

4. AN IDENTIFICATION TAG OR NAMEPLATE SHALL BE DISPLAYED ON THE EQUIPMENT TO SHOW MANUFACTURER, MODEL, SERIAL NUMBER AND FLOW RATING. THE TAG(S) OR PLATE(S) SHALL BE ISSUED BY THE MANUFACTURER AND SHALL BE AFFIXED TO THE EQUIPMENT IN A PERMANENT AND CONSPICUOUS POSITION.

5. CURRENT CONTACT PERSON NAME, COMPANY, AND PHONE NUMBER SHALL BE DISPLAYED IN A PERMANENT AND CONSPICUOUS POSITION.

6. UPON COMPLETION, ANY VAPOR EXTRACTION WELLS AND DUCTS SHALL BE CAPPED TO PREVENT VAPORS FROM VENTING TO THE ATMOSPHERE. VAPORS SHALL NOT BE EXTRACTED FROM THE SOIL UNLESS THEY ARE VENTED TO THE VAPOR CONTROL SYSTEM, WITH NO DETECTABLE LEAK BETWEEN THE OUTLET OF THE BLOWER AND THE OUTLET OF THE VAPOR CONTROL SYSTEM.

7. PRIOR TO CONNECTING ANY VAPOR EXTRACTION WELLS TO THE COLLECTION SYSTEM, THE COMPLETED WELLS SHALL BE CAPPED TO PREVENT VAPORS FROM VENTING TO THE ATMOSPHERE.

8. THE EXTRACTION BLOWER SHALL ONLY BE OPERATED WHEN ALL EXTRACTED VAPORS ARE VENTED TO TWO CARBON ADSORBERS CONNECTED IN SERIES WITH AT LEAST 4000 POUNDS OF TOTAL ACTIVATED CARBON.

9. THE TOTAL FLOW RATE AT THE SUCTION OF BLOWER SHALL NOT EXCEED 300 SCFM. A FLOW METER SHALL BE INSTALLED AND MAINTAINED AT THE INLET OF CARBON ADSORBTION SYSTEM TO INDICATE THE FLOW RATE IN STANDARD CUBIC FEET PER MINUTE. IN CASE A PRESSURE SENSING DEVICE IS USED IN PLACE OF THE FLOW INDICATOR, A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE FLOW RATE (IN SCFM) CORRESPONDING TO THE PRESSURE READING. THE FLOW RATE AT THE INLET TO THE VAPOR CONTROL SYSTEM SHALL BE MEASURED AND RECORDED AT LEAST ONCE WITH EACH MONITORING VISIT WHILE THE EQUIPMENT IS OPERATING.

10. A TEMPERATURE MEASURING DEVICE SHALL BE INSTALLED AT THE INLET OF THE CARBON ADSORPTION SYSTEM. THE TEMPERATURE AT THE INLET OF THE CARBON ADSORBERS SHALL NOT EXCEED 145 DEGREES F. TEMPERATURE SHALL BE RECORDED AT EACH MONITORING EVENT.

11. THE INLET CONCENTRATION OF VOLATILE ORGANIC COMPOUNDS TO THE CARBON ADSORPTION SYSTEM SHALL NOT EXCEED 1020 PPMV, AS HEXANE.

12. VOLATILE ORGANIC COMPOUNDS (VOC) CONCENTRATION SHALL BE MEASURED AT THE INLET AND OUTLET OF EACH ADSORBER AT LEAST ONCE A DAY FOR THE FIRST SEVEN DAYS AND THEN ACCORDING TO THE MONITORING SCHEDULE SHOWN BELOW, BY USING A FLAME IONIZATION DETECTOR (FID), PHOTOIONIZATION DETECTOR (PID), OR A SCAQMD APPROVED ORGANIC VAPOR ANALYZER CALIBRATED IN PARTS PER MILLION BY VOLUME (PPMV) AS HEXANE (IF OTHER CALIBRATING AGENT WAS USED, IT SHALL BE CORRELATED TO AND EXPRESSED AS HEXANE). PRIOR TO MONITORING, CALIBRATION OF THE INSTRUMENT SHALL BE PERFORMED USING EPA METHOD 21.

PERMIT TO CONSTRUCT/OPERATE

INLET VOC CONCENTRATION (PPMV AS HEXANE)	MONITORING FREQUENCY
1020 - 510	DAILY
509 - 340	2 DAYS
339 - 255	3 DAYS
254 - 204	4 DAYS
203 - 170	5 DAYS
169 - 145	6 DAYS
144 >	7 DAYS

13. SAMPLES SHALL BE COLLECTED AND ANALYZED, ONCE EACH MONTH OF OPERATION FOR VOLATILE ORGANIC COMPOUNDS AND SPECIATED FOR BENZENE, ETHYL BENZENE, AND METHYL TERTIARY BUTYL ETHER (MTBE) AS FOLLOWS:

A. SAMPLES SHALL BE COLLECTED AT THE INLET AND OUTLET OF THE CARBON ADSORPTION SYSTEM. (INLET TO THE FIRST ADSORBER & FINAL ADSORBER OUTLET TO ATMOSPHERE)

B. SAMPLING SHALL CONFORM TO CARB METHOD 422 OR EQUIVALENT. SAMPLES WITH HIGH MOISTURE SHALL BE COLLECTED USING AN APPROPRIATE METHOD SUCH AS SCAQMD METHOD 25.1/25.3 OR OTHER METHODS APPROVED BY SCAQMD.

C. SAMPLES SHALL BE ANALYZED BY EPA METHOD 8015 AND EPA METHOD 8260 OR OTHER METHODS APPROVED BY SCAQMD.

14. THE CONCENTRATIONS OF THE FOLLOWING COMPOUNDS MEASURED AT THE OUTLET OF THE VAPOR CONTROL SYSTEM (EXHAUST TO ATMOSPHERE) SHALL NOT EXCEED THE FOLLOWING:

CHEMICAL NAME	OUTLET CONCENTRATION IN PPMV
VOC AS HEXANE	10.20
BENZENE (INCLUDING BENZENE FROM GASOLINE)	0.30
METHYL TERTIARY-BUTYL ETHER	0.80
ETHYL BENZENE	0.50

THE LAB DETECTION LIMIT SHALL BE LOWER THAN THE EMISSION LIMIT SPECIFIED IN THE ABOVE CONDITIONS.

15. VAPOR EXTRACTED OR TREATED BY THIS EQUIPMENT SHALL NOT CONTAIN ANY OTHER CARCINOGENIC AIR CONTAMINANTS AS LISTED IN TABLE I, UNDER RULE 1401, AMENDED SEPTEMBER 10, 2010 WITH THE EXCEPTION OF BENZENE (INCLUDING BENZENE FROM GASOLINE), ETHYL BENZENE, AND METHYL TERTIARY-BUTYL ETHER.

PERMIT TO CONSTRUCT/OPERATE

16. WHENEVER THE VOC CONCENTRATION AT THE OUTLET OF THE PRIMARY ADSORBER INDICATES A CONTROL EFFICIENCY OF LESS THAN 90 PERCENT AND REACHES 50 PPMV, AS HEXANE, THEN THE CARBON SHALL BE REPLACED AS FOLLOWS:

    A. ALL THE CARBON IN PRIMARY ADSORBER SHALL BE REPLACED WITH CARBON FROM SECONDARY ADSORBER.

    B. CARBON IN SECONDARY ADSORBER SHALL BE REPLACED WITH FRESH CARBON.

17. THE ACTIVATED CARBON USED IN THE ADSORBERS SHALL HAVE A CARBON TETRACHLORIDE ACTIVITY NUMBER (CTC) OF NOT LESS THAN 60% AS MEASURED BY ASTM METHOD D3467-99 OR A BUTANE ACTIVITY NUMBER OF NOT LESS THAN 23.5% AS MEASURED BY ASTM METHOD 5228-02.

18. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE STORED IN CLOSED CONTAINERS PRIOR TO DISPOSAL OR REGENERATION. IF DISPOSED, DISPOSAL SHALL BE IN ACCORDANCE WITH HAZARDOUS MATERIALS RULES AND REGULATIONS.

19. THE EXIT TO THE EXHAUST STACK SHALL HAVE A MINIMUM OF 14'-0" ABOVE GRADE AND NO RAIN CAP.

20. THE OPERATOR SHALL SUBMIT TO THE SCAQMD IN WRITING THE RESULTS OF THE FIRST MONTH OF OPERATING RECORDS, INCLUDING BUT NOT LIMITED TO, MONITORING DATA, LAB ANALYSIS, AND FLOW READINGS, TO PROVE COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT. SUBMITTAL SHALL BE WITHIN 45 DAYS OF STARTUP AND ADDRESSED TO:

    ATUL KANDHARI
    SCAQMD
    REFINERY AND WASTE MANAGEMENT PERMITTING
    ENGINEERING AND COMPLIANCE
    21865 COPLEY DRIVE
    DIAMOND BAR, CA 91765

21. THIS PERMIT SHALL EXPIRE IF CONSTRUCTION OF THIS EQUIPMENT IS NOT COMPLETE WITHIN ONE YEAR FROM THE DATE OF ISSUANCE OF THIS PERMIT UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.

22. ALL RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH THESE CONDITIONS. RECORDS SHALL BE KEPT FOR AT LEAST TWO YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.

PERMIT TO CONSTRUCT/OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Dorris M.Bailey/AK07
8/26/2011

SANITATION DISTRICTS OF LOS ANGELES COUNTY

INDUSTRIAL WASTE SECTION
1955 Workman Mill Road
Whittier, CA 90601
P.O. Box 4998
Whittier, CA 90607-4998
(562) 699-7411 Ext. 2900
FAX: (562) 908-4224

SANITATION DISTRICTS OF LOS ANGELES COUNTY
INDUSTRIAL WASTEWATER DISCHARGE PERMIT DATA SHEET

SECTION 1: *General Information*

Permit Number	21268	Facility ID	9247192
Facility Name	FREY Environmental, Inc.	Parcel Number	8735-026-052
Facility Address	784 Nogales Street Walnut, CA 91789	District Number	21
		Thomas Bros. Grid	639/B7
Facility Permit Contact	Sawyer Jones	Number of Employees	1
Telephone Number	949-723-1645		

Local Agency	Los Angeles County Department of Public Works
Agency Address	900 S. Fremont Avenue Alhambra, CA 91803

SECTION 2: *Permit Status*

Industrial Waste Discharge Permit Status	APPROVED
Approval Date	August 29, 2013
Expiration Date	August 28, 2015

SECTION 3: *Flow Stream Information*

Name	Type	Direction	Federal Regulation	Local Regulation
Sample Point: 21268A				
IW from groundwater remediation system (GAC)	Process Flow	Outgoing	403	Groundwater Remediation

Flow Stream Regulatory Notes:

Federal Regulation: 40 CFR Part 403 General Pretreatment Regulations

Local Regulation: Groundwater Remediation

SECTION 4: *Sample Point Information*

Name	Description	Location Status	Location Type	Location Category
21268A	Proposed 150-gallon sample tank immediately downstream of the GAC vessels in the GW pretreatment area	Active-IW-Permit Required	Final Effluent	Noncategorical Significant

Point of Connection to Sewer: Private line of commercial area that connects directly to LACSD's trunk sewer in Nogales Street

Physical Location: 784 Nogales Street, Walnut, CA 91789

SECTION 5: *Self Monitoring Report (SMR) Requirements*

Sample Location: 21268A (Proposed 150-gallon sample tank immediately downstream of the GAC vessels in the GW pretreatment area)

SMR Requirement	Frequency	Sample Method	Units
COD, Total	Semiannually	Composite	mg/L
methyl-tert-butyl-Ether	Semiannually	Grab	ug/L
Oil & Grease	Semiannually	Composite	mg/L
pH	Semiannually	Grab	S.U.
Solids, Suspended	Semiannually	Composite	mg/L
Sulfide, Soluble	Semiannually	Grab	mg/L
TTO, Semi-Volatile			
1,2,4-Trichlorobenzene	Semiannually	Grab	ug/L
1,2-Diphenylhydrazine	Semiannually	Grab	ug/L
2,4,6-Trichlorophenol(Organic-BNA)	Semiannually	Grab	ug/L
2,4-Dichlorophenol (Organic-BNA)	Semiannually	Grab	ug/L
2,4-Dimethylphenol (Organic-BNA)	Semiannually	Grab	ug/L
2,4-Dinitrophenol	Semiannually	Grab	ug/L
2,4-Dinitrotoluene	Semiannually	Grab	ug/L
2,6-Dinitrotoluene	Semiannually	Grab	ug/L
2-Chloronaphthalene	Semiannually	Grab	ug/L
2-Chlorophenol (Organic BNA)	Semiannually	Grab	ug/L
2-methyl-4,6Dinitrophenol	Semiannually	Grab	ug/L
2-Nitrophenol	Semiannually	Grab	ug/L
3,3-Dichlorobenzidine	Semiannually	Grab	ug/L
4-bromophenyl Phenylether	Semiannually	Grab	ug/L
4-chloro-3-Methylphenol (Organic-BNA)	Semiannually	Grab	ug/L
4-Chlorophenylphenylether	Semiannually	Grab	ug/L
4-Nitrophenol	Semiannually	Grab	ug/L
Acenaphthene	Semiannually	Grab	ug/L
Acenaphthylene	Semiannually	Grab	ug/L

Anthracene	Semiannually	Grab	ug/L
Benzidine	Semiannually	Grab	ug/L
Benzo(a)anthracene	Semiannually	Grab	ug/L
Benzo(a)pyrene	Semiannually	Grab	ug/L
Benzo(b)fluoranthene	Semiannually	Grab	ug/L
Benzo(g.h.i.)perylene	Semiannually	Grab	ug/L
Benzo(k)fluoranthene	Semiannually	Grab	ug/L
Bis(2-chloroethyl)ether	Semiannually	Grab	ug/L
Bis(2-cl-ethoxy)methane	Semiannually	Grab	ug/L
Bis(2-cl-isopropyl)ether	Semiannually	Grab	ug/L
bis(2-ethylhexyl) Phthalate	Semiannually	Grab	ug/L
butylbenzyl Phthalate	Semiannually	Grab	ug/L
Chrysene	Semiannually	Grab	ug/L
di-n-butyl Phthalate	Semiannually	Grab	ug/L
di-n-octyl Phthalate	Semiannually	Grab	ug/L
dibenzo(a,h)Anthracene	Semiannually	Grab	ug/L
diethyl Phthalate	Semiannually	Grab	ug/L
dimethyl Phthalate	Semiannually	Grab	ug/L
Fluoranthene	Semiannually	Grab	ug/L
Fluorene	Semiannually	Grab	ug/L
Hexachlorobenzene	Semiannually	Grab	ug/L
Hexachlorobutadiene	Semiannually	Grab	ug/L
Hexachlorocyclopentadiene	Semiannually	Grab	ug/L
Hexachloroethane	Semiannually	Grab	ug/L
Indeno(1,2,3-c,d)Pyrene	Semiannually	Grab	ug/L
Isophorone	Semiannually	Grab	ug/L
n-Nitrosodi-n-Propylamine	Semiannually	Grab	ug/L
n-Nitrosodimethylamine	Semiannually	Grab	ug/L
n-Nitrosodiphenylamine	Semiannually	Grab	ug/L
Naphthalene	Semiannually	Grab	ug/L
Nitrobenzene	Semiannually	Grab	ug/L
Pentachlorophenol (Organic-BNA)	Semiannually	Grab	ug/L
Phenanthrene	Semiannually	Grab	ug/L
Phenol	Semiannually	Grab	ug/L
Pyrene	Semiannually	Grab	ug/L
TTO, Volatile			
1,1,1-Trichloroethane	Semiannually	Grab	ug/L
1,1,2,2-Tetrachloroethane	Semiannually	Grab	ug/L
1,1,2-Trichloroethane	Semiannually	Grab	ug/L
1,1-Dichloroethane	Semiannually	Grab	ug/L
1,1-Dichloroethene	Semiannually	Grab	ug/L
1,2-Dichloroethane	Semiannually	Grab	ug/L
1,2-Dichloropropane	Semiannually	Grab	ug/L
2-Chloroethylvinylether	Semiannually	Grab	ug/L
Benzene	Semiannually	Grab	ug/L

Bromodichloromethane	Semiannually	Grab	ug/L
Bromoform	Semiannually	Grab	ug/L
Bromomethane	Semiannually	Grab	ug/L
Carbon Tetrachloride	Semiannually	Grab	ug/L
Chlorobenzene	Semiannually	Grab	ug/L
Chloroethane	Semiannually	Grab	ug/L
Chloroform	Semiannually	Grab	ug/L
Chloromethane	Semiannually	Grab	ug/L
cis-1,3-Dichloropropene	Semiannually	Grab	ug/L
Dibromochloromethane	Semiannually	Grab	ug/L
Ethyl Benzene	Semiannually	Grab	ug/L
m-Dichlorobenzene	Semiannually	Grab	ug/L
Methylene Chloride	Semiannually	Grab	ug/L
o-Dichlorobenzene	Semiannually	Grab	ug/L
p-Dichlorobenzene	Semiannually	Grab	ug/L
Tetrachloroethylene	Semiannually	Grab	ug/L
Toluene	Semiannually	Grab	ug/L
trans-1,2-Dichloroethylene	Semiannually	Grab	ug/L
trans-1,3-Dichloropropene	Semiannually	Grab	ug/L
Trichloroethylene	Semiannually	Grab	ug/L
Vinyl Chloride	Semiannually	Grab	ug/L

Beginning date of next required SMR reporting period: July 01, 2013

SECTION 6: *Substance Limits*

Sample Location: 21268A (Proposed 150-gallon sample tank immediately downstream of the GAC vessels in the GW pretreatment area)

Substance Name	Regulation	Sample Method	At Any Time Maximum	At Any Time Minimum	Daily Avgerage Maximum	Avgerage Maximum
pH	Federal	Composite		5.0 S.U.		
pH	Federal	Grab		5.0 S.U.		
pH	Local	Composite		6.0 S.U.		
pH	Local	Grab		6.0 S.U.		
Flash Point	Federal	Composite		60 Deg. C		
Flash Point	Federal	Grab		60 Deg. C		
Flash Point	Local	Composite		60 Deg. C		
Flash Point	Local	Grab		60 Deg. C		
Temperature	Local	Grab	140 Deg. F			
Solids, Suspended			No Limit			
Solids, Total Dissolved			No Limit			
Total Cyanide	Local	Composite	10 mg/L			
Total Cyanide	Local	Grab	10 mg/L			
Sulfide, Soluble	Local	Grab	0.1 mg/L			
Chloride			No Limit			
COD, Total			No Limit			

Oil & Grease			No Limit			
Total Detectable DDT	Local	Composite	0 ug/L			
Total Detectable DDT	Local	Grab	0 ug/L			
Aldrin	Local	Composite	0 ug/L			
Aldrin	Local	Grab	0 ug/L			
Dieldrin	Local	Composite	0 ug/L			
Dieldrin	Local	Grab	0 ug/L			
Endrin	Local	Composite	0 ug/L			
Endrin	Local	Grab	0 ug/L			
Toxaphene	Local	Composite	0 ug/L			
Toxaphene	Local	Grab	0 ug/L			
Total Detectable PCBs	Local	Composite	0 ug/L			
Total Detectable PCBs	Local	Grab	0 ug/L			
Total HCH	Local	Composite	0 ug/L			
Total HCH	Local	Grab	0 ug/L			
Total Detected Chlordanes	Local	Composite	0 ug/L			
Total Detected Chlordanes	Local	Grab	0 ug/L			
methyl-tert-butyl-Ether	Local	Composite	5 ug/L			
methyl-tert-butyl-Ether	Local	Grab	5 ug/L			
Arsenic, Total	Local	Composite	3 mg/L			
Arsenic, Total	Local	Grab	3 mg/L			
Cadmium, Total	Local	Composite	15 mg/L			
Cadmium, Total	Local	Grab	15 mg/L			
Chromium, Total	Local	Composite	10 mg/L			
Chromium, Total	Local	Grab	10 mg/L			
Copper, Total	Local	Composite	15 mg/L			
Copper, Total	Local	Grab	15 mg/L			
Lead, Total	Local	Composite	40 mg/L			
Lead, Total	Local	Grab	40 mg/L			
Nickel, Total	Local	Composite	12 mg/L			
Nickel, Total	Local	Grab	12 mg/L			
Silver, Total	Local	Composite	5 mg/L			
Silver, Total	Local	Grab	5 mg/L			
Zinc, Total	Local	Composite	25 mg/L			
Zinc, Total	Local	Grab	25 mg/L			
TTO, Volatile	Local	Composite	1000 ug/L			
TTO, Volatile	Local	Grab	1000 ug/L			
TTO, Semi-Volatile	Local	Composite	1000 ug/L			
TTO, Semi-Volatile	Local	Grab	1000 ug/L			

** Indicates a 4 Day Average Limit

Summary Substances and Their Constituent Substances - No Limits on Constituents Unless Listed Above		
Sample Location: 21268A		
Summary Substance: Total Detectable DDT		
p,p'-DDE	p,p'-DDD	p,p'-DDT

Summary Substance: **Total Detectable PCBs**		
Aroclor 1242	Aroclor 1254	Aroclor 1016
Aroclor 1221	Aroclor 1232	Aroclor 1248
Aroclor 1260		
Summary Substance: **TTO, Volatile**		
Methylene Chloride	Chloroform	1,1,1-Trichloroethane
Carbon Tetrachloride	1,1-Dichloroethene	Trichloroethylene
Tetrachloroethylene	Bromodichloromethane	Dibromochloromethane
Bromoform	Chlorobenzene	Vinyl Chloride
o-Dichlorobenzene	m-Dichlorobenzene	p-Dichlorobenzene
1,1-Dichloroethane	1,1,2-Trichloroethane	1,2-Dichloroethane
Benzene	Toluene	Ethyl Benzene
trans-1,2-Dichloroethylene	Bromomethane	Chloroethane
2-Chloroethylvinylether	Chloromethane	1,2-Dichloropropane
cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,1,2,2-Tetrachloroethane
Summary Substance: **TTO, Semi-Volatile**		
Acenaphthene	Acenaphthylene	Anthracene
Benzidine	Benzo(a)anthracene	Benzo(a)pyrene
Benzo(b)fluoranthene	Benzo(g.h.i.)perylene	Benzo(k)fluoranthene
Bis(2-cl-ethoxy)methane	Bis(2-chloroethyl)ether	Bis(2-cl-isopropyl)ether
bis(2-ethylhexyl) Phthalate	4-bromophenyl Phenylether	butylbenzyl Phthalate
2-Chloronaphthalene	4-Chlorophenylphenylether	Chrysene
dibenzo(a,h)Anthracene	3,3-Dichlorobenzidine	diethyl Phthalate
dimethyl Phthalate	di-n-butyl Phthalate	2,4-Dinitrotoluene
2,6-Dinitrotoluene	di-n-octyl Phthalate	1,2-Diphenylhydrazine
Fluoranthene	Fluorene	Hexachlorobenzene
Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane
Indeno(1,2,3-c,d)Pyrene	Isophorone	Naphthalene
Nitrobenzene	n-Nitrosodimethylamine	n-Nitrosodi-n-Propylamine
Phenanthrene	Pyrene	2-Chlorophenol (Organic BNA)
1,2,4-Trichlorobenzene	2,4-Dichlorophenol (Organic-BNA)	2,4-Dimethylphenol (Organic-BNA)
2,4-Dinitrophenol	2-methyl-4,6Dinitrophenol	2-Nitrophenol
4-Nitrophenol	4-chloro-3-Methylphenol (Organic-BNA)	Pentachlorophenol (Organic-BNA)
Phenol	2,4,6-Trichlorophenol(Organic-BNA)	n-Nitrosodiphenylamine

SECTION 7: *Flow Limits*

Sample Location: 21268A (Proposed 150-gallon sample tank immediately downstream of the GAC vessels in the GW pretreatment area)

Limit Type	Flow Data Type	Start Time	End Time	Flow Limit Value	Flow Units
Daily Average Flow Limit	Average			2880	GPD
5-minute Peak Flow Limit	Maximum			10	gpm

SECTION 8: *Pretreatment Equipment/Process*

Pretreatment Process Name:	Groundwater treatment & monitoring
Equipment Name	**Equipment Type**
T-10 Totalizer/Flow Meter	Positive Displacement Meter
Carbon Filters (GAC)	Pretreatment

SECTION 9: *Program Requirements*

Program Name	Status	Due Date	Approved Date	Plan Name
Flow Meter	Approved - Active		8/27/2013	Flow Measurement

SECTION 10: *Submissions/Completions Requirements*

Required Submissions/Completions	Due Date
Submit Calibration Report	12/29/2013

Except as directed in permit requirement statements, all submissions and notifications of completions should be mailed to:

County Sanitation Districts of Los Angeles County
Industrial Waste Section
Philip Robeniol
P.O. Box 4998
Whittier, CA 90607-4998

Permit related questions should be directed to:

Philip Robeniol
562-908-4288 Ext. 2925
probeniol@lacsd.org

Flow Monitoring questions should be directed to:

David Sonboli
(562) 699-7411 Ext. 2962
dsonboli@lacsd.org

SELF-MONITORING REPORTING SCHEDULE

Permittees required to submit self-monitoring reports per Section 5 of this Permit Data Sheet are subject to the following schedule:

SELF-MONITORING REPORTING SCHEDULE[1]		
Analysis Frequency	**Reporting Period**	**Due Date[2]**
Annually	July 1 - June 30	July 15 (the following year)
Semi-annually	January 1 - June 30 July 1 - December 31	July 15 January 15
Quarterly	January 1 - March 31 April 1 - June 30 July 1 - September 30 October 1 - December 31	April 15 July 15 October 15 January 15
Monthly	Day 1 - Day 31 of the month	Day 15 (the following month)

[1]The laboratory data sheet(s) for each analysis performed during the reporting period must be included with the Self - monitoring Report form. However, only the results from the most recent sample collected during the reporting period should be recorded on the Self-monitoring Report form.

[2]The Self-monitoring Report form may be submitted before the due date as long as the sample is taken during the appropriate reporting period.

SURCHARGE TEST REQUIREMENTS

Industrial users participating in the Sanitation Districts' Surcharge Program may be subject to additional self-monitoring requirements besides those specified in the permit conditions. Surcharge testing parameters include Chemical Oxygen Demand (COD) and suspended solids (SS). For companies that file Long Form Surcharge Statements, the testing frequency for COD and SS is based on flow as shown in the table below. Surcharge wastewater analyses must adequately represent the average daily discharge to the sewer system and the results must be submitted annually with the wastewater treatment surcharge statement in accordance with each year's "Instruction for Filing a Long Form Wastewater Treatment Surcharge Statement." **Surcharge test requirements are independent of the self-monitoring report requirements**.

SURCHARGE TESTING FREQUENCY FOR COD AND SS (Must be 24-hour Composite Samples)	
Yearly Cumulative Flow from Each Outlet (in million gallons)	**Required Testing Frequency**
Less than 15.00	1 sample per 3 months
15.01 to 40.00	1 sample per 2 months
40.01 to 100.00	2 samples per month
100.01 to 250.00	1 sample per week
More than 250.00	2 samples per week

APPENDIX B

RWQCB DIRECTIVE LETTER ON JULY 1, 2015

California Water Boards

Edmund G. Brown Jr.
Governor

Matthew Rodriguez
Secretary for Environmental Protection

Los Angeles Regional Water Quality Control Board

July 1, 2015

Mr. Dan Gerstner
Alamo Car Wash
P.O. Box 545
San Gabriel, CA 91778

DIRECTIVE TO TAKE CORRECTIVE ACTION IN RESPONSE TO UNAUTHORIZED UNDERGROUND STORAGE TANK RELEASE PURSUANT TO HEALTH AND SAFETY CODE SECTION 25296.10 AND TITLE 23, CALIFORNIA CODE OF REGULATIONS, SECTIONS 2720-2727
ALAMO CAR WASH
784 NORTH NOGALES STREET, WALNUT (FILE NO. R-15014)

Dear Mr. Gerstner:

Pursuant to Health and Safety Code section 25296.10, you are required to take corrective action (i.e., Preliminary Site Assessment, Soil and Water Investigation, Corrective Action Plan Implementation, and Verification Monitoring) to ensure protection of human health, safety, and the environment. Corrective action requirements are set forth in California Code of Regulations (CCR), title 23, sections 2720 through 2727.

Thank you for your submission of the "Workplan Additional Subsurface Soil and Down Gradient Groundwater Assessment" dated May 13, 2015, and "Workplan Vapor Extraction Remediation Rebound Testing and Post Remediation Soil Borings" dated May 11, 2015, prepared by your consultant, the FREY Environmental, Inc. (FREY), for the above-referenced site (Site). We have reviewed the workplans and have the following comments.

Site Assessment Workplan (Per CCR, §2726)

Your consultant, Frey, proposes to install one down-gradient monitoring well (MW-14) to further investigate the extent of hydrocarbon-impacted groundwater beneath the site. Soil boring MW-14 will be advanced to a depth of approximately 31.5 feet below ground surface (bgs). The borings will be advanced using a truck-mounted drill rig equipped with 10.75-inch diameter hollow stem augers. Based on the information submitted, we concur with implementation of the workplan provided the following conditions are met:

1. Soil samples shall be collected at a minimum of five-foot intervals, at changes in soil lithology, and at areas of obvious contamination. Soil samples must be logged for geologic purposes and preserved per **EPA Method 5035**. All soil samples collected must be field screened for petroleum hydrocarbons using either a Photo Ionization Detector or a Flame Ionization Detector.

2. Soil and groundwater samples must be analyzed by Cal-LUFT GC/FID or Cal-LUFT GC/MS Method for total petroleum hydrocarbons as gasoline (TPH_G), total petroleum hydrocarbons as diesel (TPH_D) when diesel is identified at the site; and by EPA Method 8260B for benzene, toluene, ethylbenzene and xylenes (BTEX), naphthalene, and fuel oxygenate compounds including methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA). Ethanol is also required and shall be analyzed by either method above. The analytical detection limits must conform to the Regional Board General Laboratory Testing Requirements (9/06) (http://www.waterboards.ca.gov/losangeles/publications_forms/forms/ust/lab_forms/labreq 9-06.pdf). All respective analytical methods must be certified by the California Environmental Laboratory Accreditation Program (ELAP). All analytical data must be reported by a California-certified laboratory.

3. Prior to consideration of case closure, responsible party must analyze at least one round of groundwater samples including all common aromatic and chlorinated volatile organic compounds per EPA Method 8260B. If the site has a waste oil tank, the full suite of aromatic and chlorinated analytes must be tested and reported per EPA Method 8260B.

4. The construction, development, and abandonment of groundwater monitoring wells must comply with requirements prescribed in the California Well Standards (Bulletin 74-90), published by the California Department of Water Resources (http://www.dpla2.water.ca.gov/publications/groundwater/CA_Well_Standards_Bulletin7 4-90_1991.pdf).

5. The groundwater monitoring wells must be developed and surveyed to a benchmark of known elevation above mean sea level by a licensed land surveyor or registered civil engineer.

6. Upon the completion of this proposed assessment, you are required to submit the investigation report in the next semi-annual groundwater monitoring report.

Rebound Testing and Post Remediation Soil Borings Workplan (Per CCR, §2726)

Active remediations (vapor extraction and air sparge, high vacuum dual phase extraction) had been conducted at the Site from May 2010 to December 2014. Approximately 1,274 pounds of vapor-phase hydrocarbons and 173,814 gallons of groundwater have been removed from beneath the Site. Therefore, your consultant, FREY proposes to conduct a High Vacuum Dual Phase Extraction Rebound Test and Post Remediation Soil Assessment to assess the remaining petroleum hydrocarbon concentrations in soil vapor beneath the Site; evaluate post-remediation petroleum hydrocarbon concentrations in soil beneath the Site in the area of the former USTs and fuel dispenser islands, and demonstrate that cleanup objectives for concentrations of petroleum hydrocarbons in soil and soil vapor have been achieved. We concur with implementation of the workplan provided the following conditions are met:

1. Shutdown the system for a period of one month. Re-start the system and collect influent samples at the following frequencies: 1 day, 7 days, and every two weeks until two consecutive concentrations are at non-detect or asymptotic levels for all gasoline constituents.

2. If concentrations have not reached a non-detect or asymptotic levels, resume system operation for further cleanup.

3. Tedlar bags shall not be used as soil vapor sample containers during rebound testing.

4. Soil vapor samples are collected from the system for monitoring purpose, they must be analyzed by Cal-LUFT GC/FID or Cal-LUFT GC/MS Method for total petroleum hydrocarbons as gasoline (TPH_G), and by EPA Method 8260B for BTEX, and fuel oxygenate compounds including methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and for oxygen and carbon dioxide content. The soil sampling and analysis protocol shall comply with the Regional Board's Advisory for Active Soil Gas Investigations (April 2012, available at http://www.waterboards.ca.gov/rwqcb4/water_issues/programs/ust/guidelines/VI_ActiveSoilGasAdvisory_FINAL_043012.pdf.

5. If results of the soil vapor rebound test show consistently low concentrations, confirmation soil borings shall be advanced in the proposed locations (PR1 through PR3) to confirm cleanup of soils beneath the Site.

6. Soil samples shall be collected at a minimum of five-foot intervals, at changes in soil lithology, and at areas of obvious contamination for geologic logging and preserved per EPA Method 5035 for chemical analysis. All soil samples collected must be field screened for petroleum hydrocarbons using either a Photo Ionization Detector or a Flame Ionization Detector.

7. Soil samples must be analyzed by Cal-LUFT GC/FID or Cal-LUFT GC/MS Method for total petroleum hydrocarbons as gasoline (TPH_G), total petroleum hydrocarbons as diesel (TPH_D) when diesel is identified at the site; and by EPA Method 8260B for benzene, toluene, ethylbenzene and xylenes (BTEX), naphthalene, and fuel oxygenate compounds including methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA). Ethanol is also required and shall be analyzed by either method above. The analytical detection limits must conform to the Regional Board General Laboratory Testing Requirements (9/06) (http://www.waterboards.ca.gov/losangeles/publications_forms/forms/ust/lab_forms/labreq9-06.pdf). All respective analytical methods must be certified by the California Environmental Laboratory Accreditation Program (ELAP). All analytical data must be reported by a California-certified laboratory.

8. A technical report detailing the results of rebound testing and confirmations soil sampling must be submitted to this Regional Board due by **January 15, 2016**.

Standard Requirements

1. You are required to obtain all necessary permits prior to the start of work.

2. The contractor who conducts the environmental work as required in this order shall, at all times, comply with all applicable State laws, rules, regulations, and local ordinances specifically, including but not limited to, environmental, procurement and safety laws, rules, regulations, and ordinances. The contractor shall obtain the services of a

Professional Geologist or Engineer, Civil (PG/PE-Civil) to comply with the applicable requirements of the Business and Professions Code, sections 7800 et seq. implementing regulations for geological or engineering analysis and interpretation for this case. All documents prepared for others by the contractor that reflect or rely upon geological or engineering interpretations by the contractor shall be signed or stamped by the PG/PE-Civil indicating her/his responsibility for them as required by the Business and Professions Code.

3. Effective November 1, 2011, the Los Angeles Regional Water Quality Control Board (Regional Board) implemented a Paperless Office system. For all parties who upload electronic documents to the GeoTracker database, it is no longer necessary to email a copy of these documents to losangeles@waterboards.ca.gov or submit hard copies to our office. The Regional Board will no longer accept documents (submitted by either hard copy or email) already uploaded to GeoTracker.

4. Submit a site-specific Health and Safety Plan for the Regional Board's review prior to commencing any field work.

5. Notify the Regional Board at least seven days prior to commencing the field work so that our staff may be present.

6. It is your responsibility to notify Regional Board staff about updates to your contact information. Notify the Regional Board with all updates to the name, contact person, address, telephone number, and e-mail address of the landowner(s), responsible party, and their consultants for the Site.

Please contact Mr. Noman Chowdhury at (213) 576-6704 or nchowdhury@waterboards.ca.gov if you have any questions regarding this matter.

Sincerely,

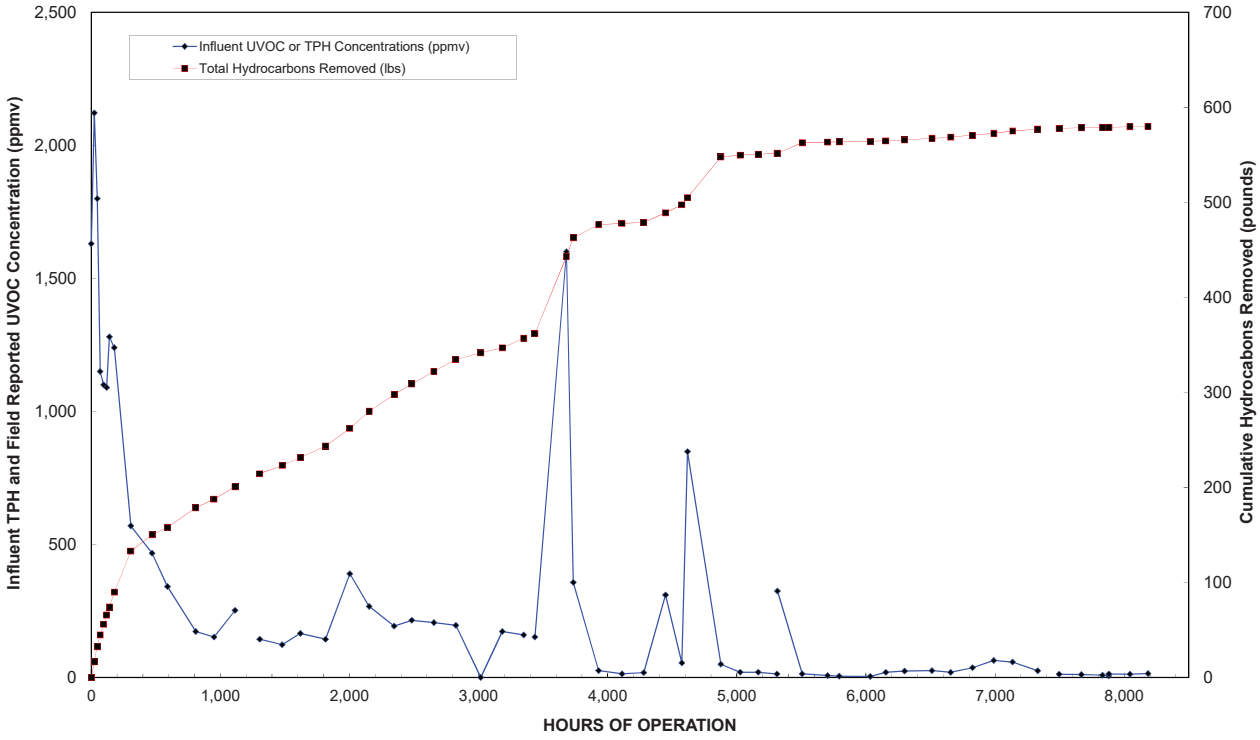
Gregg Kwey, P.E.
Senior Water Resource Control Engineer

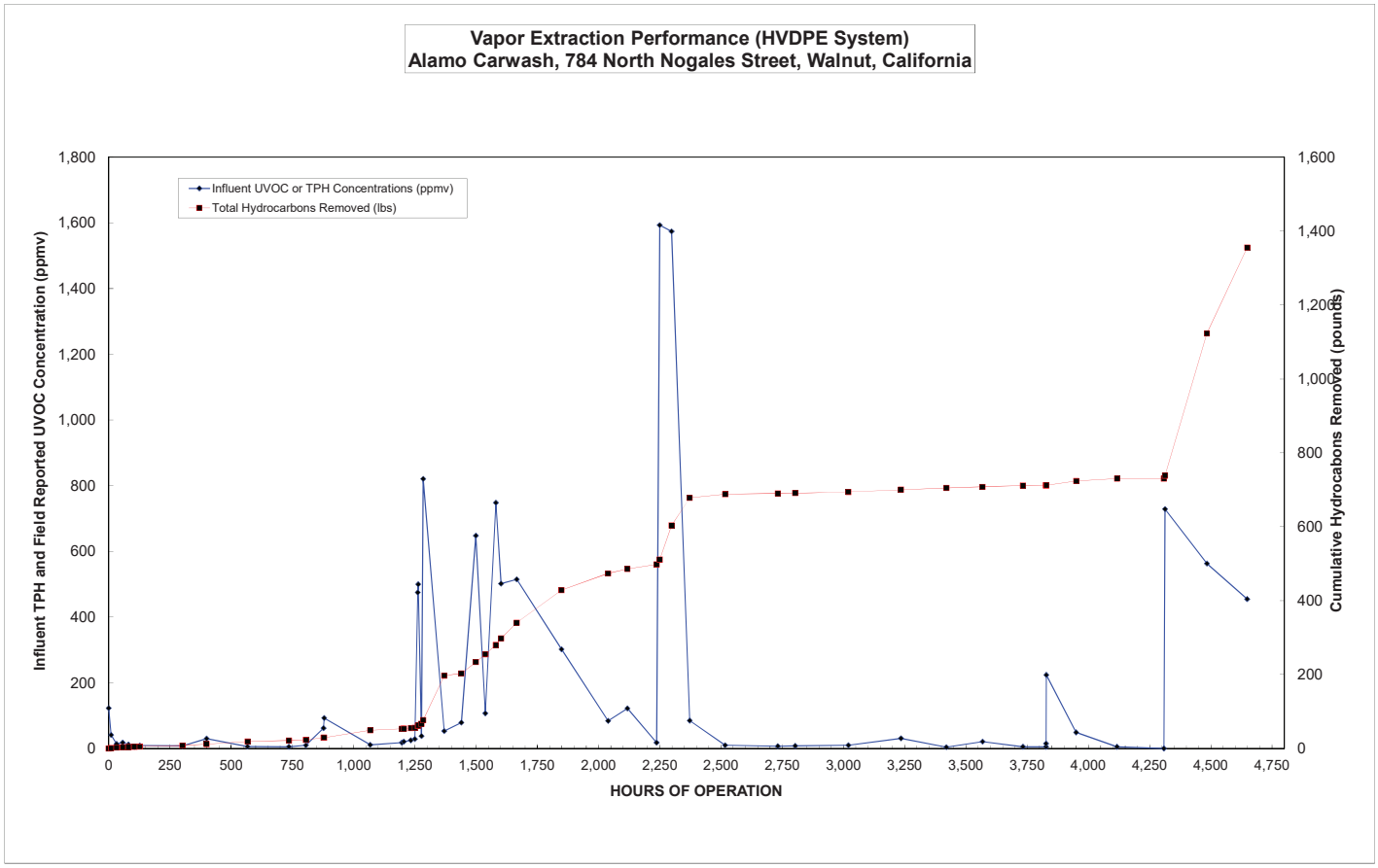
cc: Ms. Kathy Jundt, State Water Resources Control Board, UST Cleanup Fund
Ms. Phuong Ly, Water Replenishment District of Southern California
Ms. Lusi Mkhitaryan, Los Angeles County, Department of Public Health, Environmental Health Division-Water and Sewage
Mr. Sawyer Jones, FREY Environmental, Inc.

APPENDIX C

VAPOR EXTRACTION SYSTEM PERFORMANCE GRAPHS

Vapor Extraction Performance (VES System)
Alamo Carwash, 784 North Nogales Street, Walnut, California




Vapor Extraction Performance (HVDPE System)
Alamo Carwash, 784 North Nogales Street, Walnut, California
Influent UVOC or TPH Concentrations (ppmv)
Total Hydrocarbons Removed (lbs)
Influent TPH and Field Reported UVOC Concentration (ppmv)
Cumulative Hydrocabons Removed (pounds)
HOURS OF OPERATION
0
200
400
600
800
1,000
1,200
1,400
1,600
1,800
250
500
750
1,000
1,250
1,500
1,750
2,000
2,250
2,500
2,750
3,000
3,250
3,500
3,750
4,000
4,250
4,500
4,750

APPENDIX D

LABORATORY REPORTS

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WORK ORDER NUMBER: 15-07-0714

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Frey Environmental, Inc.

Client Project Name: Alamo Car Wash / 159-11

Attention: Sawyer Jones
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Approved for release on 07/20/2015 by:
Stephen Nowak
Project Manager

ResultLink ▸

Email your PM ▸

nelac

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Contents

Client Project Name: Alamo Car Wash / 159-11
Work Order Number: 15-07-0714

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Work Order Narrative

Work Order: 15-07-0714 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/13/15. They were assigned to Work Order 15-07-0714.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Sample Summary

Client:	Frey Environmental, Inc. 2817-A Lafayette Avenue Newport Beach, CA 92663-3715	Work Order:	15-07-0714
		Project Name:	Alamo Car Wash / 159-11
		PO Number:	
		Date/Time Received:	07/13/15 14:47
		Number of Containers:	1
Attn:	Sawyer Jones		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Influent	15-07-0714-1	07/13/15 10:35	1	Air

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Detections Summary

Client:	Frey Environmental, Inc.	Work Order:	15-07-0714
	2817-A Lafayette Avenue	Project Name:	Alamo Car Wash / 159-11
	Newport Beach, CA 92663-3715	Received:	07/13/15
Attn:	Sawyer Jones		Page 1 of 1

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
Influent (15-07-0714-1)						
2-Butanone	68		30	ppb (v/v)	EPA TO-15M	N/A
Ethylbenzene	300		10	ppb (v/v)	EPA TO-15M	N/A
4-Ethyltoluene	39		10	ppb (v/v)	EPA TO-15M	N/A
o-Xylene	58		10	ppb (v/v)	EPA TO-15M	N/A
p/m-Xylene	320		40	ppb (v/v)	EPA TO-15M	N/A
Tert-Butyl Alcohol (TBA)	590		100	ppb (v/v)	EPA TO-15M	N/A
1,3,5-Trimethylbenzene	47		10	ppb (v/v)	EPA TO-15M	N/A
1,2,4-Trimethylbenzene	79		30	ppb (v/v)	EPA TO-15M	N/A
TPH as Gasoline	1500		25	ppm (v/v)	EPA TO-3M	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Car Wash / 159-11

Date Received: 07/13/15
Work Order: 15-07-0714
Preparation: N/A
Method: EPA TO-15M
Units: ppb (v/v)

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Influent	**15-07-0714-1-A**	**07/13/15 10:35**	**Air**	**GC/MS II**	**N/A**	**07/15/15 08:27**	**150714L02**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	1000	20.0	
Benzene	ND	10	20.0	
Benzyl Chloride	ND	30	20.0	
Bromodichloromethane	ND	10	20.0	
Bromoform	ND	10	20.0	
Bromomethane	ND	10	20.0	
2-Butanone	68	30	20.0	
Carbon Disulfide	ND	200	20.0	
Carbon Tetrachloride	ND	10	20.0	
Chlorobenzene	ND	10	20.0	
Chloroethane	ND	10	20.0	
Chloroform	ND	10	20.0	
Chloromethane	ND	10	20.0	
Dibromochloromethane	ND	10	20.0	
Dichlorodifluoromethane	ND	10	20.0	
Diisopropyl Ether (DIPE)	ND	40	20.0	
1,1-Dichloroethane	ND	10	20.0	
1,1-Dichloroethene	ND	10	20.0	
1,2-Dibromoethane	ND	10	20.0	
Dichlorotetrafluoroethane	ND	40	20.0	
1,2-Dichlorobenzene	ND	10	20.0	
1,2-Dichloroethane	ND	10	20.0	
1,2-Dichloropropane	ND	10	20.0	
1,3-Dichlorobenzene	ND	10	20.0	
1,4-Dichlorobenzene	ND	10	20.0	
c-1,3-Dichloropropene	ND	10	20.0	
c-1,2-Dichloroethene	ND	10	20.0	
t-1,2-Dichloroethene	ND	10	20.0	
t-1,3-Dichloropropene	ND	20	20.0	
Ethanol	ND	1000	20.0	
Ethyl-t-Butyl Ether (ETBE)	ND	40	20.0	
Ethylbenzene	300	10	20.0	
4-Ethyltoluene	39	10	20.0	
Hexachloro-1,3-Butadiene	ND	30	20.0	
2-Hexanone	ND	30	20.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	07/13/15
2817-A Lafayette Avenue	Work Order:	15-07-0714
Newport Beach, CA 92663-3715	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	ppb (v/v)
Project: Alamo Car Wash / 159-11		Page 2 of 4

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	40	20.0	
Methylene Chloride	ND	100	20.0	
4-Methyl-2-Pentanone	ND	30	20.0	
Naphthalene	ND	100	20.0	
o-Xylene	58	10	20.0	
p/m-Xylene	320	40	20.0	
Styrene	ND	30	20.0	
Tert-Amyl-Methyl Ether (TAME)	ND	40	20.0	
Tert-Butyl Alcohol (TBA)	590	100	20.0	
Tetrachloroethene	ND	10	20.0	
Toluene	ND	100	20.0	
Trichloroethene	ND	10	20.0	
Trichlorofluoromethane	ND	20	20.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	30	20.0	
1,1,1-Trichloroethane	ND	10	20.0	
1,1,2-Trichloroethane	ND	10	20.0	
1,3,5-Trimethylbenzene	47	10	20.0	
1,1,2,2-Tetrachloroethane	ND	20	20.0	
1,2,4-Trimethylbenzene	79	30	20.0	
1,2,4-Trichlorobenzene	ND	40	20.0	
Vinyl Acetate	ND	40	20.0	
Vinyl Chloride	ND	10	20.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	109	57-129	
1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	50	78-156	2,6

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 07/13/15
Work Order: 15-07-0714
Preparation: N/A
Method: EPA TO-15M
Units: ppb (v/v)

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-981-5600**	**N/A**	**Air**	**GC/MS II**	**N/A**	**07/14/15 15:20**	**150714L02**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	50	1.00	
Benzene	ND	0.50	1.00	
Benzyl Chloride	ND	1.5	1.00	
Bromodichloromethane	ND	0.50	1.00	
Bromoform	ND	0.50	1.00	
Bromomethane	ND	0.50	1.00	
2-Butanone	ND	1.5	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	0.50	1.00	
Chloroethane	ND	0.50	1.00	
Chloroform	ND	0.50	1.00	
Chloromethane	ND	0.50	1.00	
Dibromochloromethane	ND	0.50	1.00	
Dichlorodifluoromethane	ND	0.50	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
1,1-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
Dichlorotetrafluoroethane	ND	2.0	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	0.50	1.00	
t-1,2-Dichloroethene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	1.0	1.00	
Ethanol	ND	50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Ethylbenzene	ND	0.50	1.00	
4-Ethyltoluene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	1.5	1.00	
2-Hexanone	ND	1.5	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	07/13/15
2817-A Lafayette Avenue	Work Order:	15-07-0714
Newport Beach, CA 92663-3715	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	ppb (v/v)
Project: Alamo Car Wash / 159-11		Page 4 of 4

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	
Methylene Chloride	ND	5.0	1.00	
4-Methyl-2-Pentanone	ND	1.5	1.00	
Naphthalene	ND	5.0	1.00	
o-Xylene	ND	0.50	1.00	
p/m-Xylene	ND	2.0	1.00	
Styrene	ND	1.5	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Tetrachloroethene	ND	0.50	1.00	
Toluene	ND	5.0	1.00	
Trichloroethene	ND	0.50	1.00	
Trichlorofluoromethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.50	1.00	
1,1,2-Trichloroethane	ND	0.50	1.00	
1,3,5-Trimethylbenzene	ND	0.50	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
Vinyl Acetate	ND	2.0	1.00	
Vinyl Chloride	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	57-129	
1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	97	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	07/13/15
2817-A Lafayette Avenue		Work Order:	15-07-0714
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA TO-3M
		Units:	ppm (v/v)
Project: Alamo Car Wash / 159-11			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Influent	**15-07-0714-1-A**	**07/13/15 10:35**	**Air**	**GC 13**	**N/A**	**07/13/15 18:39**	**150713L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	1500	25	5.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**098-01-005-6513**	**N/A**	**Air**	**GC 13**	**N/A**	**07/13/15 12:42**	**150713L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	5.0	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Sample Duplicate

Frey Environmental, Inc.		Date Received:	07/13/15
2817-A Lafayette Avenue		Work Order:	15-07-0714
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA TO-3M
Project: Alamo Car Wash / 159-11			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-07-0686-2	**Sample**	**Air**	**GC 13**	**N/A**	**07/13/15 14:28**	**150713D01**
15-07-0686-2	**Sample Duplicate**	**Air**	**GC 13**	**N/A**	**07/13/15 14:51**	**150713D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
TPH as Gasoline	107.3	124.2	15	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Car Wash / 159-11

Date Received: 07/13/15
Work Order: 15-07-0714
Preparation: N/A
Method: EPA TO-15M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-5600	**LCS**	**Air**	**GC/MS II**	**N/A**	**07/14/15 12:40**	**150714L02**
099-12-981-5600	**LCSD**	**Air**	**GC/MS II**	**N/A**	**07/14/15 13:30**	**150714L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	25.00	21.97	88	20.52	82	50-150	33-167	7	0-35	
Benzene	25.00	23.12	92	21.35	85	60-156	44-172	8	0-40	
Benzyl Chloride	25.00	28.39	114	23.44	94	50-150	33-167	19	0-35	
Bromodichloromethane	25.00	22.37	89	20.88	84	50-150	33-167	7	0-35	
Bromoform	25.00	26.70	107	21.99	88	50-150	33-167	19	0-38	
Bromomethane	25.00	22.97	92	21.50	86	50-150	33-167	7	0-35	
2-Butanone	25.00	22.90	92	21.56	86	50-150	33-167	6	0-35	
Carbon Disulfide	25.00	20.93	84	19.52	78	50-150	33-167	7	0-35	
Carbon Tetrachloride	25.00	22.49	90	20.93	84	64-154	49-169	7	0-32	
Chlorobenzene	25.00	27.56	110	22.49	90	50-150	33-167	20	0-35	
Chloroethane	25.00	22.21	89	20.91	84	50-150	33-167	6	0-35	
Chloroform	25.00	21.77	87	20.36	81	50-150	33-167	7	0-35	
Chloromethane	25.00	21.57	86	20.47	82	50-150	33-167	5	0-35	
Dibromochloromethane	25.00	26.15	105	21.52	86	50-150	33-167	19	0-35	
Dichlorodifluoromethane	25.00	22.37	89	21.04	84	50-150	33-167	6	0-35	
Diisopropyl Ether (DIPE)	25.00	20.22	81	18.90	76	60-140	47-153	7	0-30	
1,1-Dichloroethane	25.00	21.73	87	20.30	81	50-150	33-167	7	0-35	
1,1-Dichloroethene	25.00	21.46	86	19.82	79	50-150	33-167	8	0-35	
1,2-Dibromoethane	25.00	27.22	109	22.23	89	54-144	39-159	20	0-36	
Dichlorotetrafluoroethane	25.00	21.75	87	20.56	82	50-150	33-167	6	0-35	
1,2-Dichlorobenzene	25.00	26.92	108	22.05	88	34-160	13-181	20	0-47	
1,2-Dichloroethane	25.00	22.41	90	21.01	84	69-153	55-167	6	0-35	
1,2-Dichloropropane	25.00	22.78	91	21.13	85	67-157	52-172	8	0-35	
1,3-Dichlorobenzene	25.00	26.58	106	21.89	88	50-150	33-167	19	0-35	
1,4-Dichlorobenzene	25.00	26.96	108	22.17	89	36-156	16-176	20	0-47	
c-1,3-Dichloropropene	25.00	24.56	98	22.73	91	61-157	45-173	8	0-35	
c-1,2-Dichloroethene	25.00	23.25	93	21.82	87	50-150	33-167	6	0-35	
t-1,2-Dichloroethene	25.00	23.03	92	21.41	86	50-150	33-167	7	0-35	
t-1,3-Dichloropropene	25.00	25.15	101	23.42	94	50-150	33-167	7	0-35	
Ethanol	100.0	83.45	83	78.68	79	60-140	47-153	6	0-30	
Ethyl-t-Butyl Ether (ETBE)	25.00	22.96	92	21.67	87	60-140	47-153	6	0-30	
Ethylbenzene	25.00	26.32	105	21.61	86	52-154	35-171	20	0-38	
4-Ethyltoluene	25.00	26.77	107	22.00	88	50-150	33-167	20	0-35	
Hexachloro-1,3-Butadiene	25.00	22.44	90	18.49	74	50-150	33-167	19	0-35	
2-Hexanone	25.00	27.43	110	22.40	90	50-150	33-167	20	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	23.57	94	22.23	89	50-150	33-167	6	0-35	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.		Date Received:	07/13/15
2817-A Lafayette Avenue		Work Order:	15-07-0714
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA TO-15M
Project: Alamo Car Wash / 159-11			Page 2 of 3

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Methylene Chloride	25.00	21.14	85	19.37	77	50-150	33-167	9	0-35	
4-Methyl-2-Pentanone	25.00	24.03	96	22.26	89	50-150	33-167	8	0-35	
Naphthalene	25.00	26.21	105	21.54	86	40-190	15-215	20	0-30	
o-Xylene	25.00	25.36	101	21.04	84	52-148	36-164	19	0-38	
p/m-Xylene	50.00	50.60	101	41.56	83	42-156	23-175	20	0-41	
Styrene	25.00	27.83	111	22.82	91	50-150	33-167	20	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	24.53	98	22.99	92	60-140	47-153	6	0-30	
Tert-Butyl Alcohol (TBA)	50.00	42.43	85	38.30	77	60-140	47-153	10	0-30	
Tetrachloroethene	25.00	27.68	111	22.57	90	56-152	40-168	20	0-40	
Toluene	25.00	26.64	107	21.84	87	56-146	41-161	20	0-43	
Trichloroethene	25.00	23.53	94	21.92	88	63-159	47-175	7	0-34	
Trichlorofluoromethane	25.00	21.62	86	20.21	81	50-150	33-167	7	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	22.90	92	21.43	86	50-150	33-167	7	0-35	
1,1,1-Trichloroethane	25.00	22.26	89	20.85	83	50-150	33-167	7	0-35	
1,1,2-Trichloroethane	25.00	23.24	93	21.58	86	65-149	51-163	7	0-37	
1,3,5-Trimethylbenzene	25.00	25.86	103	21.30	85	50-150	33-167	19	0-35	
1,1,2,2-Tetrachloroethane	25.00	24.51	98	20.29	81	50-150	33-167	19	0-35	
1,2,4-Trimethylbenzene	25.00	26.45	106	21.84	87	50-150	33-167	19	0-35	
1,2,4-Trichlorobenzene	25.00	27.98	112	23.11	92	50-150	33-167	19	0-35	
Vinyl Acetate	25.00	21.89	88	20.52	82	50-150	33-167	6	0-35	
Vinyl Chloride	25.00	21.47	86	20.28	81	45-177	23-199	6	0-36	

Total number of LCS compounds: 57
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Frey Environmental, Inc.		Date Received:	07/13/15
2817-A Lafayette Avenue		Work Order:	15-07-0714
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA TO-3M
Project: Alamo Car Wash / 159-11			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
098-01-005-6513	**LCS**	**Air**	**GC 13**	**N/A**	**07/13/15 12:31**	**150713L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	200.0	194.6	97	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-07-0714 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA TO-15M	N/A	866	GC/MS II	2
EPA TO-3M	N/A	929	GC 13	2

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Glossary of Terms and Qualifiers

Work Order: 15-07-0714 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 7-13-15

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LABORATORY CLIENT: FREY ENVIRONMENTAL, INC.	CLIENT PROJECT NAME / NUMBER: Alamo Car Wash / 159-11
ADDRESS: 2817-A LAFAYETTE AVENUE	PROJECT CONTACT: Sawyer Jones
CITY: NEWPORT BEACH, STATE: CA ZIP: 92663-3715	SAMPLER(S): (PRINT) Chris J.
TEL: 949/723-1645 FAX: 949/723/1854 E-Mail: sawyerjones@freyinc.com	COELT LOG CODE: ☐☐☐☐
P.O. NO.: 159-11	LAB USE ONLY: 15-07-0714
COOLER RECEIPT: TEMP= °C	

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ COELT REPORTING

SPECIAL INSTRUCTIONS:
EDF Required

REQUESTED ANALYSES

LAB USE ONLY	GEIMS ID	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G) 8015M	TPH (D) or	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	BTEX / OXYGENATES	VOCs (8260B) Full Scan	VOCs+(5035 / 8260B) EnCore	SVOCs (8270C)	PEST (8181A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310)	VOCs (TO-14A) or (TO-15)				
1		Influent	7-13-15	10:35	V	1	X					X												

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Danny G ECL	Date: 7/13/15	Time: 14:47
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the green and yellow copies respectively.

05/01/07 Revision

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WORK ORDER NUMBER: 15-07- 0714

SAMPLE RECEIPT CHECKLIST

COOLER 0 OF 0

CLIENT: Frey Envl

DATE: 07 / 13 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): _____°C (w/ CF): _____°C; ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☑ Air ☐ Filter Checked by: bg

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☐ Not Present ☑ N/A Checked by: bg

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: bg

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☑	☐	☐

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna_2 ☐ 100PJ ☐ 100PJna_2 ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna ☐ 250AGB ☐ 250CGB ☐ 250CGBs ☐ 250PB ☐ 250PBn ☐ 500AGB ☐ 500AGJ ☐ 500AGJs ☐ 500PB ☐ 1AGB ☐ 1AGBna_2 ☐ 1AGBs ☐ 1PB ☐ 1PBna ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☑ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO_3, na = NaOH, na_2 = $Na_2S_2O_3$, p = H_3PO_4, s = H_2SO_4, u = ultra-pure, znna = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: bg

Reviewed by: 965

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WORK ORDER NUMBER: 15-07-0713

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Frey Environmental, Inc.

Client Project Name: Alamo Car Wash / 159-11

Attention: Sawyer Jones
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Approved for release on 07/20/2015 by:
Stephen Nowak
Project Manager

ResultLink ▸

Email your PM ▸

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Contents

Client Project Name: Alamo Car Wash / 159-11
Work Order Number: 15-07-0713

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Work Order Narrative

Work Order: 15-07-0713 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/13/15. They were assigned to Work Order 15-07-0713.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Sample Summary

Client:	Frey Environmental, Inc. 2817-A Lafayette Avenue Newport Beach, CA 92663-3715	Work Order:	15-07-0713
		Project Name:	Alamo Car Wash / 159-11
		PO Number:	
		Date/Time Received:	07/13/15 14:47
		Number of Containers:	11
Attn:	Sawyer Jones		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Effluent	15-07-0713-1	07/13/15 11:00	11	Aqueous

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Detections Summary

Client:	Frey Environmental, Inc.	Work Order:	15-07-0713
	2817-A Lafayette Avenue	Project Name:	Alamo Car Wash / 159-11
	Newport Beach, CA 92663-3715	Received:	07/13/15
Attn:	Sawyer Jones		Page 1 of 1

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
Effluent (15-07-0713-1)						
Chemical Oxygen Demand	59		20	mg/L	EPA 410.4	N/A
pH	7.67	BV,BU	0.01	pH units	SM 4500 H+ B	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Car Wash / 159-11

Date Received: 07/13/15
Work Order: 15-07-0713
Preparation: N/A
Method: EPA 1664A
Units: mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	**15-07-0713-1-I**	**07/13/15 11:00**	**Aqueous**	**N/A**	**07/14/15**	**07/14/15 19:30**	**F0714HEML1**

Parameter	Result	RL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-05-119-4021**	**N/A**	**Aqueous**	**N/A**	**07/14/15**	**07/14/15 19:30**	**F0714HEML1**

Parameter	Result	RL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 07/13/15
Work Order: 15-07-0713
Preparation: EPA 625
Method: EPA 625
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	**15-07-0713-1-J**	**07/13/15 11:00**	**Aqueous**	**GC/MS SS**	**07/15/15**	**07/17/15 11:04**	**150715L11**

Parameter	Result	RL	DF	Qualifiers
N-Nitrosodimethylamine	ND	9.5	1.00	
Phenol	ND	9.5	1.00	
Bis(2-Chloroethyl) Ether	ND	24	1.00	
2-Chlorophenol	ND	9.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	9.5	1.00	
N-Nitroso-di-n-propylamine	ND	9.5	1.00	
Hexachloroethane	ND	9.5	1.00	
Nitrobenzene	ND	24	1.00	
Isophorone	ND	9.5	1.00	
2-Nitrophenol	ND	9.5	1.00	
2,4-Dimethylphenol	ND	9.5	1.00	
Bis(2-Chloroethoxy) Methane	ND	9.5	1.00	
2,4-Dichlorophenol	ND	9.5	1.00	
1,2,4-Trichlorobenzene	ND	9.5	1.00	
Naphthalene	ND	9.5	1.00	
Hexachloro-1,3-Butadiene	ND	9.5	1.00	
4-Chloro-3-Methylphenol	ND	9.5	1.00	
Hexachlorocyclopentadiene	ND	24	1.00	
2,4,6-Trichlorophenol	ND	9.5	1.00	
2-Chloronaphthalene	ND	9.5	1.00	
Dimethyl Phthalate	ND	9.5	1.00	
Acenaphthylene	ND	9.5	1.00	
Acenaphthene	ND	9.5	1.00	
2,4-Dinitrophenol	ND	48	1.00	
4-Nitrophenol	ND	9.5	1.00	
2,4-Dinitrotoluene	ND	9.5	1.00	
2,6-Dinitrotoluene	ND	9.5	1.00	
Diethyl Phthalate	ND	9.5	1.00	
4-Chlorophenyl-Phenyl Ether	ND	9.5	1.00	
Fluorene	ND	9.5	1.00	
4,6-Dinitro-2-Methylphenol	ND	48	1.00	
N-Nitrosodiphenylamine	ND	9.5	1.00	
4-Bromophenyl-Phenyl Ether	ND	9.5	1.00	
Hexachlorobenzene	ND	9.5	1.00	
Pentachlorophenol	ND	24	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	07/13/15
2817-A Lafayette Avenue	Work Order:	15-07-0713
Newport Beach, CA 92663-3715	Preparation:	EPA 625
	Method:	EPA 625
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 2 of 4

Parameter	Result	RL	DF	Qualifiers
Phenanthrene	ND	9.5	1.00	
Anthracene	ND	9.5	1.00	
Di-n-Butyl Phthalate	ND	9.5	1.00	
Fluoranthene	ND	9.5	1.00	
Benzidine	ND	48	1.00	
Pyrene	ND	9.5	1.00	
Butyl Benzyl Phthalate	ND	9.5	1.00	
3,3'-Dichlorobenzidine	ND	24	1.00	
Benzo (a) Anthracene	ND	9.5	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	9.5	1.00	
Chrysene	ND	9.5	1.00	
Di-n-Octyl Phthalate	ND	9.5	1.00	
Benzo (k) Fluoranthene	ND	9.5	1.00	
Benzo (b) Fluoranthene	ND	9.5	1.00	
Benzo (a) Pyrene	ND	9.5	1.00	
Benzo (g,h,i) Perylene	ND	9.5	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	9.5	1.00	
Dibenz (a,h) Anthracene	ND	9.5	1.00	
1,2-Diphenylhydrazine	ND	9.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	51	15-138	
Phenol-d6	30	17-141	
Nitrobenzene-d5	84	56-123	
2-Fluorobiphenyl	93	45-120	
2,4,6-Tribromophenol	86	32-143	
p-Terphenyl-d14	89	46-133	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 07/13/15
Work Order: 15-07-0713
Preparation: EPA 625
Method: EPA 625
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-026-288**	**N/A**	**Aqueous**	**GC/MS SS**	**07/15/15**	**07/17/15 10:45**	**150715L11**

Parameter	Result	RL	DF	Qualifiers
N-Nitrosodimethylamine	ND	10	1.00	
Phenol	ND	10	1.00	
Bis(2-Chloroethyl) Ether	ND	25	1.00	
2-Chlorophenol	ND	10	1.00	
Bis(2-Chloroisopropyl) Ether	ND	10	1.00	
N-Nitroso-di-n-propylamine	ND	10	1.00	
Hexachloroethane	ND	10	1.00	
Nitrobenzene	ND	25	1.00	
Isophorone	ND	10	1.00	
2-Nitrophenol	ND	10	1.00	
2,4-Dimethylphenol	ND	10	1.00	
Bis(2-Chloroethoxy) Methane	ND	10	1.00	
2,4-Dichlorophenol	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	10	1.00	
Naphthalene	ND	10	1.00	
Hexachloro-1,3-Butadiene	ND	10	1.00	
4-Chloro-3-Methylphenol	ND	10	1.00	
Hexachlorocyclopentadiene	ND	25	1.00	
2,4,6-Trichlorophenol	ND	10	1.00	
2-Chloronaphthalene	ND	10	1.00	
Dimethyl Phthalate	ND	10	1.00	
Acenaphthylene	ND	10	1.00	
Acenaphthene	ND	10	1.00	
2,4-Dinitrophenol	ND	50	1.00	
4-Nitrophenol	ND	10	1.00	
2,4-Dinitrotoluene	ND	10	1.00	
2,6-Dinitrotoluene	ND	10	1.00	
Diethyl Phthalate	ND	10	1.00	
4-Chlorophenyl-Phenyl Ether	ND	10	1.00	
Fluorene	ND	10	1.00	
4,6-Dinitro-2-Methylphenol	ND	50	1.00	
N-Nitrosodiphenylamine	ND	10	1.00	
4-Bromophenyl-Phenyl Ether	ND	10	1.00	
Hexachlorobenzene	ND	10	1.00	
Pentachlorophenol	ND	25	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	07/13/15
2817-A Lafayette Avenue	Work Order:	15-07-0713
Newport Beach, CA 92663-3715	Preparation:	EPA 625
	Method:	EPA 625
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 4 of 4

Parameter	Result	RL	DF	Qualifiers
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Di-n-Butyl Phthalate	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Benzidine	ND	50	1.00	
Pyrene	ND	10	1.00	
Butyl Benzyl Phthalate	ND	10	1.00	
3,3'-Dichlorobenzidine	ND	25	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	10	1.00	
Chrysene	ND	10	1.00	
Di-n-Octyl Phthalate	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
1,2-Diphenylhydrazine	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	73	15-138	
Phenol-d6	51	17-141	
Nitrobenzene-d5	86	56-123	
2-Fluorobiphenyl	97	45-120	
2,4,6-Tribromophenol	95	32-143	
p-Terphenyl-d14	88	46-133	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 07/13/15
Work Order: 15-07-0713
Preparation: N/A
Method: EPA 624
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	**15-07-0713-1-A**	**07/13/15 11:00**	**Aqueous**	**GC/MS WW**	**07/16/15**	**07/16/15 21:02**	**150716L017**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	1.0	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	1.0	1.00	
Chloromethane	ND	1.0	1.00	
2-Chloroethyl Vinyl Ether	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
Methylene Chloride	ND	2.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	5.0	1.00	
Vinyl Chloride	ND	0.50	1.00	
o-Xylene	ND	1.0	1.00	
p/m-Xylene	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	07/13/15
2817-A Lafayette Avenue	Work Order:	15-07-0713
Newport Beach, CA 92663-3715	Preparation:	N/A
	Method:	EPA 624
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 2 of 4

Parameter	Result	RL	DF	Qualifiers
Acrylonitrile	ND	2.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Acrolein	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	97	80-126	
1,2-Dichloroethane-d4	104	80-134	
Toluene-d8	98	80-120	
1,4-Bromofluorobenzene	92	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 07/13/15
Work Order: 15-07-0713
Preparation: N/A
Method: EPA 624
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-681-426**	**N/A**	**Aqueous**	**GC/MS WW**	**07/16/15**	**07/16/15 12:48**	**150716L017**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	1.0	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	1.0	1.00	
Chloromethane	ND	1.0	1.00	
2-Chloroethyl Vinyl Ether	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
Methylene Chloride	ND	2.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	5.0	1.00	
Vinyl Chloride	ND	0.50	1.00	
o-Xylene	ND	1.0	1.00	
p/m-Xylene	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	07/13/15
2817-A Lafayette Avenue	Work Order:	15-07-0713
Newport Beach, CA 92663-3715	Preparation:	N/A
	Method:	EPA 624
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 4 of 4

Parameter	Result	RL	DF	Qualifiers
Acrylonitrile	ND	2.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Acrolein	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	99	80-126	
1,2-Dichloroethane-d4	108	80-134	
Toluene-d8	99	80-120	
1,4-Bromofluorobenzene	91	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715
Project: Alamo Car Wash / 159-11

Date Received: 07/13/15
Work Order: 15-07-0713

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix
Effluent	**15-07-0713-1**	**07/13/15 11:00**	**Aqueous**

Parameter	Results	RL	DF	Qualifiers	Units	Date Prepared	Date Analyzed	Method
Chemical Oxygen Demand	59	20	1.00		mg/L	07/14/15	07/14/15	EPA 410.4
Solids, Total Suspended	ND	1.0	1.00		mg/L	07/15/15	07/16/15	SM 2540 D
pH	7.67	0.01	1.00	BV,BU	pH units	N/A	07/13/15	SM 4500 H+ B
Sulfide, Dissolved	ND	0.050	1.00	BV,BU	mg/L	07/13/15	07/13/15	SM 4500 S2 - D

Method Blank						**N/A**		**Aqueous**
Parameter	Results	RL	DF	Qualifiers	Units	Date Prepared	Date Analyzed	Method
Chemical Oxygen Demand	ND	20	1.00		mg/L	07/14/15	07/14/15	EPA 410.4
Solids, Total Suspended	ND	1.0	1.00		mg/L	07/15/15	07/16/15	SM 2540 D
Sulfide, Dissolved	ND	0.050	1.00		mg/L	07/13/15	07/13/15	SM 4500 S2 - D

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.		Date Received:	07/13/15
2817-A Lafayette Avenue		Work Order:	15-07-0713
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA 624
Project: Alamo Car Wash / 159-11			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-07-0828-1	**Sample**	**Aqueous**	**GC/MS WW**	**07/16/15**	**07/16/15 20:31**	**150716S007**
15-07-0828-1	**Matrix Spike**	**Aqueous**	**GC/MS WW**	**07/16/15**	**07/16/15 21:32**	**150716S007**
15-07-0828-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS WW**	**07/16/15**	**07/16/15 22:03**	**150716S007**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	51.75	104	52.02	104	78-120	1	0-20	
Carbon Tetrachloride	ND	50.00	51.82	104	53.12	106	80-130	2	0-20	
Chlorobenzene	ND	50.00	49.60	99	49.88	100	80-120	1	0-20	
1,2-Dichloroethane	ND	50.00	60.40	121	56.50	113	80-124	7	0-20	
1,1-Dichloroethene	ND	50.00	47.94	96	49.45	99	67-127	3	0-20	
1,2-Dichloropropane	ND	50.00	52.61	105	51.98	104	80-120	1	0-20	
Ethylbenzene	ND	50.00	53.41	107	54.40	109	80-126	2	0-20	
Tetrachloroethene	ND	50.00	58.76	118	58.83	118	61-145	0	0-20	
Toluene	ND	50.00	52.09	104	51.70	103	80-125	1	0-20	
1,1,2-Trichloroethane	ND	50.00	53.83	108	54.68	109	80-120	2	0-20	
Trichloroethene	ND	50.00	54.84	110	54.91	110	80-120	0	0-20	
Vinyl Chloride	ND	50.00	51.25	103	58.32	117	60-138	13	0-24	
o-Xylene	ND	50.00	50.97	102	51.22	102	80-122	0	0-20	
p/m-Xylene	ND	100.0	105.6	106	109.5	110	80-133	4	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	50.59	101	53.44	107	70-124	5	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

Frey Environmental, Inc.		Date Received:	07/13/15
2817-A Lafayette Avenue		Work Order:	15-07-0713
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA 410.4
Project: Alamo Car Wash / 159-11			Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-07-0656-2	**Sample**	**Aqueous**	**UV 5**	**07/14/15 00:00**	**07/14/15 19:00**	**F0714ODD4**
15-07-0656-2	**Sample Duplicate**	**Aqueous**	**UV 5**	**07/14/15 00:00**	**07/14/15 19:00**	**F0714ODD4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	94.00	92.00	2	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

Frey Environmental, Inc.		Date Received:	07/13/15
2817-A Lafayette Avenue		Work Order:	15-07-0713
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	SM 2540 D
Project: Alamo Car Wash / 159-11			Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-07-0602-2	**Sample**	**Aqueous**	**N/A**	**07/15/15 00:00**	**07/16/15 14:00**	**F0716TSSD1**
15-07-0602-2	**Sample Duplicate**	**Aqueous**	**N/A**	**07/15/15 00:00**	**07/16/15 14:00**	**F0716TSSD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	460.0	446.0	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

Frey Environmental, Inc.		Date Received:	07/13/15
2817-A Lafayette Avenue		Work Order:	15-07-0713
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	SM 4500 H+ B
Project: Alamo Car Wash / 159-11			Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-07-0698-1	**Sample**	**Aqueous**	**PH 1**	**N/A**	**07/13/15 19:00**	**F0713PHD2**
15-07-0698-1	**Sample Duplicate**	**Aqueous**	**PH 1**	**N/A**	**07/13/15 19:00**	**F0713PHD2**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
pH	7.940	7.990	1	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

Frey Environmental, Inc.		Date Received:	07/13/15
2817-A Lafayette Avenue		Work Order:	15-07-0713
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	SM 4500 S2 - D
Project: Alamo Car Wash / 159-11			Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
Effluent	**Sample**	**Aqueous**	**N/A**	**07/13/15 00:00**	**07/13/15 19:24**	**F0713DSD1**
Effluent	**Sample Duplicate**	**Aqueous**	**N/A**	**07/13/15 00:00**	**07/13/15 19:24**	**F0713DSD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Sulfide, Dissolved	ND	ND	N/A	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Car Wash / 159-11

Date Received: 07/13/15
Work Order: 15-07-0713
Preparation: N/A
Method: EPA 1664A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-119-4021	**LCS**	**Aqueous**	**N/A**	**07/14/15**	**07/14/15 19:30**	**F0714HEML1**
099-05-119-4021	**LCSD**	**Aqueous**	**N/A**	**07/14/15**	**07/14/15 19:30**	**F0714HEML1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	40.00	34.80	87	32.90	82	78-114	6	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.	Date Received: 07/13/15
2817-A Lafayette Avenue	Work Order: 15-07-0713
Newport Beach, CA 92663-3715	Preparation: N/A
	Method: SM 2540 D
Project: Alamo Car Wash / 159-11	Page 2 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-010-7230	**LCS**	**Aqueous**	**N/A**	**07/15/15**	**07/16/15 14:00**	**F0716TSSL1**
099-09-010-7230	**LCSD**	**Aqueous**	**N/A**	**07/15/15**	**07/16/15 14:00**	**F0716TSSL1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	106.0	106	104.0	104	80-120	2	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.	Date Received: 07/13/15
2817-A Lafayette Avenue	Work Order: 15-07-0713
Newport Beach, CA 92663-3715	Preparation: N/A
	Method: SM 4500 S2 - D
Project: Alamo Car Wash / 159-11	Page 3 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-855-486	**LCS**	**Aqueous**	**N/A**	**07/13/15**	**07/13/15 19:24**	**F0713DSL1**
099-15-855-486	**LCSD**	**Aqueous**	**N/A**	**07/13/15**	**07/13/15 19:24**	**F0713DSL1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfide, Dissolved	1.000	0.9000	90	0.9000	90	80-120	0	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.		Date Received:	07/13/15
2817-A Lafayette Avenue		Work Order:	15-07-0713
Newport Beach, CA 92663-3715		Preparation:	EPA 625
		Method:	EPA 625
Project: Alamo Car Wash / 159-11			Page 4 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-026-288	**LCS**	**Aqueous**	**GC/MS SS**	**07/15/15**	**07/17/15 11:24**	**150715L11**
099-15-026-288	**LCSD**	**Aqueous**	**GC/MS SS**	**07/15/15**	**07/17/15 11:43**	**150715L11**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Phenol	200.0	108.0	54	115.7	58	12-151	0-174	7	0-23	
2-Chlorophenol	200.0	181.2	91	189.7	95	45-135	30-150	5	0-18	
N-Nitroso-di-n-propylamine	200.0	154.0	77	159.5	80	52-128	39-141	4	0-13	
1,2,4-Trichlorobenzene	200.0	196.6	98	203.3	102	42-120	29-133	3	0-21	
Naphthalene	200.0	187.2	94	193.3	97	21-133	2-152	3	0-20	
4-Chloro-3-Methylphenol	200.0	169.0	84	176.5	88	20-150	0-172	4	0-40	
Dimethyl Phthalate	200.0	192.5	96	194.8	97	0-112	0-131	1	0-20	
Acenaphthylene	200.0	210.7	105	217.2	109	33-145	14-164	3	0-20	
Acenaphthene	200.0	211.8	106	216.3	108	51-137	37-151	2	0-11	
4-Nitrophenol	200.0	103.1	52	111.1	56	20-150	0-172	7	0-40	
2,4-Dinitrotoluene	200.0	232.7	116	240.0	120	25-143	5-163	3	0-36	
Fluorene	200.0	218.1	109	224.6	112	59-121	49-131	3	0-20	
Pentachlorophenol	200.0	152.6	76	162.3	81	20-150	0-172	6	0-40	
Pyrene	200.0	200.2	100	198.6	99	45-135	30-150	1	0-20	
Butyl Benzyl Phthalate	200.0	200.9	100	202.2	101	0-152	0-177	1	0-20	

Total number of LCS compounds: 15
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Frey Environmental, Inc.		Date Received:	07/13/15
2817-A Lafayette Avenue		Work Order:	15-07-0713
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA 624
Project: Alamo Car Wash / 159-11			Page 5 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-681-426	**LCS**	**Aqueous**	**GC/MS WW**	**07/16/15**	**07/16/15 10:15**	**150716L017**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	48.71	97	80-120	73-127	
Bromodichloromethane	50.00	55.12	110	80-120	73-127	
Bromoform	50.00	54.32	109	80-122	73-129	
Carbon Tetrachloride	50.00	52.29	105	80-128	72-136	
Chlorobenzene	50.00	47.79	96	80-120	73-127	
Chloroethane	50.00	35.43	71	62-146	48-160	
Chloromethane	50.00	36.07	72	52-130	39-143	
2-Chloroethyl Vinyl Ether	50.00	61.27	123	11-161	0-186	
Chloroform	50.00	48.83	98	80-124	73-131	
1,3-Dichlorobenzene	50.00	50.73	101	80-120	73-127	
1,4-Dichlorobenzene	50.00	49.24	98	80-120	73-127	
1,2-Dichlorobenzene	50.00	49.73	99	80-120	73-127	
Dibromochloromethane	50.00	54.44	109	80-123	73-130	
1,1-Dichloroethane	50.00	45.74	91	80-122	73-129	
1,2-Dichloroethane	50.00	57.21	114	80-121	73-128	
1,1-Dichloroethene	50.00	46.85	94	71-125	62-134	
t-1,2-Dichloroethene	50.00	50.04	100	70-130	60-140	
1,2-Dichloropropane	50.00	49.74	99	80-120	73-127	
c-1,3-Dichloropropene	50.00	54.71	109	80-120	73-127	
t-1,3-Dichloropropene	50.00	55.49	111	80-132	71-141	
Ethylbenzene	50.00	53.65	107	80-121	73-128	
Methylene Chloride	50.00	50.56	101	69-135	58-146	
1,1,2,2-Tetrachloroethane	50.00	52.77	106	80-120	73-127	
Tetrachloroethene	50.00	55.62	111	71-131	61-141	
Toluene	50.00	49.66	99	80-120	73-127	
1,1,1-Trichloroethane	50.00	51.10	102	80-124	73-131	
1,1,2-Trichloroethane	50.00	55.38	111	80-120	73-127	
Trichloroethene	50.00	52.58	105	80-120	73-127	
Trichlorofluoromethane	50.00	57.92	116	62-146	48-160	
Vinyl Chloride	50.00	48.66	97	73-127	64-136	
o-Xylene	50.00	50.78	102	80-120	73-127	
p/m-Xylene	100.0	107.6	108	80-128	72-136	
Acrylonitrile	50.00	61.09	122	66-144	53-157	
Methyl-t-Butyl Ether (MTBE)	50.00	51.51	103	73-127	64-136	
Acrolein	100.0	117.4	117	44-176	22-198	

Total number of LCS compounds: 35

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Frey Environmental, Inc.	Date Received:	07/13/15
2817-A Lafayette Avenue	Work Order:	15-07-0713
Newport Beach, CA 92663-3715	Preparation:	N/A
	Method:	EPA 624
Project: Alamo Car Wash / 159-11		Page 6 of 6

Total number of ME compounds: 0
Total number of ME compounds allowed: 2
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-07-0713 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 1664A	N/A	1002	N/A	1
EPA 410.4	N/A	990	UV 5	1
EPA 624	N/A	905	GC/MS WW	2
EPA 625	EPA 625	923	GC/MS SS	1
SM 2540 D	N/A	977	N/A	1
SM 4500 H+ B	N/A	688	PH 1	1
SM 4500 S2 - D	N/A	880	N/A	1

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Glossary of Terms and Qualifiers

Work Order: 15-07-0713 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

DATE: 7-13-15
PAGE: 1 OF 1

WO NO. / LAB USE ONLY: **15-07-0713**

LABORATORY CLIENT: Frey Environmental Inc.
ADDRESS: 2817-A Lafayette Ave.
CITY: Newport Beach STATE: CA ZIP: 92663
TEL: (949) 723-1695 E-MAIL: (949) 723-1854 / sawyerjones@freyinc.com

CLIENT PROJECT NAME / NO.: Alamo Carwash
PROJECT CONTACT: Sawyer Jones
GLOBAL ID:
LOG CODE:
P.O. NO.: 159-11
LAB CONTACT OR QUOTE NO.: Steve Nowak
SAMPLER(S): (PRINT) Chris J.

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	O&G (EPA 1664A HEM)	Chemical Oxygen Demand (COD) EPA 410.4	SVOCs EPA 625	Solids, Total Suspended (TSS) SM2540D	pH SM4500 H+B	Sulfide, Dissolved SM4500 S2-D	VOCs (EPA624) (unpreserved)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
1	Effluent	7-13-15	11:00	H2O	11				X	X	X	X	X	X	X											

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Dannyle TCI	Date: 7/13/15	Time: 14:47
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2014-07-01 Revision

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Container Request

0713

Requested By: Stephen Nowak **Date:** 6/15/2015 10:30:39 AM

Project: Alamo / 159-11

Client: Frey Environmental, Inc. (Newport Beach)

Delivery Method: GSO

Delivery Date: 6/17/2015 **Time:** After 12:00 PM Before 4:00 PM

Deliver To: Frey Environmental, Inc. (Default)

Address: 2817-A Lafayette Avenue

Newport Beach, CA 92663-3715

Attention: Sawyer Jones

Phone: 949-723-1645

Note: Steve Novak

Containers

Test	Description	Preservation	Quantity	Unit
Oil & Grease EPA 1664A-HEM	1L amber glass	H2SO4	1	Each
Chemical Oxygen Demand (COD) EPA 410.4	250ml glass	H2SO4	1	Each
SVOCs EPA 625	1L amber glass	None	1	Each
Solids, Total Suspended (TSS) SM2540 D	1L HDPE	None	1	Each
pH SM 4500 H+B	125ml HDPE	None	1	Each
Sulfide, Dissolved SM4500 S2-D	125ml HDPE	None	1	Each
VOCs (EPA 624) (Unpreserved)	5-40mll VOA vials	None	1	Set

Others

Description	Quantity	Unit
Blank Labels	11	Each
Coolers (Medium)	1	Each

Attachments

File Name	File Type

Unused sample containers cannot be returned to Calscience for reuse due to possible contamination issues. If unused containers are returned, a $100 minimum disposal fee applies.

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WORK ORDER NUMBER: 15-07- 0713

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Frey Env'l

DATE: 07 / 13 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 4.3 °C (w/ CF): 4.1 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 689

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 689

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 689

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☑ pH ☐ Residual Chlorine ☑ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☑	☐
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☑ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☑	☐	☐
☑ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☑ VOA[5] ☐ VOAh ☐ VOAna_2 ☐ 100PJ ☐ 100PJna_2 ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☑ 125PB[2]

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☑ 250CGBs ☐ 250PB ☐ 250PBn ☐ 500AGB ☐ 500AGJ ☐ 500AGJs

☐ 500PB ☑ 1AGB ☐ 1AGBna_2 ☑ 1AGBs ☑ 1PB ☐ 1PBna ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO_3, na = NaOH, na_2 = $Na_2S_2O_3$, p = H_3PO_4, s = H_2SO_4, u = ultra-pure, znna = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 689

Reviewed by: 965

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WORK ORDER NUMBER: 15-07-1318

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Frey Environmental, Inc.

Client Project Name: Alamo Car Wash / 159-11

Attention: Sawyer Jones
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Approved for release on 07/29/2015 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

nelac

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Contents

Client Project Name: Alamo Car Wash / 159-11
Work Order Number: 15-07-1318

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Work Order Narrative

Work Order: 15-07-1318 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/21/15. They were assigned to Work Order 15-07-1318.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Sample Summary

Client:	Frey Environmental, Inc. 2817-A Lafayette Avenue Newport Beach, CA 92663-3715	Work Order:	15-07-1318
		Project Name:	Alamo Car Wash / 159-11
		PO Number:	
		Date/Time Received:	07/21/15 13:30
		Number of Containers:	1
Attn:	Sawyer Jones		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Influent	15-07-1318-1	07/20/15 15:00	1	Air

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Detections Summary

Client:	Frey Environmental, Inc.	Work Order:	15-07-1318
	2817-A Lafayette Avenue	Project Name:	Alamo Car Wash / 159-11
	Newport Beach, CA 92663-3715	Received:	07/21/15
Attn:	Sawyer Jones		Page 1 of 1

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
Influent (15-07-1318-1)						
Benzene	7.4		5.0	ppb (v/v)	EPA TO-15M	N/A
2-Butanone	74		15	ppb (v/v)	EPA TO-15M	N/A
Ethylbenzene	74		5.0	ppb (v/v)	EPA TO-15M	N/A
4-Ethyltoluene	7.9		5.0	ppb (v/v)	EPA TO-15M	N/A
Methyl-t-Butyl Ether (MTBE)	23		20	ppb (v/v)	EPA TO-15M	N/A
o-Xylene	41		5.0	ppb (v/v)	EPA TO-15M	N/A
p/m-Xylene	150		20	ppb (v/v)	EPA TO-15M	N/A
Tert-Butyl Alcohol (TBA)	1100		50	ppb (v/v)	EPA TO-15M	N/A
1,3,5-Trimethylbenzene	14		5.0	ppb (v/v)	EPA TO-15M	N/A
TPH as Gasoline	720		12	ppm (v/v)	EPA TO-3M	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 07/21/15
Work Order: 15-07-1318
Preparation: N/A
Method: EPA TO-15M
Units: ppb (v/v)

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Influent	**15-07-1318-1-A**	**07/20/15 15:00**	**Air**	**GC/MS NN**	**N/A**	**07/22/15 08:17**	**150721L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	500	10.0	
Benzene	7.4	5.0	10.0	
Benzyl Chloride	ND	15	10.0	
Bromodichloromethane	ND	5.0	10.0	
Bromoform	ND	5.0	10.0	
Bromomethane	ND	5.0	10.0	
2-Butanone	74	15	10.0	
Carbon Disulfide	ND	100	10.0	
Carbon Tetrachloride	ND	5.0	10.0	
Chlorobenzene	ND	5.0	10.0	
Chloroethane	ND	5.0	10.0	
Chloroform	ND	5.0	10.0	
Chloromethane	ND	5.0	10.0	
Dibromochloromethane	ND	5.0	10.0	
Dichlorodifluoromethane	ND	5.0	10.0	
Diisopropyl Ether (DIPE)	ND	20	10.0	
1,1-Dichloroethane	ND	5.0	10.0	
1,1-Dichloroethene	ND	5.0	10.0	
1,2-Dibromoethane	ND	5.0	10.0	
Dichlorotetrafluoroethane	ND	20	10.0	
1,2-Dichlorobenzene	ND	5.0	10.0	
1,2-Dichloroethane	ND	5.0	10.0	
1,2-Dichloropropane	ND	5.0	10.0	
1,3-Dichlorobenzene	ND	5.0	10.0	
1,4-Dichlorobenzene	ND	5.0	10.0	
c-1,3-Dichloropropene	ND	5.0	10.0	
c-1,2-Dichloroethene	ND	5.0	10.0	
t-1,2-Dichloroethene	ND	5.0	10.0	
t-1,3-Dichloropropene	ND	10	10.0	
Ethanol	ND	500	10.0	
Ethyl-t-Butyl Ether (ETBE)	ND	20	10.0	
Ethylbenzene	74	5.0	10.0	
4-Ethyltoluene	7.9	5.0	10.0	
Hexachloro-1,3-Butadiene	ND	15	10.0	
2-Hexanone	ND	15	10.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Car Wash / 159-11

Date Received: 07/21/15
Work Order: 15-07-1318
Preparation: N/A
Method: EPA TO-15M
Units: ppb (v/v)

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	23	20	10.0	
Methylene Chloride	ND	50	10.0	
4-Methyl-2-Pentanone	ND	15	10.0	
Naphthalene	ND	50	10.0	
o-Xylene	41	5.0	10.0	
p/m-Xylene	150	20	10.0	
Styrene	ND	15	10.0	
Tert-Amyl-Methyl Ether (TAME)	ND	20	10.0	
Tert-Butyl Alcohol (TBA)	1100	50	10.0	
Tetrachloroethene	ND	5.0	10.0	
Toluene	ND	50	10.0	
Trichloroethene	ND	5.0	10.0	
Trichlorofluoromethane	ND	10	10.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	15	10.0	
1,1,1-Trichloroethane	ND	5.0	10.0	
1,1,2-Trichloroethane	ND	5.0	10.0	
1,3,5-Trimethylbenzene	14	5.0	10.0	
1,1,2,2-Tetrachloroethane	ND	10	10.0	
1,2,4-Trimethylbenzene	ND	15	10.0	
1,2,4-Trichlorobenzene	ND	20	10.0	
Vinyl Acetate	ND	20	10.0	
Vinyl Chloride	ND	5.0	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	124	57-129	
1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	61	78-156	2,6

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 07/21/15
Work Order: 15-07-1318
Preparation: N/A
Method: EPA TO-15M
Units: ppb (v/v)

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-981-5632**	**N/A**	**Air**	**GC/MS NN**	**N/A**	**07/21/15 16:45**	**150721L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	50	1.00	
Benzene	ND	0.50	1.00	
Benzyl Chloride	ND	1.5	1.00	
Bromodichloromethane	ND	0.50	1.00	
Bromoform	ND	0.50	1.00	
Bromomethane	ND	0.50	1.00	
2-Butanone	ND	1.5	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	0.50	1.00	
Chloroethane	ND	0.50	1.00	
Chloroform	ND	0.50	1.00	
Chloromethane	ND	0.50	1.00	
Dibromochloromethane	ND	0.50	1.00	
Dichlorodifluoromethane	ND	0.50	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
1,1-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
Dichlorotetrafluoroethane	ND	2.0	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	0.50	1.00	
t-1,2-Dichloroethene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	1.0	1.00	
Ethanol	ND	50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Ethylbenzene	ND	0.50	1.00	
4-Ethyltoluene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	1.5	1.00	
2-Hexanone	ND	1.5	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	07/21/15
2817-A Lafayette Avenue	Work Order:	15-07-1318
Newport Beach, CA 92663-3715	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	ppb (v/v)
Project: Alamo Car Wash / 159-11		Page 4 of 4

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	
Methylene Chloride	ND	5.0	1.00	
4-Methyl-2-Pentanone	ND	1.5	1.00	
Naphthalene	ND	5.0	1.00	
o-Xylene	ND	0.50	1.00	
p/m-Xylene	ND	2.0	1.00	
Styrene	ND	1.5	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Tetrachloroethene	ND	0.50	1.00	
Toluene	ND	5.0	1.00	
Trichloroethene	ND	0.50	1.00	
Trichlorofluoromethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.50	1.00	
1,1,2-Trichloroethane	ND	0.50	1.00	
1,3,5-Trimethylbenzene	ND	0.50	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
Vinyl Acetate	ND	2.0	1.00	
Vinyl Chloride	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	57-129	
1,2-Dichloroethane-d4	92	47-137	
Toluene-d8	103	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	07/21/15
2817-A Lafayette Avenue		Work Order:	15-07-1318
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA TO-3M
		Units:	ppm (v/v)
Project: Alamo Car Wash / 159-11			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Influent	**15-07-1318-1-A**	**07/20/15 15:00**	**Air**	**GC 60**	**N/A**	**07/21/15 19:06**	**150721L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	720	12	2.50	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**098-01-005-6536**	**N/A**	**Air**	**GC 60**	**N/A**	**07/21/15 10:01**	**150721L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	5.0	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Sample Duplicate

Frey Environmental, Inc.		Date Received:	07/21/15
2817-A Lafayette Avenue		Work Order:	15-07-1318
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA TO-3M
Project: Alamo Car Wash / 159-11			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-07-1252-7	**Sample**	**Air**	**GC 60**	**N/A**	**07/21/15 12:11**	**150721D01**
15-07-1252-7	**Sample Duplicate**	**Air**	**GC 60**	**N/A**	**07/21/15 12:33**	**150721D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
TPH as Gasoline	189.7	165.9	13	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Car Wash / 159-11

Date Received: 07/21/15
Work Order: 15-07-1318
Preparation: N/A
Method: EPA TO-15M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-5632	**LCS**	**Air**	**GC/MS NN**	**N/A**	**07/21/15 13:48**	**150721L01**
099-12-981-5632	**LCSD**	**Air**	**GC/MS NN**	**N/A**	**07/21/15 14:44**	**150721L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	25.00	22.19	89	22.09	88	50-150	33-167	0	0-35	
Benzene	25.00	25.08	100	25.47	102	60-156	44-172	2	0-40	
Benzyl Chloride	25.00	25.73	103	26.56	106	50-150	33-167	3	0-35	
Bromodichloromethane	25.00	24.75	99	24.98	100	50-150	33-167	1	0-35	
Bromoform	25.00	26.60	106	26.99	108	50-150	33-167	1	0-38	
Bromomethane	25.00	23.88	96	23.76	95	50-150	33-167	0	0-35	
2-Butanone	25.00	23.32	93	23.37	93	50-150	33-167	0	0-35	
Carbon Disulfide	25.00	25.01	100	25.26	101	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	23.65	95	23.87	95	64-154	49-169	1	0-32	
Chlorobenzene	25.00	24.05	96	24.23	97	50-150	33-167	1	0-35	
Chloroethane	25.00	20.51	82	20.34	81	50-150	33-167	1	0-35	
Chloroform	25.00	22.52	90	22.66	91	50-150	33-167	1	0-35	
Chloromethane	25.00	23.87	95	23.71	95	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	23.70	95	24.08	96	50-150	33-167	2	0-35	
Dichlorodifluoromethane	25.00	19.73	79	19.55	78	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	21.59	86	21.42	86	60-140	47-153	1	0-30	
1,1-Dichloroethane	25.00	22.73	91	22.83	91	50-150	33-167	0	0-35	
1,1-Dichloroethene	25.00	21.67	87	21.73	87	50-150	33-167	0	0-35	
1,2-Dibromoethane	25.00	23.83	95	24.25	97	54-144	39-159	2	0-36	
Dichlorotetrafluoroethane	25.00	19.74	79	19.56	78	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	23.31	93	24.00	96	34-160	13-181	3	0-47	
1,2-Dichloroethane	25.00	22.28	89	22.30	89	69-153	55-167	0	0-35	
1,2-Dichloropropane	25.00	24.18	97	24.47	98	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	23.92	96	24.60	98	50-150	33-167	3	0-35	
1,4-Dichlorobenzene	25.00	23.80	95	24.57	98	36-156	16-176	3	0-47	
c-1,3-Dichloropropene	25.00	25.41	102	25.65	103	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	23.18	93	23.60	94	50-150	33-167	2	0-35	
t-1,2-Dichloroethene	25.00	23.63	95	23.95	96	50-150	33-167	1	0-35	
t-1,3-Dichloropropene	25.00	27.58	110	27.90	112	50-150	33-167	1	0-35	
Ethanol	100.0	96.26	96	71.77	72	60-140	47-153	29	0-30	
Ethyl-t-Butyl Ether (ETBE)	25.00	22.69	91	22.79	91	60-140	47-153	0	0-30	
Ethylbenzene	25.00	24.79	99	25.22	101	52-154	35-171	2	0-38	
4-Ethyltoluene	25.00	23.74	95	24.32	97	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	25.00	28.50	114	30.05	120	50-150	33-167	5	0-35	
2-Hexanone	25.00	24.21	97	24.62	98	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	24.09	96	24.11	96	50-150	33-167	0	0-35	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.		Date Received:	07/21/15
2817-A Lafayette Avenue		Work Order:	15-07-1318
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA TO-15M
Project: Alamo Car Wash / 159-11			Page 2 of 3

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Methylene Chloride	25.00	22.25	89	22.47	90	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	25.40	102	25.55	102	50-150	33-167	1	0-35	
Naphthalene	25.00	23.19	93	24.74	99	40-190	15-215	6	0-30	
o-Xylene	25.00	24.09	96	24.54	98	52-148	36-164	2	0-38	
p/m-Xylene	50.00	49.38	99	49.87	100	42-156	23-175	1	0-41	
Styrene	25.00	24.43	98	24.96	100	50-150	33-167	2	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	23.32	93	23.58	94	60-140	47-153	1	0-30	
Tert-Butyl Alcohol (TBA)	50.00	46.06	92	46.83	94	60-140	47-153	2	0-30	
Tetrachloroethene	25.00	26.26	105	26.79	107	56-152	40-168	2	0-40	
Toluene	25.00	25.56	102	26.02	104	56-146	41-161	2	0-43	
Trichloroethene	25.00	24.01	96	24.28	97	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	22.36	89	22.29	89	50-150	33-167	0	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	22.62	90	22.78	91	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	22.52	90	22.68	91	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	24.78	99	25.07	100	65-149	51-163	1	0-37	
1,3,5-Trimethylbenzene	25.00	23.61	94	24.25	97	50-150	33-167	3	0-35	
1,1,2,2-Tetrachloroethane	25.00	22.51	90	23.03	92	50-150	33-167	2	0-35	
1,2,4-Trimethylbenzene	25.00	23.38	94	24.02	96	50-150	33-167	3	0-35	
1,2,4-Trichlorobenzene	25.00	29.58	118	31.16	125	50-150	33-167	5	0-35	
Vinyl Acetate	25.00	21.68	87	21.90	88	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	24.10	96	24.06	96	45-177	23-199	0	0-36	

Total number of LCS compounds: 57
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Frey Environmental, Inc.		Date Received:	07/21/15
2817-A Lafayette Avenue		Work Order:	15-07-1318
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA TO-3M
Project: Alamo Car Wash / 159-11			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
098-01-005-6536	**LCS**	**Air**	**GC 60**	**N/A**	**07/21/15 09:35**	**150721L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	200.0	183.5	92	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-07-1318 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA TO-15M	N/A	866	GC/MS NN	2
EPA TO-3M	N/A	1008	GC 60	2

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Glossary of Terms and Qualifiers

Work Order: 15-07-1318 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

☐ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

WO # / LAB USE ONLY
☐ 15-07-1318 ☐

Date 7-20-15

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LABORATORY CLIENT: Frey Environmental Inc.

ADDRESS: 2817 A Lafayette Ave.

CITY: Newport Beach STATE: CA ZIP: 92663

TEL: (949) 723-1645 E-MAIL: Sawyerjones@freyinc.com

CLIENT PROJECT NAME / NUMBER: Alamo Car Wash / 159-11

P.O. NO.: 159-11

PROJECT CONTACT: Sawyer Jones

SAMPLER(S): (PRINT) Chris J.

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ STANDARD

☐ COELT EDF

GLOBAL ID

LOG CODE

SPECIAL INSTRUCTIONS:
EDF Required

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH (g) or GRO	TPH (d) or DRO or (C6C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010B/747X)	Cr(VI) [7196 or 7199 or 218.6]	8260B (TPHg / BTEX/oxys)	Fullscan VOC 8260			
01	Influent	7-20-15	3:00	V	1																	X	X			

Relinquished by: (Signature) — Received by: (Signature/Affiliation) — Date: 7/21/15 — Time: 1330

Relinquished by: (Signature) — Received by: (Signature/Affiliation) — Date: — Time:

Relinquished by: (Signature) — Received by: (Signature/Affiliation) — Date: — Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

09/01/13 Revision

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WORK ORDER NUMBER: 15-07- 1318

SAMPLE RECEIPT CHECKLIST

COOLER 0 OF 0

CLIENT: Frey Env'l., Inc.

DATE: 07 / 21 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): _____°C (w/ CF): _____°C; ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☑ Air ☐ Filter Checked by: 836

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☐ Not Present ☑ N/A Checked by: 836

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 836

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☑	☐	☐

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna_2 ☐ 100PJ ☐ 100PJna_2 ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGBs ☐ 250PB ☐ 250PBn ☐ 500AGB ☐ 500AGJ ☐ 500AGJs ☐ 500PB ☐ 1AGB ☐ 1AGBna_2 ☐ 1AGBs ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☑ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na_2** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: SM6

Reviewed by: 689

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WORK ORDER NUMBER: 15-07-1746

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Frey Environmental, Inc.

Client Project Name: Alamo Carwash / 159-11

Attention: Sawyer Jones
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Approved for release on 08/04/2015 by:
Stephen Nowak
Project Manager

ResultLink ▸

Email your PM ▸

nelac

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Client Project Name: Alamo Carwash / 159-11
Work Order Number: 15-07-1746

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Work Order Narrative

Work Order: 15-07-1746 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/28/15. They were assigned to Work Order 15-07-1746.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Sample Summary

Client:	Frey Environmental, Inc.	Work Order:	15-07-1746
	2817-A Lafayette Avenue	Project Name:	Alamo Carwash / 159-11
	Newport Beach, CA 92663-3715	PO Number:	
		Date/Time Received:	07/28/15 14:00
		Number of Containers:	1
Attn:	Sawyer Jones		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Influent	15-07-1746-1	07/27/15 13:05	1	Air

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Detections Summary

Client:	Frey Environmental, Inc.	Work Order:	15-07-1746
	2817-A Lafayette Avenue	Project Name:	Alamo Carwash / 159-11
	Newport Beach, CA 92663-3715	Received:	07/28/15
Attn:	Sawyer Jones		Page 1 of 1

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
Influent (15-07-1746-1)						
2-Butanone	58		7.5	ppb (v/v)	EPA TO-15M	N/A
Chloroethane	4.9		2.5	ppb (v/v)	EPA TO-15M	N/A
Chloromethane	3.0		2.5	ppb (v/v)	EPA TO-15M	N/A
Ethylbenzene	69		2.5	ppb (v/v)	EPA TO-15M	N/A
4-Ethyltoluene	5.3		2.5	ppb (v/v)	EPA TO-15M	N/A
o-Xylene	12		2.5	ppb (v/v)	EPA TO-15M	N/A
p/m-Xylene	55		10	ppb (v/v)	EPA TO-15M	N/A
Tert-Butyl Alcohol (TBA)	91		25	ppb (v/v)	EPA TO-15M	N/A
1,3,5-Trimethylbenzene	7.8		2.5	ppb (v/v)	EPA TO-15M	N/A
TPH as Gasoline	710		12	ppm (v/v)	EPA TO-3M	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Carwash / 159-11

Date Received: 07/28/15
Work Order: 15-07-1746
Preparation: N/A
Method: EPA TO-15M
Units: ppb (v/v)

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Influent	**15-07-1746-1-A**	**07/27/15 13:05**	**Air**	**GC/MS II**	**N/A**	**07/29/15 04:01**	**150728L03**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	250	5.00	
Benzene	ND	2.5	5.00	
Benzyl Chloride	ND	7.5	5.00	
Bromodichloromethane	ND	2.5	5.00	
Bromoform	ND	2.5	5.00	
Bromomethane	ND	2.5	5.00	
2-Butanone	58	7.5	5.00	
Carbon Disulfide	ND	50	5.00	
Carbon Tetrachloride	ND	2.5	5.00	
Chlorobenzene	ND	2.5	5.00	
Chloroethane	4.9	2.5	5.00	
Chloroform	ND	2.5	5.00	
Chloromethane	3.0	2.5	5.00	
Dibromochloromethane	ND	2.5	5.00	
Dichlorodifluoromethane	ND	2.5	5.00	
Diisopropyl Ether (DIPE)	ND	10	5.00	
1,1-Dichloroethane	ND	2.5	5.00	
1,1-Dichloroethene	ND	2.5	5.00	
1,2-Dibromoethane	ND	2.5	5.00	
Dichlorotetrafluoroethane	ND	10	5.00	
1,2-Dichlorobenzene	ND	2.5	5.00	
1,2-Dichloroethane	ND	2.5	5.00	
1,2-Dichloropropane	ND	2.5	5.00	
1,3-Dichlorobenzene	ND	2.5	5.00	
1,4-Dichlorobenzene	ND	2.5	5.00	
c-1,3-Dichloropropene	ND	2.5	5.00	
c-1,2-Dichloroethene	ND	2.5	5.00	
t-1,2-Dichloroethene	ND	2.5	5.00	
t-1,3-Dichloropropene	ND	5.0	5.00	
Ethanol	ND	250	5.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	5.00	
Ethylbenzene	69	2.5	5.00	
4-Ethyltoluene	5.3	2.5	5.00	
Hexachloro-1,3-Butadiene	ND	7.5	5.00	
2-Hexanone	ND	7.5	5.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	07/28/15
2817-A Lafayette Avenue	Work Order:	15-07-1746
Newport Beach, CA 92663-3715	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	ppb (v/v)
Project: Alamo Carwash / 159-11		Page 2 of 4

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	10	5.00	
Methylene Chloride	ND	25	5.00	
4-Methyl-2-Pentanone	ND	7.5	5.00	
Naphthalene	ND	25	5.00	
o-Xylene	12	2.5	5.00	
p/m-Xylene	55	10	5.00	
Styrene	ND	7.5	5.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	5.00	
Tert-Butyl Alcohol (TBA)	91	25	5.00	
Tetrachloroethene	ND	2.5	5.00	
Toluene	ND	25	5.00	
Trichloroethene	ND	2.5	5.00	
Trichlorofluoromethane	ND	5.0	5.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.5	5.00	
1,1,1-Trichloroethane	ND	2.5	5.00	
1,1,2-Trichloroethane	ND	2.5	5.00	
1,3,5-Trimethylbenzene	7.8	2.5	5.00	
1,1,2,2-Tetrachloroethane	ND	5.0	5.00	
1,2,4-Trimethylbenzene	ND	7.5	5.00	
1,2,4-Trichlorobenzene	ND	10	5.00	
Vinyl Acetate	ND	10	5.00	
Vinyl Chloride	ND	2.5	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	112	57-129	
1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	49	78-156	2,6

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Carwash / 159-11

Date Received: 07/28/15
Work Order: 15-07-1746
Preparation: N/A
Method: EPA TO-15M
Units: ppb (v/v)

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-981-5665**	**N/A**	**Air**	**GC/MS II**	**N/A**	**07/28/15 15:46**	**150728L03**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	50	1.00	
Benzene	ND	0.50	1.00	
Benzyl Chloride	ND	1.5	1.00	
Bromodichloromethane	ND	0.50	1.00	
Bromoform	ND	0.50	1.00	
Bromomethane	ND	0.50	1.00	
2-Butanone	ND	1.5	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	0.50	1.00	
Chloroethane	ND	0.50	1.00	
Chloroform	ND	0.50	1.00	
Chloromethane	ND	0.50	1.00	
Dibromochloromethane	ND	0.50	1.00	
Dichlorodifluoromethane	ND	0.50	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
1,1-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
Dichlorotetrafluoroethane	ND	2.0	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	0.50	1.00	
t-1,2-Dichloroethene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	1.0	1.00	
Ethanol	ND	50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Ethylbenzene	ND	0.50	1.00	
4-Ethyltoluene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	1.5	1.00	
2-Hexanone	ND	1.5	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	07/28/15
2817-A Lafayette Avenue	Work Order:	15-07-1746
Newport Beach, CA 92663-3715	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	ppb (v/v)
Project: Alamo Carwash / 159-11		Page 4 of 4

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	
Methylene Chloride	ND	5.0	1.00	
4-Methyl-2-Pentanone	ND	1.5	1.00	
Naphthalene	ND	5.0	1.00	
o-Xylene	ND	0.50	1.00	
p/m-Xylene	ND	2.0	1.00	
Styrene	ND	1.5	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Tetrachloroethene	ND	0.50	1.00	
Toluene	ND	5.0	1.00	
Trichloroethene	ND	0.50	1.00	
Trichlorofluoromethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.50	1.00	
1,1,2-Trichloroethane	ND	0.50	1.00	
1,3,5-Trimethylbenzene	ND	0.50	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
Vinyl Acetate	ND	2.0	1.00	
Vinyl Chloride	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	57-129	
1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	97	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	07/28/15
2817-A Lafayette Avenue		Work Order:	15-07-1746
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA TO-3M
		Units:	ppm (v/v)
Project: Alamo Carwash / 159-11			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Influent	**15-07-1746-1-A**	**07/27/15 13:05**	**Air**	**GC 13**	**N/A**	**07/28/15 16:45**	**150728L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	710	12	2.50	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**098-01-005-6545**	**N/A**	**Air**	**GC 13**	**N/A**	**07/28/15 10:17**	**150728L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	5.0	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Sample Duplicate

Frey Environmental, Inc.		Date Received:	07/28/15
2817-A Lafayette Avenue		Work Order:	15-07-1746
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA TO-3M
Project: Alamo Carwash / 159-11			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
Influent	**Sample**	**Air**	**GC 13**	**N/A**	**07/28/15 16:45**	**150728D01**
Influent	**Sample Duplicate**	**Air**	**GC 13**	**N/A**	**07/28/15 17:02**	**150728D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
TPH as Gasoline	710.2	709.3	0	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Carwash / 159-11

Date Received: 07/28/15
Work Order: 15-07-1746
Preparation: N/A
Method: EPA TO-15M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-5665	**LCS**	**Air**	**GC/MS II**	**N/A**	**07/28/15 13:11**	**150728L03**
099-12-981-5665	**LCSD**	**Air**	**GC/MS II**	**N/A**	**07/28/15 14:01**	**150728L03**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	25.00	23.25	93	22.99	92	50-150	33-167	1	0-35	
Benzene	25.00	19.61	78	19.72	79	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	24.57	98	24.07	96	50-150	33-167	2	0-35	
Bromodichloromethane	25.00	21.29	85	21.17	85	50-150	33-167	1	0-35	
Bromoform	25.00	24.73	99	23.89	96	50-150	33-167	3	0-38	
Bromomethane	25.00	23.92	96	23.57	94	50-150	33-167	1	0-35	
2-Butanone	25.00	19.90	80	19.89	80	50-150	33-167	0	0-35	
Carbon Disulfide	25.00	19.29	77	19.07	76	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	23.02	92	22.95	92	64-154	49-169	0	0-32	
Chlorobenzene	25.00	20.97	84	20.48	82	50-150	33-167	2	0-35	
Chloroethane	25.00	22.17	89	22.10	88	50-150	33-167	0	0-35	
Chloroform	25.00	21.56	86	21.38	86	50-150	33-167	1	0-35	
Chloromethane	25.00	21.32	85	21.23	85	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	22.00	88	21.40	86	50-150	33-167	3	0-35	
Dichlorodifluoromethane	25.00	22.48	90	22.14	89	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	17.91	72	17.95	72	60-140	47-153	0	0-30	
1,1-Dichloroethane	25.00	19.44	78	19.37	77	50-150	33-167	0	0-35	
1,1-Dichloroethene	25.00	24.68	99	23.80	95	50-150	33-167	4	0-35	
1,2-Dibromoethane	25.00	21.35	85	20.82	83	54-144	39-159	3	0-36	
Dichlorotetrafluoroethane	25.00	22.03	88	21.58	86	50-150	33-167	2	0-35	
1,2-Dichlorobenzene	25.00	22.91	92	22.48	90	34-160	13-181	2	0-47	
1,2-Dichloroethane	25.00	22.16	89	21.72	87	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	18.99	76	19.11	76	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	22.93	92	22.36	89	50-150	33-167	3	0-35	
1,4-Dichlorobenzene	25.00	22.88	92	22.37	89	36-156	16-176	2	0-47	
c-1,3-Dichloropropene	25.00	21.25	85	21.56	86	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	20.36	81	20.43	82	50-150	33-167	0	0-35	
t-1,2-Dichloroethene	25.00	19.61	78	19.51	78	50-150	33-167	1	0-35	
t-1,3-Dichloropropene	25.00	23.84	95	24.01	96	50-150	33-167	1	0-35	
Ethanol	100.0	87.17	87	85.83	86	60-140	47-153	2	0-30	
Ethyl-t-Butyl Ether (ETBE)	25.00	19.87	79	19.79	79	60-140	47-153	0	0-30	
Ethylbenzene	25.00	20.85	83	20.42	82	52-154	35-171	2	0-38	
4-Ethyltoluene	25.00	21.86	87	21.34	85	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	25.00	22.31	89	21.50	86	50-150	33-167	4	0-35	
2-Hexanone	25.00	19.91	80	19.66	79	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	20.99	84	20.70	83	50-150	33-167	1	0-35	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.	Date Received: 07/28/15
2817-A Lafayette Avenue	Work Order: 15-07-1746
Newport Beach, CA 92663-3715	Preparation: N/A
	Method: EPA TO-15M
Project: Alamo Carwash / 159-11	Page 2 of 3

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Methylene Chloride	25.00	20.28	81	19.80	79	50-150	33-167	2	0-35	
4-Methyl-2-Pentanone	25.00	20.06	80	20.25	81	50-150	33-167	1	0-35	
Naphthalene	25.00	23.43	94	22.44	90	40-190	15-215	4	0-30	
o-Xylene	25.00	20.64	83	20.11	80	52-148	36-164	3	0-38	
p/m-Xylene	50.00	42.54	85	41.24	82	42-156	23-175	3	0-41	
Styrene	25.00	21.52	86	21.13	85	50-150	33-167	2	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	20.38	82	20.52	82	60-140	47-153	1	0-30	
Tert-Butyl Alcohol (TBA)	50.00	41.00	82	39.24	78	60-140	47-153	4	0-30	
Tetrachloroethene	25.00	23.58	94	22.81	91	56-152	40-168	3	0-40	
Toluene	25.00	20.41	82	19.87	79	56-146	41-161	3	0-43	
Trichloroethene	25.00	21.27	85	21.38	86	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	24.24	97	23.57	94	50-150	33-167	3	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	23.06	92	22.63	91	50-150	33-167	2	0-35	
1,1,1-Trichloroethane	25.00	22.26	89	21.88	88	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	19.88	80	20.13	81	65-149	51-163	1	0-37	
1,3,5-Trimethylbenzene	25.00	21.28	85	20.68	83	50-150	33-167	3	0-35	
1,1,2,2-Tetrachloroethane	25.00	19.44	78	18.99	76	50-150	33-167	2	0-35	
1,2,4-Trimethylbenzene	25.00	22.74	91	21.96	88	50-150	33-167	4	0-35	
1,2,4-Trichlorobenzene	25.00	26.94	108	25.73	103	50-150	33-167	5	0-35	
Vinyl Acetate	25.00	19.02	76	18.91	76	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	21.54	86	21.34	85	45-177	23-199	1	0-36	

Total number of LCS compounds: 57
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Frey Environmental, Inc.		Date Received:	07/28/15
2817-A Lafayette Avenue		Work Order:	15-07-1746
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	EPA TO-3M
Project: Alamo Carwash / 159-11			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
098-01-005-6545	**LCS**	**Air**	**GC 13**	**N/A**	**07/28/15 09:54**	**150728L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	200.0	214.5	107	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-07-1746 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA TO-15M	N/A	866	GC/MS II	2
EPA TO-3M	N/A	1024	GC 13	2

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Glossary of Terms and Qualifiers

Work Order: 15-07-1746 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 7-27-15

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LABORATORY CLIENT: FREY ENVIRONMENTAL, INC.	CLIENT PROJECT NAME / NUMBER: Alamo Car Wash/159-11
ADDRESS: 2817-A LAFAYETTE AVENUE	PROJECT CONTACT: Sawyer Jones
CITY: NEWPORT BEACH, STATE: CA ZIP: 92663-3715	SAMPLER(S): (PRINT) Chris J.
TEL: 949/723-1645 FAX: 949/723/1854 E-Mail: Sawyerjones@freyinc.com	COELT LOG CODE: ☐☐☐☐
P.O. NO.: 159-11	LAB USE ONLY: ☐ 15-07-1746
COOLER RECEIPT TEMP= °C	

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ COELT REPORTING

SPECIAL INSTRUCTIONS:
EDF Required

REQUESTED ANALYSES

LAB USE ONLY	GEIMS ID	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or ____	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	BTEX / OXYGENATES	VOCs (8260B)	VOCs+(5035 / 8260B) EnCore	SVOCs (8270C)	PEST (8181A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310)	VOCs (TO-14A) or (TO-15)	8260B(TPH/BTEX/oxys) 8260 VOC Fullscan			
(1)		Influent	7-27-15	1:05	V	1															X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation) ECI	Date: 7/28/15 Time: 1345
Relinquished by: (Signature)	Received by: (Signature/Affiliation) ECI	Date: 7/28/15 Time: 14:00
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the green and yellow copies respectively.

05/01/07 Revision

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WORK ORDER NUMBER: 15-07- 1746

SAMPLE RECEIPT CHECKLIST

COOLER 0 OF 0

CLIENT: ARCy

DATE: 07 / 28 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): _____°C (w/ CF): _____°C; ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☑ Air ☐ Filter Checked by: 678

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☐ Not Present ☑ N/A Checked by: 678

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 965

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☑	☐	☐

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOAh ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** ☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☑ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 965

Reviewed by: SM

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WORK ORDER NUMBER: 15-07-1850

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Frey Environmental, Inc.

Client Project Name: Alamo Car Wash / 159-11

Attention: Sawyer Jones
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Approved for release on 08/05/2015 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

nelac

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Client Project Name: Alamo Car Wash / 159-11
Work Order Number: 15-07-1850

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Work Order Narrative

Work Order: 15-07-1850 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/29/15. They were assigned to Work Order 15-07-1850.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Sample Summary

Client:	Frey Environmental, Inc. 2817-A Lafayette Avenue Newport Beach, CA 92663-3715	Work Order:	15-07-1850
		Project Name:	Alamo Car Wash / 159-11
		PO Number:	
		Date/Time Received:	07/29/15 14:09
		Number of Containers:	4
Attn:	Sawyer Jones		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Influent	15-07-1850-1	07/28/15 13:15	4	Aqueous

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Detections Summary

Client:	Frey Environmental, Inc.	Work Order:	15-07-1850
	2817-A Lafayette Avenue	Project Name:	Alamo Car Wash / 159-11
	Newport Beach, CA 92663-3715	Received:	07/29/15
Attn:	Sawyer Jones		Page 1 of 1

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
Influent (15-07-1850-1)						
Tert-Butyl Alcohol (TBA)	140		10	ug/L	EPA 8260B	EPA 5030C
Solids, Total Dissolved	1620		10.0	mg/L	SM 2540 C	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

Frey Environmental, Inc.		Date Received:	07/29/15
2817-A Lafayette Avenue		Work Order:	15-07-1850
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	SM 2540 C
		Units:	mg/L
Project: Alamo Car Wash / 159-11			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Influent	**15-07-1850-1-D**	**07/28/15 13:15**	**Aqueous**	**N/A**	**07/31/15**	**07/31/15 18:00**	**F0731TDSL2**

Parameter	Result	RL	DF	Qualifiers
Solids, Total Dissolved	1620	10.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-180-4683**	**N/A**	**Aqueous**	**N/A**	**07/31/15**	**07/31/15 18:00**	**F0731TDSL2**

Parameter	Result	RL	DF	Qualifiers
Solids, Total Dissolved	ND	1.0	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Car Wash / 159-11

Date Received: 07/29/15
Work Order: 15-07-1850
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Influent	**15-07-1850-1-C**	**07/28/15 13:15**	**Aqueous**	**GC 57**	**08/04/15**	**08/04/15 23:51**	**150804L052**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	74	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-704-1161**	**N/A**	**Aqueous**	**GC 57**	**08/04/15**	**08/04/15 23:19**	**150804L052**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	78	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 07/29/15
Work Order: 15-07-1850
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Influent	**15-07-1850-1-A**	**07/28/15 13:15**	**Aqueous**	**GC/MS RR**	**07/30/15**	**07/30/15 16:09**	**150730L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	07/29/15
2817-A Lafayette Avenue	Work Order:	15-07-1850
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 2 of 6

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	140	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	07/29/15
2817-A Lafayette Avenue	Work Order:	15-07-1850
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 3 of 6

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	97	78-126	
1,2-Dichloroethane-d4	102	75-135	
Toluene-d8	104	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 07/29/15
Work Order: 15-07-1850
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-17780**	**N/A**	**Aqueous**	**GC/MS RR**	**07/30/15**	**07/30/15 12:58**	**150730L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	07/29/15
2817-A Lafayette Avenue	Work Order:	15-07-1850
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 5 of 6

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	07/29/15
2817-A Lafayette Avenue	Work Order:	15-07-1850
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 6 of 6

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	90	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	97	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.		Date Received:	07/29/15
2817-A Lafayette Avenue		Work Order:	15-07-1850
Newport Beach, CA 92663-3715		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Alamo Car Wash / 159-11			Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Influent	**Sample**	**Aqueous**	**GC 57**	**08/04/15**	**08/04/15 23:51**	**150804S016**
Influent	**Matrix Spike**	**Aqueous**	**GC 57**	**08/04/15**	**08/05/15 00:23**	**150804S016**
Influent	**Matrix Spike Duplicate**	**Aqueous**	**GC 57**	**08/04/15**	**08/05/15 00:54**	**150804S016**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	2000	1935	97	1875	94	68-122	3	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.		Date Received:	07/29/15
2817-A Lafayette Avenue		Work Order:	15-07-1850
Newport Beach, CA 92663-3715		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Alamo Car Wash / 159-11			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-07-1855-2	**Sample**	**Aqueous**	**GC/MS RR**	**07/30/15**	**07/30/15 14:03**	**150730S018**
15-07-1855-2	**Matrix Spike**	**Aqueous**	**GC/MS RR**	**07/30/15**	**07/30/15 19:47**	**150730S018**
15-07-1855-2	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS RR**	**07/30/15**	**07/30/15 20:19**	**150730S018**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	1.128	50.00	56.90	112	57.68	113	74-122	1	0-21	
Carbon Tetrachloride	ND	50.00	48.85	98	46.86	94	60-144	4	0-21	
Chlorobenzene	ND	50.00	55.96	112	55.65	111	73-120	1	0-22	
1,2-Dibromoethane	ND	50.00	54.70	109	53.80	108	80-122	2	0-20	
1,2-Dichlorobenzene	ND	50.00	56.13	112	55.49	111	70-120	1	0-26	
1,2-Dichloroethane	ND	50.00	63.57	127	64.21	128	64-142	1	0-20	
1,1-Dichloroethene	ND	50.00	48.12	96	45.93	92	52-136	5	0-21	
Ethylbenzene	ND	50.00	56.80	114	56.83	114	77-125	0	0-24	
Toluene	ND	50.00	59.73	119	63.04	126	72-126	5	0-23	
Trichloroethene	80.57	50.00	130.7	100	139.9	119	74-128	7	0-22	
Vinyl Chloride	ND	50.00	65.44	131	61.42	123	67-133	6	0-20	
p/m-Xylene	ND	100.0	118.7	119	117.2	117	63-129	1	0-25	
o-Xylene	ND	50.00	53.83	108	53.99	108	62-128	0	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	53.03	106	56.51	113	68-134	6	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	272.4	109	291.7	117	65-143	7	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	48.65	97	45.20	90	61-139	7	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	50.21	100	49.11	98	64-136	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	57.42	115	55.42	111	67-133	4	0-20	
Ethanol	ND	500.0	564.2	113	782.9	157	34-178	32	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

Frey Environmental, Inc.		Date Received:	07/29/15
2817-A Lafayette Avenue		Work Order:	15-07-1850
Newport Beach, CA 92663-3715		Preparation:	N/A
		Method:	SM 2540 C
Project: Alamo Car Wash / 159-11			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-07-1806-3	**Sample**	**Aqueous**	**N/A**	**07/31/15 00:00**	**07/31/15 18:00**	**F0731TDSD2**
15-07-1806-3	**Sample Duplicate**	**Aqueous**	**N/A**	**07/31/15 00:00**	**07/31/15 18:00**	**F0731TDSD2**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Dissolved	2860	2835	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.	Date Received: 07/29/15
2817-A Lafayette Avenue	Work Order: 15-07-1850
Newport Beach, CA 92663-3715	Preparation: N/A
	Method: SM 2540 C
Project: Alamo Car Wash / 159-11	Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-180-4683	**LCS**	**Aqueous**	**N/A**	**07/31/15**	**07/31/15 18:00**	**F0731TDSL2**
099-12-180-4683	**LCSD**	**Aqueous**	**N/A**	**07/31/15**	**07/31/15 18:00**	**F0731TDSL2**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Dissolved	100.0	100.0	100	95.00	95	80-120	5	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Frey Environmental, Inc.		Date Received:	07/29/15
2817-A Lafayette Avenue		Work Order:	15-07-1850
Newport Beach, CA 92663-3715		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Alamo Car Wash / 159-11			Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-704-1161	**LCS**	**Aqueous**	**GC 57**	**08/04/15**	**08/04/15 22:47**	**150804L052**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	2000	2023	101	78-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Car Wash / 159-11

Date Received: 07/29/15
Work Order: 15-07-1850
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-17780	**LCS**	**Aqueous**	**GC/MS RR**	**07/30/15**	**07/30/15 09:18**	**150730L001**
099-14-001-17780	**LCSD**	**Aqueous**	**GC/MS RR**	**07/30/15**	**07/30/15 09:49**	**150730L001**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	49.29	99	53.22	106	80-120	73-127	8	0-20	
Carbon Tetrachloride	50.00	47.81	96	45.42	91	67-139	55-151	5	0-20	
Chlorobenzene	50.00	51.61	103	50.58	101	78-120	71-127	2	0-20	
1,2-Dibromoethane	50.00	48.36	97	46.06	92	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	50.00	51.28	103	50.54	101	63-129	52-140	1	0-20	
1,2-Dichloroethane	50.00	54.12	108	60.33	121	70-130	60-140	11	0-20	
1,1-Dichloroethene	50.00	45.48	91	42.25	85	66-126	56-136	7	0-20	
Ethylbenzene	50.00	53.14	106	53.89	108	80-123	73-130	1	0-20	
Toluene	50.00	49.66	99	53.87	108	80-120	73-127	8	0-20	
Trichloroethene	50.00	47.21	94	47.98	96	80-122	73-129	2	0-20	
Vinyl Chloride	50.00	56.43	113	50.03	100	70-130	60-140	12	0-20	
p/m-Xylene	100.0	107.3	107	106.2	106	75-123	67-131	1	0-20	
o-Xylene	50.00	45.43	91	47.53	95	74-122	66-130	5	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	48.50	97	47.15	94	69-129	59-139	3	0-20	
Tert-Butyl Alcohol (TBA)	250.0	258.5	103	255.9	102	69-129	59-139	1	0-20	
Diisopropyl Ether (DIPE)	50.00	41.29	83	38.75	78	68-128	58-138	6	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	43.33	87	40.71	81	63-135	51-147	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	48.67	97	50.17	100	67-133	56-144	3	0-20	
Ethanol	500.0	721.8	144	614.1	123	42-168	21-189	16	0-20	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-07-1850 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8015B (M)	EPA 5030C	933	GC 57	2
EPA 8260B	EPA 5030C	996	GC/MS RR	2
SM 2540 C	N/A	1009	N/A	1

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Glossary of Terms and Qualifiers

Work Order: 15-07-1850 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 7-28-15

Page 1 of 1

LABORATORY CLIENT: FREY ENVIRONMENTAL, INC.	CLIENT PROJECT NAME / NUMBER: Alamo Car Wash / 159-11
ADDRESS: 2817-A LAFAYETTE AVENUE	PROJECT CONTACT: Sawyer Jones
CITY: NEWPORT BEACH, STATE: CA ZIP: 92663-3715	SAMPLER(S): (PRINT) Chris J.
TEL: 949/723-1645 FAX: 949/723/1854 E-Mail: Sawyerjones@freyinc.com	COELT LOG CODE: ☐☐☐☐
TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS	P.O. NO.: 159-11
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) ☐ RWQCB REPORTING ☐ COELT REPORTING	LAB USE ONLY: 15-07-1850
SPECIAL INSTRUCTIONS:	COOLER RECEIPT TEMP=_____°C

REQUESTED ANALYSES

LAB USE ONLY	GEIMS ID	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G) 8015M	TPH (D) or ____	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	BTEX / OXYGENATES	VOCs (8260B) Full Scan	VOCs+(5035 / 8260B) EnCore	SVOCs (8270C)	PEST (8181A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310)	VOCs (TO-14A) or (TO-15)	SM 2540C			
		Influent	7-28-15	1:15	H2O	4	X					X									X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation) ECI	Date: 7/29/15	Time: 14:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the green and yellow copies respectively.

05/01/07 Revision

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eurofins | Calscience

WORK ORDER NUMBER: 15-07-1850

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: FREY

DATE: 07/29/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 3.2 °C (w/ CF): 3.0 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 678

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 678

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 965

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☑	☐	☐
☑ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: 3 (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☑ VOAh ☐ VOAna_2 ☐ 100PJ ☐ 100PJna_2 ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna ☐ 250AGB ☐ 250CGB ☐ 250CGBs ☐ 250PB ☐ 250PBn ☐ 500AGB ☐ 500AGJ ☐ 500AGJs ☐ 500PB ☐ 1AGB ☐ 1AGBna_2 ☐ 1AGBs ☑ 1PB ☐ 1PBna ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na_2** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 965

Reviewed by: 659

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APPENDIX E

EXAMPLE CALCULATION FOR PETROLEUM HYDROCARBON REMOVAL RATE

EXAMPLE CALCULATIONS OF PETROLEUM HYDROCARBON MASS REMOVAL

CALCULATION OF MASS REMOVAL: VOLATILE-PHASE PETROLEUM HYDROCARBONS

The estimated hydrocarbon removal rate from wells used for vapor extraction can be calculated using the formula:

R = C Q where;
R= Removal Rate (mg/min)
C = Concentration (mg/l)
Q = Flow Rate (l/min)

Average Influent Concentration (C) - Conversion from ppmv to mg/l
The [mg/l] and [ppm gasoline] units are related by the equation:

$$C = (mg/l) = \frac{(ppmv\ gasoline)(100{,}000\ mg\ gasoline/mole\ gasoline)(1E\text{-}6)}{(0.0821\text{-}atm/deg.\ K\text{-}mole)(298\ deg.\ K)}$$

ppmv	mg/l
1,500	6.131

Measured Flow Rate (Q) - Conversion from CFM to liters/min

CFM	liters/min
136	3,851

Calculated Removal Rate (R=CQ) -

R= **23,610** mg/min
34.00 kg/day
74.80 lbs/day
12.36 gallons/day
3.12 lbs/hour

Given:
1 gallon gasoline = 6.05 pounds (avg.)
1 kilogram = 2.2 pounds
Q = 220 CFM = 6,230 liters/min

Example Estimation of Total Mass Removed for a Given Operation Period:
For Operation Period = 880 Hours

2,742.6	**lbs removed in**	**880**	**hours**
453.3	**Gal removed in**	**880**	**hours**

FREY ENVIRONMENTAL, INC.

Environmental Geologists, Engineers, Assessors

2817 A Lafayette Avenue
Newport Beach, CA 92663
(949) 723-1645
Fax (949) 723-1854
Email: Freyinc@Freyinc.com

November 7, 2016
159-11

Mr. Gregg Kwey
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013

RE: Post-Remediation Subsurface Soil Investigation
Alamo Car Wash
784 North Nogales Street
Walnut, California
(RWQCB ID #R-15014, GID #T0603774352)

Dear Mr. Kwey,

Attached please find a copy of a report prepared by FREY Environmental, Inc. titled "Post-Remediation Subsurface Soil Investigation" dated November 7, 2016 for the Alamo Car Wash facility located at 784 North Nogales Street in Walnut California.

Please contact us with any questions.

Sincerely,
FREY Environmental, Inc.

Sawyer Jones
Project Environmental
Scientist

cc: Dan and Sylvia Gerstner (via email)

State Water Resources Control Board
UST Cleanup Fund
(via electronic file)

POST-REMEDIATION
SUBSURFACE SOIL INVESTIGATION
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA
(RWQCB ID #R-15014, GLOBAL ID #T0603774352)

Prepared for:

Mr. Dan Gerstner/Ms. Sylvia Gerstner
Alamo Car Wash
P.O. Box 545
San Gabriel, California 91778

Prepared by:

FREY Environmental, Inc.
2817A Lafayette Avenue
Newport Beach, California 92663-3715
(949) 723-1645
freyinc@freyinc.com

Project No.: 159-11

November 7, 2016

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APPENDICES

1.0 INTRODUCTION

This report documents and presents the results of a post-remediation confirmation soil investigation conducted at the Alamo Car Wash facility located at 784 N. Nogales Street in Walnut, California (Site) (Figures 1 & 2). The work was conducted by FREY Environmental, Inc. (FREY) in general accordance with our workplan titled "Workplan Vapor Extraction Remediation Rebound Testing and Post Remediation Soil Borings" dated May 11, 2015 (FREY, 2015c). The workplan was approved by the Regional Water Quality Control Board (RWQCB) in a letter dated July 1, 2015 (RWQCB, 2015). A copy of the RWQCB letter is included in Appendix A.

2.0 SITE SETTING

2.1 SITE DESCRIPTION AND LAND USE

The Site is located at the southeast corner of North Nogales Street and Francesca Drive in Walnut, California. The Site is currently an active car wash facility and fueling station with the configuration shown on Figure 2. The current fueling system consists of four, double-walled fiberglass fuel underground storage tanks (USTs), including two 20,000-gallon gasoline USTs, one 12,000-gallon gasoline UST, and one 10,000-gallon diesel UST with associated fuel dispensers and product piping.

The Site boundaries currently include N. Nogales Street to the west, Francesca Drive to the north, a commercial building and vacant lot to the east, and a commercial building and residential properties to the south.

The estimated elevation at the Site is approximately 585 feet above mean sea level (feet msl), and the local topography slopes toward the southeast (USGS, 1966)(Figure 1).

2.2 REGIONAL GEOLOGY AND HYDROGEOLOGY

The Site is located on the southern flank of the San Jose Hills. The San Jose Hills are composed of a complex series of faults and anticlinal as well as synclinal structures consisting of north and south dipping Upper and Middle Miocene marine sediments. The major geologic features of the San Jose Hills are the west-east plunging San Jose Hills and Buzzard Peak anticlines and the San Jose Hills Fault. The geologic outcrops observed in the Site vicinity of the San Jose Hills from youngest to oldest are the Yorba Shale Member of the Monterey Formation, the Soquel Sandstone Member of the Monterey Formation, the La Vida Shale Member of the Monterey Formation, and late Miocene extrusive and pyroclastic volcanic rocks, respectively (Dibblee, 1999).

Regionally, the Site is located at the southern end of the San Gabriel Valley. The San Gabriel Valley is a broad alluvial plain sloping from the San Gabriel Mountains on the north to the Whittier

Narrows on the south. The San Gabriel Valley is bordered by a broad arc of hills that are structurally and geographically positioned in such a way that the surface outflow and all subsurface outflow from the valley must pass through the Whittier Narrows. Identifying the hills from west to east are the Repetto, Merced, Puente, and San Jose Hills (DWR, 1966).

The underlying water bearing formations in the San Gabriel Basin are principally unconsolidated and partially consolidated nonmarine sediments of Recent and Pleistocene age (DWR, 1966). Groundwater in the Site area is generally unconfined (CH2M Hill, 1986). These water-bearing formations consist of gravel, boulders and coarse sediments (DWR, 1966).

According to the Main San Gabriel Watermaster, the Site is located within the Puente Subbasin of the Main San Gabriel Basin. The Puente Subbasin is hydraulically connected and is a tributary to the Main San Gabriel Basin. The principal water-bearing formations consist of unconsolidated and semi-consolidated sediments (Watermaster, 2004).

According to the Los Angeles Department of Public Works (LADPW) and the Walnut Valley Water District (WVWD), depth to groundwater in the Puente Subbasin ranges from approximately 30 feet below ground surface (bgs) to 70 feet bgs (LADPW, 2004 & WVWD, 2004).

2.3 SITE GEOLOGY

Lithologies encountered during previous drilling activities conducted at the Site consisted predominantly of fine grained soils (clays and silts) with some coarse grained soils including silty sands, clayey sands, and poorly graded sands. The Yorba Shale Member of the Monterey Formation was encountered at depths ranging from 20 to 25 feet bgs in borings MW9, MW10, and MW13. The Yorba Shale Member of the Monterey Formation is characterized by interlayered thin-bedded gray shaly siltstone, fine grained sandstone and white weathering siliceous shale (Dibblee, 1999).

Figure 4 shows the location of the geologic cross-sections represented in Figures 4 and 5. The soil lithologies encountered at the Site during previous drilling operations are depicted on the subsurface geologic cross-sections presented as Figures 5 and 6.

2.4 SITE HYDROGEOLOGY

Groundwater beneath the Site is present at depths ranging from approximately 14 to 16 feet bgs in existing groundwater monitoring wells. The estimated groundwater flow direction at the Site is to the south (FREY, 2015a).

2.5 GROUNDWATER SUPPLY WELLS

Groundwater supply wells located in the City of Walnut are under the jurisdiction of the WVWD or Suburban Water Systems (SWS). According to the WVWD Water Quality/Production and Storage Department, groundwater in Walnut Valley is not potable and there are no groundwater supply wells located within a one-mile radius of the Site (WVWD, 2004). According to the Field Operations Department at SWS, no groundwater supply wells are located in the City of Walnut (SWS, 2004).

A groundwater supply well search was conducted in the Geotracker database and no wells are listed in the Site Vicinity (Geotracker, 2007). In addition, FREY contacted the LADPW for information regarding groundwater supply and/or monitoring wells. One groundwater well, LADPW well number 3108, is reported to be located approximately 3/4 mile south of the Site. Well 3108 was last measured on January 2, 2007, with a depth to groundwater of approximately 30 feet bgs. Well 3108 is listed as a privately owned well that is not in use (LADPW, 2007).

2.6 SURFACE WATER BODIES

The nearest surface water bodies to the Site include several minor tributaries to the San Jose Creek. The Site is located approximately 1 mile northwest of the San Jose Creek (USGS, 1966).

3.0 BACKGROUND

3.1 FUEL DISPENSING COMPLEX SOIL SAMPLING (FREY, 2000)

On September 27, 2000, FREY conducted a soil investigation at the Site following the removal of product piping as part of a fueling system upgrade project. Soil samples SP-1 through SP-14 were collected from beneath former product piping trenches at approximate depths ranging from 5 feet bgs to 9 feet bgs. Soil samples STP-1 through STP-4 were collected from a soil stockpile. The soil stockpile contained soil and pea gravel removed during the excavation of the product piping trenches (FREY, 2000).

Collected soil samples were analyzed for total petroleum hydrocarbons modified for gasoline (TPHg) and/or diesel (TPHd) in general accordance with EPA Method No. 8015M. Soil samples were also analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tert-butyl ether (MTBE) in general accordance with EPA Method No. 8021B. In addition, selected soil samples containing reported elevated MTBE concentrations were analyzed in general accordance with EPA Method No. 8260B (FREY, 2000).

A summary of soil sample chemical analysis results is presented in Table 1.

3.2 SOIL AND GROUNDWATER INVESTIGATION AND WELL INSTALLATION (FREY, 2005)

On July 14 and 15, 2005, FREY conducted an additional subsurface investigation that included the drilling of six soil borings (B1, B2, B3, MW1, MW2, and MW3) and the installation of three groundwater monitoring wells (MW1 through MW3) (Figure 3). Soil borings B1 through B3 were drilled to depths of approximately 30.5 feet bgs and soil borings MW1 through MW3 were drilled to depths ranging from approximately 41.5 to 46.5 feet bgs. Soil samples were collected from soil borings B1 through B3 and MW1 through MW3 at approximate 5-foot depth intervals from 5 feet bgs to the bottom of each boring. Groundwater monitoring wells MW1, MW2, and MW3 were screened from approximately 9 to 39 feet bgs, 8 to 38 feet bgs, and 14 to 44 feet bgs, respectively (FREY, 2005).

Concentrations of TPHg were detected in one or more soil samples collected and analyzed from borings B1 and MW1. The greatest concentration of TPHg was 4.5 milligrams per kilogram (mg/kg) detected in the soil sample collected at 15 feet bgs from boring MW1. TPHd was not detected in any of the samples collected and analyzed as part of this investigation (FREY, 2005).

BTEX was detected in one or more soil samples collected and analyzed from borings B1 and MW1. With the exception of 0.044 mg/kg of benzene detected in the soil sample collected and analyzed from boring MW1 at 15 feet bgs, benzene was not detected in any other soil samples (FREY 2005).

MTBE and tert-butyl alcohol (TBA) were detected in one or more soil samples collected from borings B1 through B3, MW1, and MW2. The greatest concentrations of MTBE and TBA detected were 0.60 mg/kg and 3.5 mg/kg, respectively, from the soil sample collected and analyzed from boring MW1 at 15 feet bgs. With the exception of detected concentrations of MTBE and TBA, no other fuel oxygenates were detected in any of the samples collected and analyzed as part of this investigation (FREY 2005).

A summary of soil sample chemical analysis results are presented in Table 1. A summary of well construction details is presented in Table 2.

3.3 ADDITIONAL ON-SITE AND OFF-SITE SUBSURFACE SOIL AND GROUNDWATER INVESTIGATION AND WELL INSTALLATION (FREY, 2007)

On December 18 and 19, 2006, FREY conducted an additional subsurface soil and groundwater investigation that included the drilling of four soil borings (MW4 through MW7) and the installation of four groundwater monitoring wells (MW4 through MW7). Borings MW4 through MW7 were drilled to depths of approximately 41.5 feet bgs. Soil samples were collected from soil borings MW4 through MW7 at approximate 5-foot depth intervals from 5 feet bgs to the bottom of each boring.

Groundwater monitoring well MW4 was screened from approximately 9 to 39 feet bgs. Groundwater monitoring wells MW5 through MW7 were screened from approximately 10 to 40 feet bgs (FREY, 2007).

Subsurface materials encountered during drilling consisted predominantly of fine grained soils including clays and silts with some coarse grained soils including silty sands, clayey sands, and poorly graded sands. With the exception of MW5, subsurface materials consisted of alternating beds of clays and silts, with clays being predominate from the surface to depths ranging from approximately 8 to 25 feet bgs. Silts, silty sands, and clayey sands were the predominate lithologies underlying the clay at thicknesses ranging from 10 to 30 feet. Subsurface materials encountered in soil boring MW5 consisted only of silty fine sands from the surface to approximately 20 feet bgs and alternating beds of silty sands and poorly graded sands from 20 feet to the bottom of the boring. Groundwater was encountered during the drilling of borings MW4 through MW7 at depths ranging from approximately 15 to 16 feet bgs (FREY, 2007).

Concentrations of TPHg were detected in one soil sample collected and analyzed from boring MW7 at 15 feet bgs with a concentration of 72 mg/kg. TPHg was not detected in any other samples collected and analyzed as part of this investigation (FREY, 2007).

TPHd was detected in two soil samples collected and analyzed from borings MW6 at 10 feet bgs and MW7 at 15 feet bgs with concentrations of 1.9 and 16 mg/kg, respectively. TPHd was not detected in any other samples collected and analyzed as part of this investigation (FREY, 2007).

BTEX were detected in one sample collected and analyzed from boring MW7 at 15 feet bgs. BTEX were not detected in any other samples collected and analyzed as part of this investigation (FREY, 2007).

MTBE was detected in samples collected and analyzed from boring MW5, at a depth of 15 feet bgs, and from boring MW6 at depths of 10 and 20 feet bgs. The greatest concentration of MTBE detected was 1.8 mg/kg from the soil sample collected and analyzed from boring MW6 at 10 feet bgs. With the exception of detected concentrations of MTBE, no other fuel oxygenates were detected (FREY, 2007).

A summary of soil sample chemical analysis results is presented in Table 1. A summary of well construction details is presented in Table 2.

3.4 ADDITIONAL SUBSURFACE SOIL AND GROUNDWATER INVESTIGATION AND REMEDIAL WELL INSTALLATION (FREY, 2007a)

On August 9, 2007, FREY conducted an additional subsurface investigation that included the drilling of four soil borings in which two air sparge wells (AS1 and AS2), one vapor extraction well (VE1), and one groundwater monitoring well (MW8) were installed. Borings AS1 and AS2

were drilled to depths of approximately 23 and 31 feet bgs, respectively. Boring VE1 was drilled to a depth of approximately 16.5 feet bgs, and boring MW8 was drilled to a depth of approximately 41.5 feet bgs. Soil samples were collected from soil borings AS1, VE1, and MW8 at approximate 5-foot depth intervals from 5 feet bgs to the bottom of each boring. Boring AS1 was continuously sampled from 20 feet bgs to the bottom of the boring. Air sparge wells AS1 and AS2 were screened from approximately 20 to 22.5 feet bgs, and 27.5 to 30 feet bgs, respectively. Vapor extraction well VE1 was screened from approximately 5 to 15 feet bgs. Groundwater monitoring well MW8 was screened from approximately 10 to 40 feet bgs (FREY, 2007a).

Subsurface materials encountered during drilling consisted predominantly of fine grained soils including clays and silts with some coarse grained soils including silty sands, clayey sands, and poorly graded sands. Subsurface materials consisted of silts and silty sands from the surface to approximately 20 feet bgs and alternating layers of fine grained sand, silts and clays from 20 feet to the bottom of each boring in soil borings drilled during this investigation. Groundwater was encountered at depths of approximately 15 feet during the drilling of borings AS1, AS2, and MW8 (FREY, 2007a).

Concentrations of TPHg were detected in two soil samples collected and analyzed from boring VE1 at depths of 10 and 15 feet bgs with concentrations of 0.99 and 1.2 mg/kg, respectively. TPHg was not detected in any other samples collected and analyzed as part of this investigation. TPHd was not detected in any of the samples collected and analyzed as part of this investigation (FREY, 2007a).

BTEX were detected in samples collected and analyzed from boring VE1 at 10 and 15 feet bgs. BTEX were not detected in any other samples collected and analyzed as part of this investigation (FREY, 2007a).

MTBE was detected in samples collected and analyzed from boring VE1 at depths of 5, 10, and 15 feet bgs. The greatest concentration of MTBE detected was 0.30 mg/kg from the soil sample collected and analyzed from boring VE1 at 10 feet bgs. With the exception of detected concentrations of MTBE, no other fuel oxygenates were detected (FREY, 2007a).

A summary of soil sample chemical analysis results is presented in Table 1. A summary of well construction details is presented in Table 2.

3.5 AIR SPARGE FEASIBILITY TESTING (FREY, 2007b)

On August 15, 2007, two air sparge tests (ASTs) were conducted at the Site using wells AS1 (Test 1) and AS2 (Test 2). Air sparge wells AS1 and AS2 are screened from 20 to 22.5 and 27.5 to 30 feet bgs, respectively. Air sparge wells AS1 and AS2 were selected for air sparge feasability testing due to their historically high concentrations of petroleum hydrocarbons detected in groundwater samples and their and their proximity to the source area (FREY, 2007b).

The tests were conducted by gradually applying a positive pressure to the injection well head during Step 1 of each AST with an air compressor until air flow (breakthrough) was observed. Breakthrough pressure is defined herein as the pressure at which an observable air flow into the injection well is first observed. Upon breakthrough of Test 2, FREY personnel noted that air was being forced through the bentonite grout seal in the annulus of boring AS2. Test 2 was subsequently abandoned due to the failure of the wells bentonite seal. Test 1 continued as planned and the injection pressure was then increased to obtain a constant injection flow rate of approximately 2 standard cubic feet per minute (scfm) for the first step, and 5 scfm for the second step (FREY, 2007b).

Based on the results of air sparge feasibility testing, FREY concluded that petroleum hydrocarbons in groundwater are amenable to remediation by air sparging based on observed pressure responses, increases in UVOC concentrations, and, to a lesser extent, increases in dissolved oxygen in observation wells (FREY, 2007b).

Air sparging appeared to be effective at influencing the volatilization of dissolved phase petroleum hydrocarbons at relatively low flow rates and injection pressures ranging from 2 to 5 scfm and 7.5 to 30.0 psi, respectively. However, due to breakthrough of air through the well bentonite seal when air is injected at 30 psi into saturated soils at approximately 27.5 feet bgs, FREY recommended pressures be conservatively maintained at a maximum of 20 psi with corresponding flows of 2 to 3 scfm (FREY, 2007b).

Based on field observed increases in UVOC, pressure responses, and to a lesser extent dissolved oxygen concentrations measured during the ASTs, the air sparging ZOI for a single sparge well was estimated to be approximately 15 feet during both steps of Test 1 at injection flow rates of approximately 2 to 5 scfm (FREY, 2007b).

FREY also concluded that the amount of pressure required to exert to achieve breakthrough on an air sparge well screened in the fine grained soils below 25 feet bgs was higher than the wells bentonite seal can withstand. Thus, there is a low likelihood that air sparge wells screened within the fine grained soils at the Site (beginning at approximately 25 feet bgs), would be able to force air through the aquifer without breaking through the wells bentonite seal (FREY, 2007b).

FREY recommended additional air sparge wells to be installed at the Site, with a maximum air sparge well spacing of 15 feet. Additionally the wells should not be installed deeper then a depth of 22.5 feet bgs unless sands are present below 22.5 feet bgs. If sands are present, the maximum depth should be approximately 30 feet bgs (FREY, 2007b).

3.6 VAPOR EXTRACTION FEASIBILITY TESTING (FREY, 2007c)

On August 16, 2007, two vapor extraction tests (VETs) were conducted at the Site by using FREY wells VE1 and MW1. The VETs were specifically designed to assess the ROI for soil vapor extraction (SVE) beneath the Site, to evaluate SVE hydrocarbon mass removal rates beneath the Site, and to assess the utilization of existing groundwater monitoring wells for vapor extraction. Extraction was conducted with a mobile 10 HP, 250 scfm positive displacement blower and thermal/catalytic oxidizer vapor extraction treatment system (FREY, 2007c).

FREY concluded that soil vapor can be extracted from soils at flows ranging from approximately 25 to 50 scfm at applied vacuums of 42 to 70 in. H_2O in vapor extraction well VE1. Based on the lack of vacuum response in observation wells during VETs on well VE1, it appeared that preferential soil vapor flow occurs in the coarse backfill material within the current UST excavation and product piping trenches (Figure 3). Based on lower flows achieved during VETs while extracting from well MW1 with an applied vacuum of 50 in. H_20, the use of existing on-Site groundwater monitoring wells to extract soil vapor was not warranted (FREY, 2007c).

The calculated radius of influence for vapor extraction with applied extraction vacuums of 42 to 70 in. H_20 at corresponding flow rates of 25 to 50 scfm was estimated to be approximately 20 feet (FREY, 2007c).

Petroleum hydrocarbon mass removal estimates calculated as part of the feasibility testing indicated that sustainable concentrations of volatile petroleum hydrocarbons will be initially extracted from the vadose zone soils beneath the Site, requiring the use of a thermal oxidizer to initially treat extracted soil vapors (FREY, 2007c).

Based on the results of the VETs, FREY concluded that vapor extraction is a viable method to reduce the mass of petroleum hydrocarbons in soils beneath the Site (FREY, 2007c).

The results of the feasibility testing indicated that in order to effectively and efficiently reduce the mass of petroleum hydrocarbons in soils beneath the Site, additional vapor extraction wells would be required to extract vapors from the Site (FREY, 2007c).

3.7 REMEDIAL WELL INSTALLATION (FREY, 2007d)

On September 25, 2007, FREY conducted a remedial well installation that included the drilling of eleven soil borings in which seven air sparge wells (AS3 through AS9) and four vapor extraction wells (VE2 through VE5) were installed. Soil borings AS3 though AS9 were extended to final depths ranging from approximately 24.5 to 26 feet bgs. Soil borings VE2 through VE5 were extended to final depths ranging from approximately 16.5 to 17.5 feet bgs. Soil samples were collected from borings AS3 through AS9 at approximate 5-foot depth intervals from approximately 5 feet bgs to 20 feet bgs and continuously thereafter to the bottom of each soil

boring. Soil samples were collected from borings VE2 through VE5 at approximate 5-foot depth intervals from approximately 5 feet bgs to the bottom of each soil boring. Soil samples were collected from borings AS3 through AS9 continuously from approximately 20 feet bgs to the bottom of each boring to ensure proper screen interval placement (FREY, 2007d).

Air sparge wells AS3 and AS9 were installed in their respective borings with screen intervals from approximately 19.5 to 22 feet bgs, and air sparge wells AS4 through AS8 were installed with screen intervals from approximately 20 to 22.5 feet bgs. Vapor extraction wells VE2 through VE5 were installed in their respective borings with screen intervals from approximately 5 to 15 feet bgs (FREY, 2007d).

In general, subsurface materials encountered during drilling consisted predominantly of fine grained soils including clays and silts with some coarse grained soils including silty sands, clayey sands, and poorly graded sands. Groundwater was encountered at depths of approximately 20 feet during the drilling of borings AS3 through AS9. UVOCs in excess of 100 parts per million (ppm) were observed in soil borings AS3, AS4, AS5, AS7, AS9, VE3, and VE5 (FREY, 2007d).

Selected soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and diesel (TPHd) in general accordance with Modified EPA Method No. 8015M, and for benzene, toluene, ethylbenzene, xylenes (BTEX) and fuel oxygenates, in general accordance with EPA Method No. 8260B (FREY, 2007d).

Concentrations of TPHg were detected in all seven soil samples collected and analyzed from borings VE5, AS7 and AS9, at concentrations ranging from 0.75 to 970 milligrams per kilogram (mg/kg).

Concentrations of benzene were detected in six soil samples collected and analyzed from borings VE5, AS7 and AS9, at concentrations ranging from 0.0066 to 2.1 mg/kg (FREY, 2007d).

Toluene, ethylbenzene, and total xylenes were detected in all seven soil samples collected and analyzed from borings VE5, AS7 and AS9, at concentrations ranging from 0.0035 to 34 mg/kg, 0.0088 to 13 mg/kg, and 0.052 to 54 mg/kg, respectively (FREY, 2007d).

MTBE was detected in six of the soil samples collected and analyzed from borings VE5, AS7, and AS9, at concentrations ranging from 0.032 to 1.4 mg/kg. TBA was detected in one soil sample collected from 10 feet bgs in boring VE5 at a concentration of 0.17 mg/kg. No other fuel oxygenates were detected in any of the soil samples collected and analyzed during this investigation (FREY, 2007d).

A summary of soil sample chemical analysis results is presented in Table 1.

3.8 ADDITIONAL ON-SITE AND OFF-SITE SOIL AND GROUNDWATER INVESTIGATION (FREY, 2010)

On April 7 and 8, 2010, FREY conducted additional on-Site and off-Site subsurface soil and groundwater investigation activities that included the drilling of five soil borings (MW9 through MW13) and the installation of five groundwater monitoring wells (MW9 through MW13). Borings MW9 through MW13 were drilled to depths of approximately 31.5 feet bgs. Soil samples were collected from soil borings MW9 through MW13 at approximate 5-foot depth intervals from 5 feet bgs to the bottom of each boring. Groundwater monitoring wells MW9, MW11, MW12 and MW13 were installed with screen intervals from approximately 5 to 30 feet bgs, and MW10 was installed with screen intervals from approximately 4 to 29 feet bgs (FREY, 2010).

In general, subsurface materials encountered during drilling consisted predominantly of fine grained soils including clays and silts with some coarse grained soils including silty sands, clayey sands, and poorly graded sands. Well graded sands were encountered in boring MW10 from the surface to approximately 18 feet bgs. The Yorba Shale Member of the Monterey Formation was encountered at depths ranging from 20 to 25 feet bgs in borings MW9, MW10, and MW13. The Yorba Shale Member of the Monterey Formation is characterized by interlayered thin-bedded gray shaly siltstone, fine grained sandstone and white weathering siliceous shale (FREY, 2010).

Groundwater was encountered at depths of approximately 18 feet during the drilling of borings MW9 through MW13 (FREY, 2010).

UVOCs in excess of 100 parts per million (ppm) were not observed in soil samples collected from any boring drilled during this investigation (FREY, 2010).

A summary of soil sample chemical analysis results is presented in Table 1.

3.9 VAPOR EXTRACTION AND AIR SPARGE REMEDIATION (FREY, 2013)

On May 4, 2010, vapor extraction activities at the Site were initiated using the Frontier Systems, model No. 250, skid mounted vapor extraction treatment system. The Frontier System consists of a 250 cubic feet per minute (scfm) Roots 59 URAI PD Vacuum Blower powered by a 10 horsepower, single phase electrical motor. Extracted vapor is treated with two, 2,000-lb vapor phase GAC vessels in series. The VES wais operating under SCAQMD various locations permit #F71466.

Air sparging was initiated at the Site on October 14, 2010. The AS system consisted of a Becker model No. KDT 3.60 5-h.p. rotary vane air oil-less compressor capable of injecting ambient air into the subsurface at a maximum (unimpeded) flow of 39 scfm. The AS system was connected to a total of nine air sparge wells (ASW1 through ASW9) at the Site.

Vapor extraction and air sparge remediation were conducted at the Site through the second quarter of 2011. During the last quarter of operation (second quarter 2011) soil vapors were extracted by the VES at a flow of 20 scfm with applied vacuums ranging from approximately 10 to 38 inches of water (in. H_2O). The total influent UVOC concentrations to the VES before dilution, as measured with field instrumentation, ranged from approximately 5 to 40 ppmv. The total influent concentrations for total petroleum hydrocarbons as measured in influent vapor samples (after dilution) collected and analyzed during the second quarter 2011 ranged from non-detect to approximately 13 ppmv (Table 1). It was estimated that petroleum hydrocarbons were removed at rates ranging from approximately 0.002 pounds per hour (lb/hr) to approximately 0.011 lb/hr during the second quarter 2011 with an average of 0.004 lb/hr (Table 1). It was estimated that a total of approximately 581 pounds (96 gallons) of petroleum hydrocarbons were removed from beneath the Site by the VES since the initiation of vapor extraction on May 4, 2010.

Due to limited flow rates and low mass removal rates being achieved by the VE system, and the inability for the air sparge system to effectively sparge air into the Yorba Shale Member of the Monterey Formation, the VE and AS systems were turned off at the Site on May 20, 2011.

A summary of historical vapor extraction and air sparge remediation data is summarized in Tables 4, 6, 7 and 8.

3.10 HIGH VACUUM DUAL PHASE EXTRACTION FEASIBILITY TESTING AND ADDENDUM TO CORRECTIVE ACTION PLAN (FREY, 2013)

On May 14 and 15, 2012, FREY conducted two single well HVDPE tests using well VE4 (Test 1) and well MW1 (Test 2), and a 24-hour long HVDPE test using both wells VE4 and MW1 as extraction wells. HVDPE testing was conducted using a mobile 25-HP, 150 standard cubic feet per minute (scfm) rated liquid ring pump and a thermal/catalytic oxidizer (FREY, 2013).

The following conclusions were derived based on the results of the HVDPE feasibility testing:

- Soil vapor can be extracted from existing vapor extraction wells (screened from 5 to 15 feet bgs) and existing groundwater monitoring wells (screened between approximately 10 and 40 feet bgs) at flows ranging from approximately 13 to 35 scfm at corresponding extraction vacuums of 20 to 26 in. Hg;

- The calculated radius of influence for HVDPE in vadose zone soils was estimated to range from 60 to 90 feet.

- Hydrocarbons were removed from the subsurface at mass removal rates ranging from 0.1 to 0.6 lbs/hr.

- Groundwater was removed using HVDPE at rates ranging from approximately 46 gallons per hour to 87 gallons per hour.

- Laboratory analytical results from soil vapor samples collected during each HVDPE test indicated a general increase in concentrations of petroleum hydrocarbons from test commencement to conclusion.

- Laboratory analytical results from groundwater samples collected during each HVDPE test indicated a significant increase in concentrations of petroleum hydrocarbons from test commencement to conclusion.

FREY recommended the use of HVDPE using a 25-HP liquid ring pump at the Site for the mitigation of concentrations of benzene, MTBE and TBA in soil and groundwater beneath the Site (FREY, 2013).

Based on the results of the feasibility testing and a conservative high vacuum dual phase extraction radius of influence of 60 feet, FREY concluded that the existing remediation well field would be sufficient to conduct effective remediation of on-Site soils and on- and off-Site groundwater. FREY proposed to replace the previously utilized vapor extraction equipment with a HVDPE unit and to utilize the existing underground vapor extraction piping for dual phase extraction from each well. FREY also proposed to retrofit each wellhead to be modified with a high vacuum drop tube / stinger, a wellhead seal and a ball valve to effectively extract groundwater and soil vapor from beneath the Site with a HVDPE system (FREY, 2013).

FREY also proposed to treat extracted groundwater with an on-Site groundwater treatment system. The groundwater treatment system was proposed to consist of a 500 gallon polypropylene holding tank, a filter bag system and three-2,000 pound activated carbon vessels in series. FREY proposed to permit the system under a beneficial reuse permit with the Los Angeles County Sanitation District (LACSD) in order to re-use the extracted groundwater at the on-Site carwash system before being discharged to the sanitary sewer (FREY, 2013).

3.11 HIGH VACUUM DUAL PHASE EXTRACTION REMEDIATION

On April 23, 2014, the VES at the Site was replaced with a Bisco Systems, Model No. 12329TMS HVDPE system including vapor and water granular activated carbon (GAC) treatment systems. The Bisco System consists of a 150 scfm Dekker liquid ring blower powered by a 25 h.p. 3 phase electrical motor. Extracted vapor is treated with two 2,000-lb vapor phase GAC vessels operating under SCAQMD Site Specific permit #G14765.

Groundwater generated from the HVDPE equipment is treated on-Site with two 1,000-lb liquid phase GAC vessels operated under LACSD industrial wastewater discharge permit No. 21268 before being discharged and re-used by the on-Site carwash system.

An estimated total of 694 pounds (114 gallons) of volatile petroleum hydrocarbons were removed from beneath the Site between the initiation of HVDPE on April 23, 2014, through the end of the fourth quarter of 2014 (FREY, 2015b).

A total of 173,814 gallons of groundwater have been extracted and treated by the HVDPE system between the initiation of HVDPE on April 23, 2014 through the end of the fourth quarter of 2014 (FREY, 2015b).

A summary of HVDPE remediation data is presented in Tables 5 through 7.

3.12 POST REMEDIATION VAPOR EXTRACTION REBOUND TESTING

Between July 13 through 27, 2015, FREY conducted vapor extraction rebound testing utilizing the HVDPE system at the Site. The HVDPE operated for approximately 340 hours during the vapor extraction rebound test. Soil vapors were extracted by the HVDPE system at flows ranging from approximately 126 to 136 scfm with applied vacuums ranging from approximately 11 to 12 in. Hg (FREY, 2015d).

Total influent UVOCs concentrations to the HVDPE before dilution were 728 ppmv, 563 ppmv, and 455 ppmv on July 13, 20, and 27, 2015, respectively. UVOCs concentrations decreased with time throughout the course of the HVDPE rebound test (FREY, 2015d).

TPHg concentrations were detected in influent soil vapor at 1,500 ppmv, 720 ppmv, and 710 ppmv, on July 13, 20, and 27, 2015, respectively. TPHg concentrations in influent soil vapor samples decreased with time during the HVDPE rebound testing (FREY, 2015d).

Benzene was detected on July 20, 2015 at a concentration of 0.0074 ppmv. Benzene concentrations were not detected on July 13 and 27, 2015 (FREY, 2015d).

Ethylbenzene was detected at concentrations of 0.300 ppmv, 0.074 ppmv, and 0.069 ppmv, on July 13, 20, and 27, 2015, respectively (FREY, 2015d).

Total xylenes were detected at concentrations of 0.378 ppmv, 0.191 ppmv, 0.067 ppmv, on July 13, 20, and 27, 2015, respectively (FREY, 2015d).

MTBE was detected on July 20, 2015 at a concentration of 0.023 ppmv. MTBE concentrations were not detected on July 13 and 27, 2015 (FREY, 2015d).

TBA was detected at concentrations of 0.590 ppmv, 1.100 ppmv, and 0.091 ppmv, on July 13, 20, and 27, 2015, respectively (FREY, 2015d).

It is estimated that petroleum hydrocarbons were removed at rates ranging from approximately 33.24 lbs/day to approximately 74.80 lb/day during the rebound testing activities with an average of 47.63 lb/day (FREY, 2015d).

Approximately 625.36 pounds (103.37 gallons) of petroleum hydrocarbons were estimated to have been removed from beneath the Site by the HVDPE system during rebound testing activities. It is estimated that a total of approximately 1,356 pounds (224 gallons) of petroleum hydrocarbons were removed from beneath the Site by the HVDPE system between HVDPE initiation through July 22, 2015 (FREY, 2015d).

Based on the results of the test, FREY concluded that a significant rebound of concentration of petroleum hydrocarbons in subsurface soils occurred after the suspension of active remediation for a period of 18 weeks (FREY, 2015d).

3.13 QUARTERLY GROUNDWATER MONITORING AND SAMPLING (2005 to Present)

Groundwater monitoring and sampling has been conducted at the Site on a quarterly basis or semi-annual basis since July 2005. Groundwater monitoring and sampling is currently conducted on a semi-annual basis in accordance with State Board Resolution 2009-0042 and a directive letter from the RWQCB dated June 15, 2009.

During the most recent groundwater monitoring and sampling event on June 17, 2016, groundwater monitoring wells MW1 through MW13 and air sparge wells AS1 through AS9 were measured for depth to water and checked for the presence of free product. Groundwater monitoring wells MW1 through MW4, MW6, MW7, and air sparge wells AS1 through AS3 were subsequently purged and sampled. Measured groundwater depths ranged from 17.35 to 21.55 feet below the top of well casing (btoc) on June 17, 2016. Calculated groundwater elevations ranged from 558.98 feet above mean sea level (feet msl) in well MW13 to 567.43 feet msl in well MW9. The groundwater flow direction beneath the Site was estimated to be to the south-southeast at an approximate gradient of 0.020 feet per foot (FREY, 2016a).

TPHg was detected in 8 of the wells monitored and sampled at concentrations ranging from 67 micrograms per liter (ug/l) to 8,300 ug/l. Detected concentrations of TPHg increased in some wells and decreased in others when compared to the fourth quarter 2015 sampling event (FREY, 2016a).

Benzene was not detected during the second quarter 2016 groundwater monitoring and sampling event (FREY, 2016a).

MTBE was detected in seven of the nine wells sampled at concentrations ranging from 1.2 ug/l to 110 ug/l. Detected concentrations of MTBE increased in some wells and decreased in others when compared to the fourth quarter 2015 sampling event (FREY, 2016a).

TBA was detected in seven of the nine wells sampled at concentrations ranging from 16 ug/l (MW6) to 8,100 ug/l (MW2). Detected concentrations of TBA generally decreased when compared to the fourth quarter 2015 sampling event (FREY, 2016a).

Fuel oxygenates other than MTBE and TBA were not detected in groundwater samples collected and analyzed during the fourth quarter 2014 sampling event (FREY, 2016a).

Laboratory chemical analyses results are summarized on Tables 2 and 3. Groundwater elevations and estimated groundwater flow direction and groundwater contours are shown on Figure 7. Site sketches showing TPHg, benzene, MTBE, and TBA concentrations in groundwater on June 17, 2016, are shown as Figures 8 through 11, respectively.

4.0 OBJECTIVES

The objectives of the proposed scope of work described below were to: 1) evaluate post-remediation petroleum hydrocarbon concentrations in soil beneath the Site in the area of the former USTs and fuel dispenser islands, and; 2) demonstrate that clean-up objectives for concentrations of petroleum hydrocarbons in soil have been achieved.

5.0 SCOPE OF WORK

The scope of work, designed to provide the information needed to meet the objectives of the investigation, was as follows:

- Advance three soil borings (PR1, PR2, PR3) at the locations shown on Figure 3;

- Collect soil samples from each soil boring for laboratory analyses; and,

- Data evaluation and report preparation.

A more detailed description of the field investigation and laboratory testing program is provided in Section 6.0.

6.0 FIELD INVESTIGATION

Drilling operations for the current investigation were conducted by FREY personnel at the Site on August 29, 2016. Soil borings PR1, PR2, and PR3 were drilled at the locations shown on Figure 3

with a truck mounted Geoprobe 6600 direct push drill rig operated by Kehoe Testing, of Huntington Beach, California.

All activities related to this subsurface investigation were conducted under the direction of a State of California Certified Engineering Geologist in accordance with the field procedures presented in Appendix B.

6.1 PRE-FIELD ACTIVITIES

FREY personnel visited the Site prior to drilling to mark the proposed boring locations for Underground Services Alert notification. FREY obtained a USA ticket number prior to the conduct of drilling activities.

FREY reviewed the existing Site-specific Health and Safety Plan to ensure the proposed tasks were conducted in accordance with OSHA regulation 29 CFR 1910.120.

6.2 DRILLING AND SAMPLING OF SOIL BORINGS

On August 29, 2016, soil borings PR1, PR2, and PR3 were hand excavated to approximately 5 feet bgs prior to drilling in order to locate and avoid any subsurface obstructions. Soil borings PR1, PR2, and PR3 were subsequently drilled to final depths of approximately 20 feet bgs. Soil borings were drilled using a Geoprobe 6600 truck mounted direct push drill rig. Soil samples were collected from each boring at 5 foot depth intervals from 5 feet bgs to the bottom of each boring using EPA Method No. 5035 procedures and protocol.

Soil samples and soil cuttings were examined from each boring in order to characterize the soil lithology and to look for evidence of petroleum hydrocarbons in the soil sampled. The soil samples and soil cuttings were screened in the field for the presence of UVOCs using a Mini Rae photo-ionization detector / organic vapor analyzer (PID/OVA). Field procedures used in the drilling of borings and the collection of soil samples are described in greater detail in Appendix B.

Boring logs and explanations regarding the format, terms, and soil classification systems used to describe soil conditions are presented in Appendix C.

6.4 LABORATORY ANALYSES

The laboratory testing program for soil samples collected from soil borings PR1, PR2, and PR3 included analysis for TPHg in general accordance with EPA Method No. 8015M, and for full scan volatile organic compounds (VOCs) in general accordance with EPA Method No. 8260B. The laboratory analyses of soil samples was performed by Eurofins/Calscience, a State-certified hazardous waste testing laboratory located in Garden Grove, California.

A summary of the soil sample laboratory results for the current investigation is presented in Table 1. The laboratory reports and laboratory quality assurance/quality control reports are included in Appendix D.

7.0 RESULTS OF THE SUBSURFACE SOIL INVESTIGATION

7.1 SOIL LITHOLOGY

Subsurface materials encountered during the drilling of soil borings PR1, PR2 and PR3 consisted of silty fine grained sands, and silts with fine grained sands from the surface to approximately 20 feet bgs. A layer of clay was observed at approximately 20 feet bgs in boring PR2. Groundwater was encountered at approximately 17 feet in borings PR1, PR2 and PR3 during this investigation.

7.2 LABORATORY RESULTS

TPHg was detected in soil samples collected from boring PR1 at 20 feet bgs and from boring PR3 at 20 feet bgs at concentrations of 0.84 mg/kg and 38 mg/kg, respectively. TPHg was not detected in any other soil samples collected and analyzed during the post remediation confirmation soil sampling investigation.

With the exception of ethylbenzene detected at 67 micrograms per kilogram (ug/kg) in boring PR3 at 20 feet bgs (PR3-20) and total xylenes detected at 2.8 ug/kg in boring PR3 at 20 feet bgs (PR3-20), no BTEX concentrations were detected in soil samples collected and analyzed during the post remediation confirmation soil sampling investigation.

MTBE was detected in one soil sample collected from soil boring PR3 at 10 feet bgs (PR3-10) at a concentration of 4.0 ug/kg. MTBE was not detected in any other soil samples collected and analyzed during the post-remediation confirmation soil sampling investigation.

TBA was detected in a total of five (5) soil samples collected from borings PR1 at 20 feet bgs (PR1-20), PR2 at 20 feet bgg (PR2-20), and PR3 at 5, 10, and 20 feet bgs (PR3-5, PR3-10 & PR3-20). TBA was detected at concentrations ranging from 18 ug/kg (PR1-20 & PR3-5) to 7,100 ug/kg (PR3-10).

Additional VOCs detected in soil samples collected and analyzed during the current investigation included acetone, n-butylbenzene, sec-butylbenzene, isopropylbenzene, p-isopropylbenzene, n-propylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. Additional detected VOCs were detected at concentrations ranging from 1.3 ug/kg (n-butylbenzene in soil sample PR3-5) to 160 ug/kg (acetone in soil sample PR3-20).

A summary of the laboratory results is presented in Table 1. Laboratory reports and quality assurance/quality control reports appear in Appendix D.

8.0 CONCLUSIONS

Based on the information presented herein, the following conclusions have been derived:

- Petroleum hydrocarbons in soils beneath the Site have been adequately assessed by this and previous subsurface investigations conducted at the Site.

- Maximum detected TPHg concentrations have been reduced from 3,400 mg/kg in soil sample SP-6 at 5 feet bgs to a maximum detected concentration of 38 mg/kg in post-remediation soil samples collected during this investigation.

- Maximum detected benzene concentrations have been reduced from 2.1 mg/kg in soil boring AS9 at 15 feet bgs to non-detect levels in all post-remediation soil samples collected during this investigation including in soil boring PR1 located adjacent to soil boring AS9.

- Maximum detected toluene concentrations have been reduced from 120 mg/kg in soil sample SP-6 at 5 feet bgs bgs to non-detect levels in all post-remediation soil samples collected during this investigation.

- Maximum detected ethylbenzene concentrations have been reduced from 66 mg/kg in soil sample SP-6 at 5 feet bgs bgs to less than 1.0 mg/kg in all post-remediation soil samples collected during this investigation.

- Maximum detected total xylenes concentrations have been reduced from 410 mg/kg in soil sample SP-6 at 5 feet bgs bgs to less than 1.0 mg/kg in all post-remediation soil samples collected during this investigation.

- Maximum detected MTBE concentrations have been reduced from 5.8 mg/kg in soil sample SP-4 at 5 feet bgs to less than 1.0 mg/kg in all post-remediation soil samples collected during this investigation.

- Maximum detected TBA concentrations have been detected historically at 3.5 mg/kg in soil sample MW1-15 at 15 feet bgs to a current maximum of 7.1 mg/kg in all post-remediation soil samples collected during this investigation.

- The current investigation results indicate that concentrations of TPHg, BTEX, and MTBE soil beneath the Site have been reduced to relatively low or non-detect levels after completion of vapor extraction remediation at the Site, and comply with the UST Low Threat Closure Policy guidelines for concentrations of petroleum hydrocarbon constituents in soil (SWRCB, 2012).

9.0 LIMITATIONS

The judgments described in this report are professional opinions based solely within the limits of the scope of work authorized, and pertain to conditions judged to be present or applicable at the time the work was performed. Future conditions may differ from those described herein, and this report is not intended for future evaluations of this Site unless an update is conducted by a consultant familiar with environmental assessments.

This report was compiled partially from information supplied to FREY Environmental, Inc. from outside sources, other information that is in the public domain and a visual inspection of the site. FREY Environmental, Inc. makes no warranty as to the accuracy of statements made by others, which may be contained in this report, nor are any other warranties or guarantees, expressed or implied, included or intended by the report, except that it has been prepared in accordance with the current accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing similar services.

Site conditions may change with time as the result of natural alterations or man-made changes on this or adjacent properties. Future environmental investigations conducted at the Site may reveal site conditions not indicated in the data reviewed by FREY Environmental, Inc. Additionally, changes in standards or regulations applicable to the Site may occur. The findings of this report may be partially or wholly invalidated by changes of which FREY Environmental, Inc. is not aware or has not had the opportunity to evaluate.

Environmental assessments provide an additional source on information regarding the environmental conditions of a particular property or facility. The report to the Client is a professional opinion and judgment. dependent upon FREY's knowledge and information obtained during the course of performance of the services.

Sincerely,
FREY Environmental, Inc.

Joe Frey
Principal
Certified Engineering Geologist
CEG. #1500

Sawyer Jones
Project Environmental
Scientist

REFERENCES

CH2M Hill, 1986, San Gabriel Supplemental Sampling Program Report, Volume 1, San Gabriel Basin, Los Angeles, CA; WA 105.9L27.1., May 19, 1986.

Dibblee, (Thomas W. Dibblee, Jr.), 1999, Dibblee Geologic Foundation Map # DF-69, Geologic Map of the El Monte and Baldwin Park Quadrangles, Los Angeles County, California dated May, 1999.

DWR (Department of Water Resources), 1966, Planned utilization of the ground water basins of the San Gabriel Valley: State of California Department of Water Resources, Bulletin No. 104-2, March 1966.

FREY (FREY Environmental, Inc.), 2000, Fuel Dispensing Complex Soil Sampling, Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated December 11, 2000.

_____, 2005, Soil and Groundwater Investigation and Well Installation, Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated December 10, 2005

_____, 2007, Workplan, Well Installation and Remedial Action Feasibility Testing, Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated May 22, 2007.

_____, 2007a, Workplan, Additional Subsurface Soil and Groundwater Investigation, Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated July 12, 2007.

_____, 2007b, Letter of Intent to Proceed with Workplan Activities, Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated July 26, 2007.

_____, 2007c, Additional On-Site and Off-Site Subsurface Soil and Groundwater Investigation and Well Installation, Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated March 12, 2007.

_____, 2007d, Second Quarter 2007 Groundwater Monitoring Well Sampling and Site Status Update, Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated June 8, 2007.

_____, 2010. Additional On-Site and Off-Site Soil and Groundwater Investigation, Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated July 23, 2010.

_____, 2013, *High Vacuum Dual Phase Extraction, Feasibility Testing and Addendum to Corretive Action Plan,* Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated January 7, 2013.

REFERENCES (CONT.)

_____, 2015b, *High Vacuum Dual-Phase Extraction System Operation and Maintenance Report, Fourth Quarter 2014,* Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated March 16, 2015.

FREY, 2015c, *Workplan, Vapor Extraction Remediation Rebound Testing and Post Remediation Soil Borings,* Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated May 11, 2015.

_____, 2015d, *Vapor Extraction Rebound Test Report,* Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated September 2, 2015.

_____, 2016, *Second Quarter 2016, Post Remediation Groundwater Monitoring and Sampling and Corrective Action Site Status Update,* Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated August 10, 2016.

Geotracker, 2004, Well Search Results for the City of Walnut, California, http://www.geotracker.swrcb.ca.gov/ , accessed on November 1, 2004.

LADPW (Los Angeles Department of Public Works, 2004, Personal communication with Los Angeles Department Public Works personnel on November 1, 2004.

LADPW (Los Angeles Department of Public Works), 2007, Personal communication with Los Angeles Department of Public Works personnel on August 23, 2007.

RWQCB (Regional Water Quality Control Board – Los Angeles Region), 2015, Directive to Take Corrective Action, Alamo Car Wash, 784 North Nogales Street, Walnut (File No. R-15014) dated July 1, 2015.

SWRCB, (State Water Resources Control Board) 2012, *Resolution 2012-0016, Low-Threat Underground Storage Tank Case Closure Policy*, adopted on May 1, 2012, effective on August 17, 2012.

SWS (Suburban Water Systems), 2004, Personal communication with Suburban Water Systems Field Operations personnel on November 1, 2004.

USGS (United States Geologic Survey), 1966, 7.5-minute topographic quadrangle of Baldwin Hills, California, photorevised1981.

Watermaster, 2004, Hydrology results for search on the Main San Gabriel Basin, http://www.watermaster.org/basinmap.html, accessed on November 1, 2004.

WVWD (Walnut Valley Water District), 2004, Personal communication with Walnut Valley Water District personnel on November 1, 2004.

TABLES

Table 1
SUMMARY OF SOIL SAMPLE CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Sample ID	Date Sampled	Sample Depth (feet-bgs)	TPHg [1] (mg/kg)	TPHd [1] (mg/kg)	Benzene [2] (mg/kg)	Toluene [2] (mg/kg)	Ethyl-benzene [2] (mg/kg)	Total Xylenes [2] (mg/kg)	MTBE [2] (mg/kg)	TBA [2] (mg/kg)	DIPE [2] (mg/kg)	TAME [2] (mg/kg)	Ethanol [2] (mg/kg)
Product Piping Trench Samples													
SP-1	9/27/2000	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--
SP-2	9/27/2000	5	120	--	ND	ND	0.28	2.3	0.91	--	--	--	--
SP-3	9/27/2000	5	1.6	--	ND	ND	ND	ND	2.1	--	--	--	--
SP-4	9/27/2000	5	10	--	ND	ND	0.0097	0.093	5.8	--	--	--	--
SP-5	9/27/2000	5	2.4	--	0.0073	ND	0.041	0.048	1.8	--	--	--	--
SP-6	9/27/2000	5	3400	760	ND	120	66	410	ND	--	--	--	--
SP-7	9/27/2000	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--
SP-8	9/27/2000	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--
SP-9	9/27/2000	5	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
SP-10	9/27/2000	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--
SP-11	9/27/2000	5	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
SP-12	9/27/2000	9	ND	--	ND	ND	ND	ND	ND	--	--	--	--
SP-13	9/27/2000	9	ND	--	ND	ND	ND	ND	ND	--	--	--	--
SP-14	9/27/2000	7	0.58	--	ND	ND	ND	ND	0.74	--	--	--	--
Dispenser Soil Samples													
D1-3	9/19/2007	3	ND<0.25	ND<5.0	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.020	ND<0.25	--	ND<0.25
D2-3	9/19/2007	3	110	21	0.2	0.026	1.3	1.4	0.38	ND<0.20	0.91	--	0.91
D3-3	9/19/2007	3	87	16	0	0.088	0.34	2.5	0.94	ND<0.020	ND<0.25	--	ND<0.25
D4-3	9/19/2007	3	51	8.2	0.1	0.29	0.67	2.8	ND<0.0010	ND<0.020	ND<0.25	--	ND<0.25
D5-3	9/19/2007	3	ND<0.25	ND<5.0	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.020	ND<0.25	--	ND<0.25
D6-3	9/19/2007	3	ND<0.25	ND<5.0	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.020	ND<0.25	--	ND<0.25
Product Piping Soil Samples													
P1-3	9/19/2007	3	1100	170	0.038	0.51	8.8	38	0.51	ND<0.20	ND<5.0	--	ND<5.0
P2-3	9/19/2007	3	78	65	0.058	0.0051	0.35	0.099	ND<0.0010	ND<0.020	ND<0.25	--	ND<0.25
P3-3	9/19/2007	3	6.2	ND<5.0	ND<0.0010	ND<0.0010	0.0096	0.021	0.019	ND<0.020	ND<0.25	--	ND<0.25
P4-3	9/19/2007	3	5.3	ND<5.0	0.0065	0.033	0.016	0.13	ND<0.0010	ND<0.020	ND<0.25	--	ND<0.25

Table 1
SUMMARY OF SOIL SAMPLE CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Sample ID	Date Sampled	Sample Depth (feet-bgs)	TPHg [1] (mg/kg)	TPHd [1] (mg/kg)	Benzene [2] (mg/kg)	Toluene [2] (mg/kg)	Ethyl-benzene [2] (mg/kg)	Total Xylenes [2] (mg/kg)	MTBE [2] (mg/kg)	TBA [2] (mg/kg)	DIPE [2] (mg/kg)	TAME [2] (mg/kg)	Ethanol [2] (mg/kg)
Soil Borings													
B1-5	7/14/2005	5	0.41	ND<10	ND<0.0050	ND<0.0050	0.0049	0.036	0.077	0.22	ND<0.0050	ND<0.0050	ND<0.50
B1-10	7/14/2005	10	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.0083	0.15	ND<0.0050	ND<0.0050	ND<0.50
B1-15	7/14/2005	15	ND<0.50	ND<10	ND<0.0050	0.0043	ND<0.0050	0.0051	0.011	0.09	ND<0.0050	ND<0.0050	ND<0.50
B1-20	7/14/2005	20	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.0044	ND<0.025	ND<0.0050	ND<0.0050	ND<0.50
B1-25	7/14/2005	25	2.6	ND<10	ND<0.0050	ND<0.0050	0.016	0.053	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
B1-30	7/14/2005	30	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
B2-5	7/14/2005	5	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.0047	0.094	ND<0.0050	ND<0.0050	ND<0.0050
B2-10	7/14/2005	10	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.026	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
B2-15	7/14/2005	15	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
B2-20	7/14/2005	20	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
B2-25	7/14/2005	25	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
B2-30	7/14/2005	30	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
B3-5	7/14/2005	5	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
B3-10	7/14/2005	10	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.024	0.14	ND<0.0050	ND<0.0050	ND<0.0050
B3-15	7/14/2005	15	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.12	ND<0.0050	ND<0.0050	ND<0.0050
B3-20	7/14/2005	20	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.19	ND<0.0050	ND<0.0050	ND<0.0050
B3-25	7/14/2005	25	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.0035	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
B3-30	7/14/2005	30	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW1-5	7/15/2005	5	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.39	ND<0.0050	ND<0.0050	ND<0.0050
MW1-10	7/15/2005	10	0.95	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.2	0.66	ND<0.0050	ND<0.0050	ND<0.0050
MW1-15	7/15/2005	15	4.5	ND<10	0.044	0.1	0.0069	0.042	0.6	3.5	ND<0.0050	ND<0.0050	ND<0.0050
MW1-20	7/15/2005	20	0.56	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.015	0.54	ND<0.0050	ND<0.0050	ND<0.0050
MW1-25	7/15/2005	25	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.039	ND<0.0050	ND<0.0050	ND<0.0050
MW1-30	7/15/2005	30	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW1-35	7/15/2005	35	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW1-40	7/15/2005	40	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW2-5	7/15/2005	5	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.036	ND<0.0050	ND<0.0050	ND<0.0050
MW2-10	7/15/2005	10	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.43	ND<0.0050	ND<0.0050	ND<0.0050
MW2-15	7/15/2005	15	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.022	0.27	ND<0.0050	ND<0.0050	ND<0.0050
MW2-20	7/15/2005	20	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.056	ND<0.0050	ND<0.0050	ND<0.0050
MW2-25	7/15/2005	25	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW2-30	7/15/2005	30	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW2-35	7/15/2005	35	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW2-40	7/15/2005	40	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050

Table 1
SUMMARY OF SOIL SAMPLE CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Sample ID	Date Sampled	Sample Depth (feet-bgs)	TPHg [1] (mg/kg)	TPHd [1] (mg/kg)	Benzene [2] (mg/kg)	Toluene [2] (mg/kg)	Ethyl-benzene [2] (mg/kg)	Total Xylenes [2] (mg/kg)	MTBE [2] (mg/kg)	TBA [2] (mg/kg)	DIPE [2] (mg/kg)	TAME [2] (mg/kg)	Ethanol [2] (mg/kg)
MW3-5	7/15/2005	5	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW3-10	7/15/2005	10	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW3-15	7/15/2005	15	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW3-20	7/15/2005	20	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW3-25	7/15/2005	25	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW3-30	7/15/2005	30	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW3-35	7/15/2005	35	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW3-40	7/15/2005	40	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW3-45	7/15/2005	45	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW4-10	12/18/2006	10	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW5-15	12/19/2006	15	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.033	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW6-10	12/18/2006	10	ND<0.50	1.9	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	1.8	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW6-20	12/18/2006	20	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.2	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW7-15	12/19/2006	15	72	16	0.0022J	0.28	0.69	1.3	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW7-20	12/19/2006	20	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
MW8-15	8/9/2007	15	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.50
MW8-20	8/9/2007	20	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.50
VE1-5	8/9/2007	5	ND<0.5	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.14	ND<0.025	ND<0.0050	ND<0.0050	ND<0.50
VE1-10	8/9/2007	10	0.99	ND<10	0.01	0.03	0.0034J	0.022	0.3	ND<0.025	ND<0.0050	ND<0.0050	ND<0.50
VE1-15	8/9/2007	15	1.2	ND<10	0.0037J	ND<0.0050	0.0061	0.018	0.032	ND<0.025	ND<0.0050	ND<0.0050	ND<0.50
VE5-5	9/25/2007	5	3.4	ND<10	0.0066	0.13	0.061	0.36	0.13	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE5-10	9/25/2007	10	6.2	ND<10	0.06	0.046	0.11	0.3	1.4	0.17	ND<0.0050	ND<0.0050	ND<0.0050
VE5-15	9/25/2007	15	0.75	ND<10	ND<0.0050	0.012	0.0088	0.055	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
AS7-10	9/25/2007	10	2.2	ND<10	0.024	0.009	0.044	0.15	0.64	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
AS7-15	9/25/2007	15	98	ND<10	0.25	0.0035 J	0.68	0.052	0.032	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
AS9-10	9/25/2007	10	57	ND<10	0.041	0.24	1.1	4.3	0.048	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
AS9-15	9/25/2007	15	970	ND<10	2.1	34	13	54	1	ND<0.50	ND<0.10	ND<0.10	ND<0.10

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SUMMARY OF SOIL SAMPLE CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Sample ID	Date Sampled	Sample Depth (feet-bgs)		TPHg [1] (mg/kg)	TPHd [1] (mg/kg)	Benzene [2] (mg/kg)	Toluene [2] (mg/kg)	Ethyl-benzene [2] (mg/kg)	Total Xylenes [2] (mg/kg)	MTBE [2] (mg/kg)	TBA [2] (mg/kg)	DIPE [2] (mg/kg)	TAME [2] (mg/kg)	Ethanol [2] (mg/kg)
Confirmation Soil Borings														
PR1-5	8/29/2016	5		ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
PR1-10	8/29/2016	10		ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
PR1-15	8/29/2016	15		ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
PR1-20	8/29/2016	20		0.84	--	ND	ND	ND	ND	ND	0.018	ND	ND	ND
PR2-5	8/29/2016	5		ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
PR2-10	8/29/2016	10		ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
PR2-15	8/29/2016	15		ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
PR2-20	8/29/2016	20		ND	--	ND	ND	ND	ND	ND	0.140	ND	ND	ND
PR3-5	8/29/2016	5		ND	--	ND	ND	ND	ND	ND	0.018	ND	ND	ND
PR3-10	8/29/2016	10		ND	--	ND	ND	ND	ND	0.004	7.1	ND	ND	ND
PR3-15	8/29/2016	15		ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
PR3-20	8/29/2016	20		38	--	ND	ND	0.067	0.0028	ND	0.760	ND	ND	0.160

Notes:
[1] Total petroleum hydrocarbons modified for gasoline (TPHg) and modified for diesel (TPHd) analyzed in general accordance with EPA Method No. 8015M.
[2] Analyzed in general accordance with EPA Method No. 8260B.
ND = Not detected at or above the laboratory detection limit.
mg/kg = milligrams per kilogram
feet-bgs = feet below ground surface
J = Value is below indicated reporting limit and above Method Detection Limit.
Additional detected VOCs detected during confirmation soil borings included acetone, n-butylbenzene, sec-butylbenzene, isopropylbenzene, p-isopropylbenzene, n-propylbenzene, 1,2,4-trimethylbenzene, and 1.3.5-trimethylbenzene

TABLE 2
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	TPHg [3] (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW1	582.45	9-39	08/17/2005	14.10	568.35	45,000	360	3,400	11,000	1,200	8,000	1,900	13,000	ND<2.0	ND<2.0	ND<2.0	--
			11/18/2005	14.56	567.89	50,000	690	9,900	4,100	3,400	6,200	8,500	7,600	ND<20	ND<20	ND<20	--
			02/08/2006	14.99	567.46	76,000	1,100	4,800	2,300	1,700	3,600	11,000	43,000	ND<20	ND<20	ND<20	--
			06/02/2006	15.26	567.19	20,000	--	4,700	660	1,500	1,930	16,000	66,000	ND<100	ND<100	ND<100	--
			08/21/2006	15.27	567.18	44,000	430	5,600	1,100	1,300	2,400	11,000	23,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/17/2006	15.11	567.34	62,000	360	3,000	1,300	900	1,000	16,000	32,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/12/2007	14.25	568.20	190,000	370	3,000	4,700	680	2,900	21,000	140,000	ND<40	ND<40	ND<40	ND<1,000
			04/26/2007	13.70	568.75	210,000	610	4,300	7,000	1,100	5,000	27,000	180,000	ND<40	ND<40	ND<40	ND<1,000
			08/31/2007	13.38	569.07	250,000	2,100	8,300	18,000	3,500	13,000	21,000	170,000	ND<40	ND<40	ND<40	ND<1,000
			11/21/2007	13.47	568.98	310,000	3,700	5,800	14,800	3,400	16,000	17,000	190,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	13.94	568.51	240,000	2,100	5,400	18,000	2,500	13,000	5,500	98,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	14.30	568.15	190,000	1,600	8,500	26,000	2,400	14,000	1,100	82,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	14.81	567.64	190,000	1,100	2,000	5,200	520	1,600	3,300	95,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	15.65	566.80	37,000	530	1,700	430	440	830	560	28,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	15.75	566.70	31,000	410	1,100	290	330	950	370	19,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	15.48	566.97	15,000	10,000*	830	1,800	1,000	3,600	650	48,000	ND<100	ND<100	ND<100	ND<5,000
			06/11/2010	13.62	568.83	59,000	5,100	1,900	5,300	3,100	16,000	610	27,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	14.56	567.89	110,000	ND<100	640	1,800	1,500	6,300	560	98,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	11.60	570.85	59,000	ND<100	750	2,600	1,400	7,000	190	33,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	12.31	570.14	54,000	ND<100	380	2,300	1,700	7,300	69	21,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	13.55	568.90	65,000	--	450	790	1,800	4,800	50	16,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/17/2012	14.00	568.45	5,900	--	82	210	1,100	2,600	8.4	990	ND<2.0	ND<2.0	22	ND<50
			11/26/2012	15.33	567.12	3,500	--	39	28	710	790	3.4	220	ND<2.0	ND<2.0	8.5	ND<50
			06/26/2013	15.84	566.61	1,800	--	17	15	160	280	37	720	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.29	566.16	990	--	0.54	0.86	32	19	28	890	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	20.15	562.30	1,300	--	1.7	0.74	13	6.4	77	1,200	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	17.65	564.80	1,100	--	ND<12	ND<25	ND<25	ND<25	66	21,000	ND<50	ND<50	ND<50	ND<2,500
			06/12/2015	18.05	564.40	1,700	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.2	1,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	18.95	563.50	300	--	ND<12	ND<25	ND<25	ND<25	ND<25	11,000	ND<50	ND<50	ND<50	ND<2,500
			06/17/2016	19.20	563.25	3,800	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.0	3,600	ND<2.0	ND<2.0	ND<2.0	ND<50

TABLE 2
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ALAMO CAR WASH
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WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	TPHg [3] (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW2	581.39	8-38	08/17/2005	13.86	567.53	ND<50	ND<100	ND<0.50	4.3	ND<0.50	2.6	8.3	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			11/18/2005	14.16	567.23	290	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.9	220	ND<2.0	ND<2.0	ND<2.0	--
			02/08/2006	14.53	566.86	1,400	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.4	1,400	ND<2.0	ND<2.0	ND<2.0	--
			06/02/2006	14.72	566.67	210	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			08/21/2006	15.03	566.36	170	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/17/2006	14.65	566.74	1,600	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	1,500	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/12/2007	14.60	566.79	13,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.8	13,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	14.00	567.39	9,400	ND<100	3.3	2.8	0.68	4.0	17	9,400	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	13.68	567.71	39,000	ND<100	2.5	2.1	0.51	3.0	33	38,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	13.80	567.59	28,000	ND<100	ND<0.50	6.4	1.6	5.6	26	28,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	14.25	567.14	57,000	ND<100	ND<0.50	ND<0.50	ND<0.50	1.2	24	57,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	14.35	567.04	73,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	72,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	14.80	566.59	44,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	38	43,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	15.50	565.89	9,100	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.1	8,900	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	15.65	565.74	7,600	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.68	7,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	15.48	565.91	930	ND<500	ND<25	ND<50	ND<50	ND<50	ND<50	28,000	ND<100	ND<100	ND<100	ND<5,000
			06/11/2010	13.26	568.13	20,000	ND<100	3.8	ND<0.50	ND<0.50	ND<0.50	58	19,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	15.35	566.04	46,000	ND<100	ND<10	ND<10	ND<10	ND<10	14	45,000	ND<40	ND<40	ND<40	ND<1,000
			01/17/2011	14.06	567.33	20,000	ND<100	ND<10	ND<10	ND<10	ND<10	17	19,000	ND<40	ND<40	ND<40	ND<1,000
			05/06/2011	12.75	568.64	8,100	ND<100	3.9	ND<0.50	ND<0.50	ND<0.50	18	7,400	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	14.00	567.39	20,000	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	38	19,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/17/2012	14.35	567.04	11,000	--	0.54	0.78	2.8	5.5	19	10,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	15.45	565.94	850	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.2	820	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/26/2013	15.91	565.48	4,300	--	ND<0.50	ND<0.50	ND<0.50	4.0	13	4,200	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.25	565.14	1,400	--	ND<0.50	ND<0.50	ND<0.50	0.88	6.5	1,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	17.89	563.50	1,900	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	1,700	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	17.80	563.59	920	--	ND<10	ND<20	ND<20	ND<20	38	17,000	ND<40	ND<40	ND<40	ND<2,000
			06/12/2015	17.90	563.49	2,200	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	11	2,100	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	18.62	562.77	160	--	ND<10	ND<20	ND<20	ND<20	67	20,000	ND<40	ND<40	ND<40	ND<2,000
			06/17/2016	18.90	562.49	8,300	--	ND<0.50	ND<0.50	ND<0.50	1.1	41	8,100	ND<2.0	ND<2.0	ND<2.0	ND<50

TABLE 2
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	TPHg [3] (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW3	582.35	14-44	08/17/2005	14.69	567.66	ND<50	ND<100	1.0	5.2	ND<0.50	3.3	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			11/18/2005	15.09	567.26	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			02/08/2006	15.45	566.90	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			06/02/2006	15.42	566.93	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			08/21/2006	15.73	566.62	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/17/2006	15.61	566.74	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/12/2007	15.46	566.89	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	15.00	567.35	88	ND<100	6.6	0.60	ND<0.50	0.65	15	73	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	14.80	567.55	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.1	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	14.81	567.54	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.3	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	15.05	567.30	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.95	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	15.20	567.15	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.4	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	15.60	566.75	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.2	24	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	16.20	566.15	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.56	16	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	16.27	566.08	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	57	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	16.15	566.20	ND<100	ND<500	ND<0.50	ND<1.0	ND<1.0	ND<1.0	5.2	230	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2010	15.42	566.93	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.5	110	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	16.37	565.98	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.9	21	ND<2.0	ND<2.0	ND<2,0	ND<50
			01/17/2011	14.96	567.39	430	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.2	390	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	14.55	567.80	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.0	19	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	14.85	567.50	250	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.0	200	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/16/2012	15.20	567.15	160	--	ND<0.50	ND<0.50	0.97	1.9	2.7	150	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2013	16.10	566.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.6	36	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/25/2013	16.41	565.94	250	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	21	230	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.85	565.50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	17.65	564.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.7	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	18.15	564.20	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	18.06	564.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	25	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	18.60	563.75	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	18.80	563.55	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50

TABLE 2
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	TPHg [3] (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW4	579.47	9-39	01/12/2007	14.61	564.86	240	ND<100	1.0	2.8	ND<0.50	1.6	180	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	14.15	565.32	650	ND<100	ND<0.50	ND<0.50	ND<0.50	1.6	65	580	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	14.03	565.44	1,100	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	120	980	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	14.07	565.40	5,100	ND<100	5.8	42	6.2	41	180	4,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	14.45	565.02	11,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	170	10,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	14.40	565.07	9,300	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	72	9,200	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	14.80	564.67	9,200	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	210	8,900	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	15.36	564.11	9,300	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	34	1,100	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	15.46	564.01	4,800	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	17	690	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	15.35	564.12	480	ND<500	ND<10	ND<20	ND<20	ND<20	91	13,000	ND<40	ND<40	ND<40	ND<2,000
			06/11/2010	14.65	564.82	9,800	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	9,700	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	15.43	564.04	25,000	ND<100	ND<10	ND<10	ND<10	ND<10	44	24,000	ND<40	ND<40	ND<40	ND<1000
			01/17/2011	14.22	565.25	7,700	ND<100	ND<10	ND<10	ND<10	ND<10	35	7,600	ND<40	ND<40	ND<40	ND<1,000
			05/06/2011	13.90	565.57	22,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	30	17,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	14.20	565.27	4,300	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	51	3,900	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/17/2012	14.50	564.97	1,400	--	ND<0.50	ND<0.50	1.2	1.8	16	1,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	15.30	564.17	450	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	18	420	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/25/2013	15.60	563.87	7,400	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	95	7,200	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.09	563.38	1,300	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	190	940	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	16.62	562.85	1,500	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	260	1,100	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	17.24	562.23	710	--	ND<10	ND<20	ND<20	ND<20	57	16,000	ND<40	ND<40	ND<40	ND<2,000
			06/11/2015	17.20	562.27	1,600	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	20	1,500	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	17.65	561.82	ND<100	--	ND<2.0	ND<4.0	ND<4.0	ND<4.0	16	1,900	ND<8.0	ND<8.0	ND<8.0	ND<400
			06/17/2016	17.88	561.59	67	--	ND<0.50	ND<0.50	ND<0.50	1.2	7.2	160	ND<2.0	ND<2.0	ND<2.0	ND<50
MW5	582.93	10-40	01/12/2007	13.33	569.60	120	ND<100	0.50	1.4	ND<0.50	0.60	83	13	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	12.65	570.28	110	ND<100	ND<0.50	ND<0.50	ND<0.50	0.60	30	82	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	12.25	570.68	1,300	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	47	1,200	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	12.25	570.68	8,300	ND<100	1.0	7.0	1.1	6.4	98	8,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	12.60	570.33	430	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	410	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	12.90	570.03	350	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.0	320	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	13.25	569.68	75	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.1	68	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	14.00	568.93	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.3	22	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	14.10	568.83	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.0	35	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	15.18	567.75	ND<100	ND<500	ND<0.50	ND<1.0	ND<1.0	ND<1.0	1.2	80	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2010	13.21	569.72	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	23	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	14.40	568.53	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	12.65	570.28	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<10	ND<2.0	ND<2.0	ND<50
			05/06/2011	11.83	571.10	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	12.28	570.65	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/16/2012	12.74	570.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	14.08	568.85	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/25/2013	14.40	568.53	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	14.79	568.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	15.80	567.13	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	16.71	566.22	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	16.80	566.13	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.8	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	17.50	565.43	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	17.60	565.33	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	TPHg [3] (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW6	583.68	10-40	01/12/2007	14.50	569.18	99,000	ND<100	ND<0.50	1.2	ND<0.50	0.77	270	98,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	13.95	569.73	140,000	ND<100	ND<0.50	ND<0.50	ND<0.50	0.77	170	140,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	13.53	570.15	190,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	270	190,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	13.72	569.96	230,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	350	230,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	14.16	569.52	93,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	85	92,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	14.50	569.18	120,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	46	110,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	15.05	568.63	76,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	87	75,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	15.95	567.73	34,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	87	33,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	16.10	567.58	27,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	25,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	15.82	567.86	1,000	ND<500	ND<25	ND<50	ND<50	ND<50	53	31,000	ND<100	ND<100	ND<100	ND<5,000
			06/11/2010	14.35	569.33	23,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	16	23,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	15.26	568.42	13,000	ND<100	ND<10	ND<10	ND<10	ND<10	ND<0.50	12,000	ND<40	ND<40	ND<40	ND<1000
			01/17/2011	12.78	570.90	3,000	ND<100	ND<10	ND<10	ND<10	ND<10	1.1	2,800	ND<40	ND<40	ND<40	ND<1,000
			05/06/2011	13.58	570.10	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.9	2,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	13.70	569.98	210	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.1	170	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/17/2012	14.20	569.48	210	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.1	170	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	15.65	568.03	86	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.9	83	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/26/2013	16.18	567.50	360	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	13	340	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.95	566.73	180	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	17	140	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	18.45	565.23	310	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.8	290	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	18.65	565.03	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	12	130	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/12/2015	18.98	564.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.9	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	19.85	563.83	120	--	ND<0.50	ND<0.50	9.4	23	3.9	32	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	20.06	563.62	180	--	ND<0.50	ND<0.50	0.94	3.2	1.9	16	ND<2.0	ND<2.0	ND<2.0	ND<50
MW7	580.83	10-40	01/12/2007	13.00	567.83	1,300	ND<100	1.8	57	130	260	1.5	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	12.46	568.37	190	ND<100	0.75	43	80	140	5.4	180	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	12.15	568.68	1,200	ND<100	ND<0.50	17	62	120	5.3	980	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	12.15	568.68	7,600	ND<100	2.2	110	320	680	8.0	3,400	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	12.45	568.38	3,800	ND<100	ND<0.50	42	170	440	5.0	1,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	13.10	567.73	2,400	ND<100	ND<0.50	28	110	330	4.3	1,200	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	13.60	567.23	11,000	ND<100	ND<0.50	4.8	19	45	20	9,800	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	14.45	566.38	1,100	ND<100	ND<0.50	17	100	270	1.4	410	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	14.46	566.37	1,600	ND<100	ND<0.50	21	140	420	3.4	670	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	14.30	566.53	3,800	2,500*	ND<5.0	17	200	500	ND<10	6,400	ND<20	ND<20	ND<20	ND<1,000
			06/11/2010	13.02	567.81	2,100	250	ND<0.50	21	270	550	4.2	1,100	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	13.92	566.91	1,400	ND<100	ND<0.50	5.4	79	250	3.9	380	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	12.21	568.62	1,000	ND<100	ND<0.50	10	96	190	2.1	140	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	11.65	569.18	820	ND<100	ND<0.50	2.4	42	61	1.1	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	12.20	568.63	1,400	--	ND<0.50	5.6	110	98	4.0	110	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/17/2012	12.57	568.26	5,100	--	ND<0.50	7.8	120	130	1.6	19	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/26/2012	13.90	566.93	210	--	ND<0.50	ND<0.50	35	42	1.9	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/25/2013	14.40	566.43	680	--	ND<0.50	2.5	49	66	18	240	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	15.19	565.64	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.3	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	16.10	564.73	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	10	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	16.98	563.85	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	1.4	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	16.98	563.85	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	18.25	562.58	2,500	--	ND<0.50	ND<1.0	130	321	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	18.20	562.63	1,400	--	ND<0.50	ND<0.50	14	36	ND<0.50	25	ND<2.0	ND<2.0	ND<2.0	ND<50

TABLE 2
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	TPHg [3] (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW8	584.90	10-40	08/31/2007	14.04	570.86	8,400	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	63	8,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	14.10	570.80	16,000	ND<100	1.9	12	2.1	9.8	79	15,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	14.50	570.40	13,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	61	13,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	17.65	567.25	17,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	34	17,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	15.23	569.67	9,800	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	90	9,700	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	16.07	568.83	1,400	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.6	1,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	16.20	568.70	810	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.3	740	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	16.05	568.85	190	ND<500	ND<5.0	ND<10	ND<10	ND<10	29	5,400	ND<20	ND<20	ND<20	ND<1,000
			06/11/2010	15.15	569.75	3,700	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	3,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	16.41	568.49	4,400	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	16	4,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	14.46	570.44	9,800	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	18	9,700	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	13.70	571.20	8,900	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	23	8,500	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	14.20	570.70	4,100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	32	3,800	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/17/2012	14.70	570.20	150	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	11	130	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	16.10	568.80	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.6	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/25/2013	16.60	568.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.0	32	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	17.36	567.54	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.4	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	18.20	566.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	19.40	565.50	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	4.4	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	19.41	565.49	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.7	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	20.40	564.50	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	2.6	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	20.45	564.45	--	--	--	--	--	--	--	--	--	--	--	--
MW9	585.78	5-30	06/11/2010	14.55	571.23	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	16.08	569.70	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	13.75	572.03	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	12.98	572.80	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	13.60	572.18	--	--	--	--	--	--	--	--	--	--	--	--
			04/16/2012	14.20	571.58	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	15.70	570.08	--	--	--	--	--	--	--	--	--	--	--	--
			06/25/2013	16.05	569.73	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.75	569.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	16.70	569.08	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	21.10	564.68	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	18.25	567.53	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	19.11	566.67	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	18.35	567.43	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	TPHg [3] (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW10	586.03	4-29	06/11/2010	15.83	570.20	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	17.25	568.78	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	14.95	571.08	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	14.10	571.93	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	14.80	571.23	--	--	--	--	--	--	--	--	--	--	--	--
			04/16/2012	15.35	570.68	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	16.90	569.13	--	--	--	--	--	--	--	--	--	--	--	--
			06/25/2013	17.55	568.48	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	18.40	567.63	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	18.95	567.08	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	20.45	565.58	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	20.32	565.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	21.45	564.58	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	21.55	564.48	--	--	--	--	--	--	--	--	--	--	--	--
MW11	583.56	5-30	06/11/2010	15.51	568.05	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	16.65	566.91	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	14.66	568.90	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	14.00	569.56	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	14.65	568.91	--	--	--	--	--	--	--	--	--	--	--	--
			04/16/2012	15.00	568.56	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	16.36	567.20	--	--	--	--	--	--	--	--	--	--	--	--
			06/25/2013	16.95	566.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	17.78	565.78	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	18.40	565.16	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	19.78	563.78	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	19.70	563.86	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	20.80	562.76	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	20.95	562.61	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	TPHg [3] (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW12	579.72	5-30	06/11/2010	12.99	566.73	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	14.01	565.71	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	12.25	567.47	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	11.70	568.02	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	12.27	567.45	--	--	--	--	--	--	--	--	--	--	--	--
			04/16/2012	12.50	567.22	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	13.75	565.97	--	--	--	--	--	--	--	--	--	--	--	--
			06/25/2013	14.27	565.45	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	14.99	564.73	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	15.65	564.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	16.80	562.92	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	16.76	562.96	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			02/14/2015	17.75	561.97	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	17.90	561.82	--	--	--	--	--	--	--	--	--	--	--	--
MW13	576.97	5-30	06/11/2010	15.95	561.02	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	16.37	560.60	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	15.53	561.44	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	15.45	561.52	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	15.60	561.37	--	--	--	--	--	--	--	--	--	--	--	--
			04/16/2012	15.70	561.27	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	16.02	560.95	--	--	--	--	--	--	--	--	--	--	--	--
			06/25/2013	16.35	560.62	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.60	560.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	16.95	560.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	17.45	559.52	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	9.1	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	17.45	559.52	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	17.90	559.07	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	4.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	17.99	558.98	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	TPHg [3] (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
AS1	583.19	20-22.5	07/27/2010	16.05	567.14	25,000	16,000*	ND<50	240	2,400	3,540	ND<100	120,000	ND<200	ND<200	ND<200	ND<10,000
			06/26/2013	16.20	566.99	4,200	--	55	14	140	13	10	4,100	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	17.90	565.29	450	--	ND<10	ND<20	ND<20	ND<20	23	16,000	ND<40	ND<40	ND<40	ND<2,000
			06/12/2015	18.81	564.38	1,700	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.2	1,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	19.45	563.74	320	--	ND<5.0	ND<10	ND<10	ND<10	ND<10	4,200	ND<20	ND<20	ND<20	ND<1,000
			06/17/2016	19.90	563.29	230	--	ND<0.50	ND<0.50	ND<0.50	0.86	1.2	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
AS2	583.43	27.5-30	07/27/2010	15.30	568.13	5,700*	920*	ND<25	ND<50	ND<50	ND<50	ND<50	17,000	ND<100	ND<200	ND<100	ND<5,000
			06/26/2013	16.23	567.20	3,700	--	0.79	0.86	14	4.0	28	3,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	18.57	564.86	450	--	ND<10	ND<20	ND<20	ND<20	51	14,000	ND<40	ND<40	ND<40	ND<2,000
			06/12/2015	19.01	564.42	1,200	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	57	1,100	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	19.90	563.53	180	--	ND<10	ND<20	ND<20	ND<20	81	23,000	ND<40	ND<40	ND<40	ND<2,000
			06/17/2016	20.15	563.28	6,200	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	6,100	ND<2.0	ND<2.0	ND<2.0	ND<50
AS3	NS	19.5-22	07/27/2010	15.46	NS	2,000*	ND<500	ND<50	ND<100	ND<100	ND<100	ND<100	40,000	ND<200	ND<200	ND<200	ND<10,000
			06/26/2013	16.50	NS	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	20	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	19.20	NS	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	7.8	41	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/12/2015	19.41	NS	ND<50	--	1.1	2.2	0.64	3.2	1.9	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	20.40	NS	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	1.5	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	20.55	NS	1,300	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.8	1,200	ND<2.0	ND<2.0	ND<2.0	ND<50
AS4	NS	20-22.5	07/27/2010	15.50	NS	2,400*	1,600*	ND<12	ND<25	ND<25	ND<25	ND<25	22,000	ND<50	ND<50	ND<50	ND<2,500
			06/26/2013	16.55	NS	3,800	--	1.6	2.0	5.2	16	13	3,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	13.80	NS	--	--	--	--	--	--	--	--	--	--	--	--
			06/11/2015	Dry	NS	--	--	--	--	--	--	--	--	--	--	--	--
			12/14/2015	Dry	NS	--	--	--	--	--	--	--	--	--	--	--	--
			06/17/2016	17.35	NS	--	--	--	--	--	--	--	--	--	--	--	--
AS5	NS	20-22.5	07/27/2010	14.95	NS	28,000	17,000*	3,000	1,600	2,500	3,530	740	100,000	ND<200	ND<200	ND<200	ND<10,000
			06/26/2013	15.95	NS	12,000	--	ND<0.50	ND<0.50	6.8	11	100	11,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	18.15	NS	520	--	ND<0.50	ND<1.0	4.1	ND<1.0	6.1	16,000	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/12/2015	18.56	NS	3,100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.0	3,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	19.50	NS	150	--	ND<10	ND<20	ND<20	ND<20	ND<20	11,000	ND<40	ND<40	ND<40	ND<2,000
			06/17/2016	19.70	NS	--	--	--	--	--	--	--	--	--	--	--	--
AS6	NS	20-22.5	07/27/2010	14.40	NS	83,000*	25,000*	29	26	730	104	34	1,500	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/26/2013	15.50	NS	8,600	--	ND<0.50	1.3	1.0	2.4	120	8,500	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	18.20	NS	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	64	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/12/2015	18.60	NS	62	--	ND<0.50	ND<0.50	ND<0.50	1.26	ND<0.50	48	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	19.55	NS	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	34	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	19.75	NS	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	TPHg [3] (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
AS7	582.46	20-22.5	07/27/2010	14.95	567.51	3,200*	ND<500	ND<50	ND<100	ND<100	ND<100	110	62,000	ND<200	ND<200	ND<200	ND<10,000
			06/26/2013	15.60	566.86	19,000	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	350	18,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	17.50	564.96	120	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	32	2,200	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/12/2015	17.33	565.13	130	--	0.66	1.6	ND<0.50	2.9	12	100	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	17.73	564.73	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	16	150	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	18.02	564.44	--	--	--	--	--	--	--	--	--	--	--	--
AS8	582.31	20-22.5	07/27/2010	15.28	567.03	2,000*	ND<500	ND<0.50	ND<1.0	ND<1.0	ND<1.0	43	34,000	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/26/2013	16.10	566.21	22,000	--	ND<0.50	ND<0.50	0.65	2.4	13	21,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	18.08	564.23	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	8.1	150	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/12/2015	18.10	564.21	98	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.2	85	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	18.84	563.47	ND<100	--	0.78	1.2	1.6	ND<1.0	2.1	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	19.05	563.26	--	--	--	--	--	--	--	--	--	--	--	--
AS9	NS	19.5-22	07/27/2010	15.70	NS	73,000	53,000*	440	11,000	4,500	24,400	72	33,000	ND<100	ND<100	ND<100	ND<5,000
			06/26/2013	14.76	NS	--	--	--	--	--	--	--	--	--	--	--	--
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	17.80	NS	--	--	--	--	--	--	--	--	--	--	--	--
			06/11/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/14/2015	17.55	NS	--	--	--	--	--	--	--	--	--	--	--	--
			06/17/2016	18.15	NS	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
[1] Groundwater monitoring well locations and elevations were surveyed in general accordance with Geotracker standards on November 4, 2005, by a RDM Surveying, Inc., a California licensed land surveyor, with respect to City of West Covina Bench Mark #108.
[2] Depth to groundwater as measured from the top of well casing.
[3] Analyzed for total petroleum hydrocarbons as gasoline (TPHg) and as diesel (TPHd) by modified EPA Method No. 8015M.
[4] Analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX) , Methyl-t-Butyl Ether (MTBE), Tert-Butyl Alcohol (TBA), Diisopropyl Ether (DIPE), Ethyl-t-Butyl Ether (ETBE), Tert-Amyl-Methyl Ether (TAME), and ethanol by EPA Method No. 8260B.

(ug/l) = micrograms per liter
ND<0.50 = Not Detected at or above the laboratory detection limit.
ft-msl = feet above mean sea level.
bgs = below the ground surface.
-- = not analyzed
NS = Not Surveyed
* = Sample does not match the chromatographic pattern of specified standard

TABLE 3
SUMMARY OF ADDITIONAL GROUNDWATER VOC CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Date Sampled	Acetone (ug/l)	Bromodichloro-methaane (ug/l)	Bromoform (ug/l)	2-butanone (ug/l)	n-butyl-benzene (ug/l)	sec-Butyl-benzene (ug/l)	Chloroform (ug/l)	Dibromochloro-methane (ug/l)	Isopropyl-benzene (ug/l)	p-Isopropyl-toluene (ug/l)	Naphthalene (ug/l)	n-propyl-benzene (ug/l)	1,2,4-trimethyl-benzene (ug/l)	1,3,5-trimethyl-benzene (ug/l)
MW1	11/21/2014	ND<500	ND<25	ND<25	ND<250	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<250	ND<25	ND<25	ND<25
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<500	ND<25	ND<25	ND<250	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<250	ND<25	35	ND<25
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
MW2	11/21/2014	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2015	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	3.6	2.3
MW3	11/21/2014	29	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
MW4	11/21/2014	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<80	ND<4.0	ND<4.0	ND<40	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<40	ND<4.0	ND<4.0	ND<4.0
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.1	1.1
MW5	11/21/2014	46	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW6	11/21/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	2.1	ND<1.0	ND<1.0	ND<1.0	2.4	ND<1.0	ND<10	11	39	16
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.2	12	6.9
MW7	11/21/2014	46	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	57	14	ND<1.0	ND<1.0	45	7.7	27	400	1,800	690
	06/17/2016	--	--	ND<1.0	--	3.7	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.3	31	130	83

TABLE 3
SUMMARY OF ADDITIONAL GROUNDWATER VOC CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Date Sampled	Acetone (ug/l)	Bromodichloro-methaane (ug/l)	Bromoform (ug/l)	2-butanone (ug/l)	n-butyl-benzene (ug/l)	sec-Butyl-benzene (ug/l)	Chloroform (ug/l)	Dibromochloro-methane (ug/l)	Isopropyl-benzene (ug/l)	p-Isopropyl-toluene (ug/l)	Naphthalene (ug/l)	n-propyl-benzene (ug/l)	1,2,4-trimethyl-benzene (ug/l)	1,3,5-trimethyl-benzene (ug/l)
MW8	11/21/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW9	11/21/2014	26	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	1.1	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	11/21/2014	25	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	1.4	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	11/21/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW12	11/21/2014	44	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	02/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	1.6	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW13	11/21/2014	23	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AS1	11/24/2014	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2015	ND<200	ND<10	ND<10	ND<100	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<100	ND<10	ND<10	ND<10
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	3.5	1.8

TABLE 3
SUMMARY OF ADDITIONAL GROUNDWATER VOC CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Date Sampled	Acetone (ug/l)	Bromodichloro-methaane (ug/l)	Bromoform (ug/l)	2-butanone (ug/l)	n-butyl-benzene (ug/l)	sec-Butyl-benzene (ug/l)	Chloroform (ug/l)	Dibromochloro-methane (ug/l)	Isopropyl-benzene (ug/l)	p-Isopropyl-toluene (ug/l)	Naphthalene (ug/l)	n-propyl-benzene (ug/l)	1,2,4-trimethyl-benzene (ug/l)	1,3,5-trimethyl-benzene (ug/l)
AS2	11/24/2014	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2015	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
AS3	11/24/2014	31.00	ND<1.0	ND<1.0	41	ND<1.0	ND<1.0	1.2	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2016	ND<20	1.7	ND<1.0	ND<10	ND<1.0	ND<1.0	2.0	2.1	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
AS4	11/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AS5	11/24/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2015	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AS6	11/24/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	44	5.1	2.6	ND<10	ND<1.0	ND<1.0	6.0	6.1	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AS7	11/24/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2016	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3
SUMMARY OF ADDITIONAL GROUNDWATER VOC CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Date Sampled	Acetone (ug/l)	Bromodichloro-methaane (ug/l)	Bromoform (ug/l)	2-butanone (ug/l)	n-butyl-benzene (ug/l)	sec-Butyl-benzene (ug/l)	Chloroform (ug/l)	Dibromochloro-methane (ug/l)	Isopropyl-benzene (ug/l)	p-Isopropyl-toluene (ug/l)	Naphthalene (ug/l)	n-propyl-benzene (ug/l)	1,2,4-trimethyl-benzene (ug/l)	1,3,5-trimethyl-benzene (ug/l)
AS8	11/24/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2016	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AS9	11/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/12/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
[1] Analyzed for VOCs in general accordance with EPA Method 8260B.
(ug/l) = micrograms per liter
ND<0.50 = Not Detected at or above the laboratory detection limit.
ft-msl = feet above mean sea level.
-- = not analyzed or not sampled

TABLE 4
VES OPERATION AND MAINTENANCE SUMMARY
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Date	Hour Meter	Difference From Previous Reading	Cumulative Total Operating Hours	Field Measured Influent Concentration Before Dilution (OVA) [1] (ppmv)	(mg/L)	Laboratory Influent Concentration Before Dilution (ppmv)	(mg/L)	Process Flow Rate [1] (scfm)	Removal Rate Average [2] (lbs/hour)	Manifold Vacuum [3] (in. H2O)	Cumulative Hydrocarbons Removed (pounds)	(gallons)	Wells Used for Extraction	Comments
Vapor Extraction System Started On May 4, 2010, Frontier Systems Model No. 250, 250 scfm vapor extraction unit powered by a 10 h.p. motor driven Roots 59 URAI PD vacuum blower.														
05/04/2010	6,997	0	0	2,100	7.40	**1,630**	**5.60**	28	0.586	50	0	0	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	Start up system, collect vapor samples
05/05/2010	7,021	24	24	2,122	7.47			28	0.783	13	16	3	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	monitor system operation parameters
05/06/2010	7,043	22	46	1,800	6.34			28	0.664	13	32	5	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	monitor system operation parameters
05/07/2010	7,066	23	69	1,150	4.05			28	0.424	13	45	7	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	Grease blower
05/08/2010	7,093	27	96	1,100	3.87			28	0.406	13	56	9	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	monitor system operation parameters
05/09/2010	7,117	24	120	1,090	3.84			28	0.402	13	66	11	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	monitor system operation parameters
05/10/2010	7,138	21	141	1,080	3.80	**1,280**	**5.20**	28	0.398	24	74	12	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	System turned off to change out carbon, installed filter housing silencer, tightened belts, collected vapor samples
05/21/2010	7,175	37	178	1,240	4.37			28	0.457	28	90	15	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	System off due to scheduled power outage by SCE
05/26/2010	7,304	129	307	570	2.01			28	0.210	27	133	22	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	Greased blower
06/02/2010	7,468	164	471	467	1.64			28	0.000	36	150	25	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	Greased blower, check observation well data
06/07/2010	7,588	120	591	342	1.20			28	0.126	39	158	26	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	Greased blower
06/16/2010	7,806	218	809	173	0.61			28	0.064	41	179	30	VE1, VE2, VE3, VE4, VE5, MW1, MW2, MW6	monitor system operation parameters
06/22/2010	7,948	142	951	149	0.52	**152**	**0.62**	28	0.065	45	188	31	VE1, VE3, VE4, VE5, MW1, MW2	Closed low concentration wells, collect vapor samples
06/29/2010	8,111	163	1,114	252	0.89			28	0.093	49	201	33	VE1, VE3, VE4, VE5, MW1, MW2	Turn system off to change out carbon
07/07/2010	8,302	191	1,305	144	0.51			28	0.053	46	215	35	VE1, VE3, VE4, VE5, MW1, MW2	Check observation well wells
07/14/2010	8,476	174	1,479	123	0.43			28	0.045	45	223	37	VE3, VE4 (15%), VE5, MW1, MW2	Closed VE1
07/20/2010	8,617	141	1,620	158	0.56	**166**	**0.69**	28	0.072	48	231	38	VE3, VE4 (15%), VE5, MW1, MW2	Collect vapor samples
07/28/2010	8,812	195	1,815	144	0.51			28	0.053	49	244	40	VE3, VE4 (15%), VE5, MW1, MW2	Closed VE4, opened manual dilution to 25% open
08/05/2010	9,000	188	2,003	390	1.37			28	0.144	50	262	43	VE3, VE5, MW1, MW2	Opened manual dilution to 30% open
08/11/2010	9,149	149	2,152	267	0.94			28	0.098	48	280	46	VE3, VE5, MW1, MW2	Adjusted manual dilution to 15% open
08/19/2010	9,343	194	2,346	245	0.86	**193**	**0.79**	28	0.083	49	298	49	VE3, VE5, MW1, MW2	Collect vapor samples
08/25/2010	9,480	137	2,483	215	0.76			28	0.079	49	309	51	VE3, VE5, MW1, MW2	Monitor system operation parameters
09/01/2010	9,651	171	2,654	206	0.73			28	0.076	49	322	53	VE3, VE5, MW1, MW2	Monitor system operation parameters
09/08/2010	9,821	170	2,824	196	0.69			28	0.072	50	335	55	VE3, VE5, MW1, MW2	Monitor system operation parameters
09/16/2010	10,014	193	3,017	182	0.64			28	0.000	50	342	56	VE3, VE5, MW1, MW2	Collect vapor samples
09/23/2010	10,181	167	3,184	173	0.61			28	0.064	50	347	57	VE3, VE5, MW1, MW2	Collect effluent vapor samples
09/30/2010	10,346	165	3,349	160	0.56			28	0.059	49	357	59	VE3, VE5, MW1, MW2	Collect observation wellhead data

TABLE 4
VES OPERATION AND MAINTENANCE SUMMARY
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Date	Hour Meter	Difference From Previous Reading	Cumulative Total Operating Hours	Field Measured Influent Concentration Before Dilution (OVA) [1] (ppmv)	(mg/L)	Laboratory Influent Concentration Before Dilution (ppmv)	(mg/L)	Process Flow Rate [1] (scfm)	Removal Rate Average [2] (lbs/hour)	Manifold Vacuum [3] (in. H2O)	Cumulative Hydrocarbons Removed (pounds)	(gallons)	Wells Used for Extraction	Comments
10/06/2010	10,433	87	3,436	152	0.54			28	0.056	50	362	60	VE3, VE5, MW1, MW2	Collect wellhead data, grease blower
10/14/2010	10,677	244	3,680	13,180	46.43	**1,600**	**5.8**	28	0.607	53	443	73	VE3, VE5, MW1, MW2	Collect vapor samples, adjust manual dilution to 100% open
10/19/2010	10,730	53	3,733	357	1.26			28	0.132	20	463	76	VE1-VE5, MW1, MW2, MW6	Collect wellhead data
10/27/2010	10,927	197	3,930	26	0.09			28	0.010	20	477	79	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters
11/04/2010	11,108	181	4,111	14	0.05			24	0.004	74	478	79	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters
11/12/2010	11,276	168	4,279	18	0.06			28	0.007	77	479	79	VE1-VE5, MW1, MW2, MW6	System off for maintenance, restart system, check for and fix leaking AS wells
11/19/2010	11,445	169	4,448	129	0.45	**310**	**1.1**	28	0.115	26	489	81	VE1-VE5, MW1, MW2, MW6	Collect samples, collect wellhead data
11/24/2010	11,571	126	4,574	55	0.19			28	0.020	50	498	82	VE1-VE5, MW1, MW2, MW6	Collect observation well data
11/29/2010	11,615	44	4,618	849	2.99			28	0.313	25	505	83	VE1-VE5, MW1, MW2, MW6	System off due to high water alarm, drain K.O. pot. Changed oil and greased blower. Troubleshoot AS unit and change out
12/10/2010	11,873	258	4,876	50	0.18			28	0.018	24	548	91	VE1-VE5, MW1, MW2, MW6	Check wellheads, collect wellhead data, collect observation well data
12/16/2010	12,023	150	5,026	23	0.08	**20**	**0.069**	28	0.007	39	550	91	VE1-VE5, MW1, MW2, MW6	Collect vapor samples
12/22/2010	12,163	140	5,166	20	0.07			27	0.007	49	551	91	VE1-VE5, MW1, MW2, MW6	Grease blower, collect wellhead data
12/28/2010	12,308	145	5,311	13	0.05			26	0.004	46	551	91	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect observation well data
01/05/2011	12,312	4	5,315	325	1.14			26	0.111	46	552	91	VE1-VE5, MW1, MW2, MW6	System off for carbon changeout; restart VE and AS systems
01/13/2011	12,503	191	5,506	14	0.05			26	0.005	36	563	93	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters
01/21/2011	12,700	197	5,703	17	0.06	**7.1**	**0.025**	26	0.002	38	564	93	VE1-VE5, MW1, MW2, MW6	Collect vapor samples
01/25/2011	12,790	90	5,793	5	0.02			24	0.002	40	564	93	VE1-VE5, MW1, MW2, MW6	Collect observation wellhead data
02/04/2011	13,030	240	6,033	4	0.01			24	0.001	40	564	93	VE5, MW1, MW6	Close wells with low VOCs, collect observation well data
02/09/2011	13,151	121	6,154	28	0.10	**19**	**0.066**	26	0.006	41	565	93	VE5, MW1, MW6	Collect samples, collect wellhead data
02/15/2011	13,296	145	6,299	24	0.08			26	0.008	42	566	93	VE5, MW1, MW6	Collect wellhead data, monitor system operation parameters
02/24/2011	13,508	212	6,511	26	0.09			28	0.010	51	567	94	VE5, MW1, MW6	Collect wellhead data, monitor system operation parameters
03/02/2011	13,653	145	6,656	19	0.07			30	0.008	51	569	94	VE5, MW1	Monitor system operation parameters
03/09/2011	13,823	170	6,826	18	0.06	**37**	**0.130**	24	0.012	30	570	94	VE1-VE5, MW1, MW2, MW6	Adjust system to to correct flow
03/16/2011	13,987	164	6,990	64	0.23			20	0.017	39	573	95	VE1-VE5, MW1	Collect wellhead data
03/22/2011	14,133	146	7,136	58	0.20			20	0.015	39	575	95	VE1-VE5, MW1	Monitor system operation parameters, collect wellhead data
03/30/2011	14,327	194	7,330	25	0.09			20	0.007	28	577	95	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect wellhead data
04/06/2011	14,493	166	7,496	12	0.04			20	0.003	31	578	96	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect wellhead data
04/13/2011	14,665	172	7,668	11	0.04			20	0.003	35	578	96	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect wellhead data
04/20/2011	14,829	164	7,832	9	0.03			20	0.002	35	579	96	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters
04/22/2011	14,877	48	7,880	6	0.02			20	0.002	35	579	96	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect wellhead data
04/29/2011	14,878	1	7,881	5	0.02	**13**	**0.046**	20	0.003	35	579	96	VE1-VE5, MW1, MW2, MW6	System off for groundwater level measurements, monitor system operation parameters, collect vapor samples
05/06/2011	15,042	164	8,045	12	0.04			20	0.003	38	580	96	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect wellhead data
05/12/2011	15,182	140	8,185	15	0.05	**ND<5.0**	**ND<0.025**	20	0.004	38	580	96	VE1-VE5, MW1, MW2, MW6	Monitor system operation parameters, collect wellhead data, collect vapor samples

Cumulative Pounds of TPHg Removed Since Initial Start-up (05/04/2010) Through End of Operation (05/20/2011)	580
VES Operating Hours Since Initial Start-up (05/04/2010) Through end of Operation (05/20/2011)	8,185

Notes:

[1] Influent concentration values are measured before dilution and are measured in the field using a Horiba Mexa 334J (Horiba) Infrared Detector, or a Photovac MicroFID (mFID) calibrated to Hexane. Flow rate was measured before dilution (if dilution air used) with a pitot tube reading of velocity pressure.

[2] Field-measured influent UVOC concentrations are used for calculation of hydrocarbon removal. A molecular weight of 86.18 (molecular weight of hexane) was used to convert field-measured ppmv concentrations to mg/L. Laboratory measured influent UVOC concentrations are used for hydrocarbon removal calculations where available.

TABLE 4
VES OPERATION AND MAINTENANCE SUMMARY
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Date	Hour Meter	Difference From Previous Reading	Cumulative Total Operating Hours	Field Measured Influent Concentration Before Dilution (OVA) [1] (ppmv)	(mg/L)	Laboratory Influent Concentration Before Dilution (ppmv)	(mg/L)	Process Flow Rate [1] (scfm)	Removal Rate Average [2] (lbs/hour)	Manifold Vacuum [3] (in. H2O)	Cumulative Hydrocarbons Removed (pounds)	(gallons)	Wells Used for Extraction	Comments

[3] Vacuum measured before automatic or manual dilution.

TABLE 5
HIGH VACUUM DUAL PHASE EXTRACTION (HVDPE) AND GROUNDWATER PUMP AND TREAT DATA
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Date	Hour Meter	Difference From Previous Reading	Cumulative Total Operating Hours	Field Measured Influent Concentration [1] (ppmv)	(mg/L)	Influent Concentration (Laboratory) [2] (ppmv)	(mg/L)	Vapor Flow Rate [3] (scfm)	Cumulative Vapor Volume Removed (cubic feet)	Removal Rate Average [4] (lbs/hour)	Vacuum [5] (in. Hg.)	Dilut. Valve [7] (% open)	Totalizer Reading [8] (gallons)	Cumulative Extracted Groundwater (gallons)	Cumulative Hydrocarbons Removed (Pounds)	(gallons)	Comments
High Vacuum Dual-Phase Extraction System (HVDPE) Started On May 7, 2014, Bisco Systems HVDPE system, 150 scfm vapor extraction unit powered by a 25 h.p. motor driven Decker Liquid Ring blower.																	
05/07/2014	11,922	0	0	123	0.50	**82**	**0.29**	122	0	0.132	14	0	1,127	0	0.00	0	Re-start system, make list of repairs needed, install new hour-meter, collect vapor samples
05/08/2014	11,932	10	10	41	0.17			134	80,400	0.084	12	0	1,443	316	1.08	0.18	System off due to bad fuse for water transfer pump, fix fuse, re-start and tune system
05/09/2014	11,954	22	32	14	0.06			147	274,440	0.031	11	0	2,993	1,866	2.35	0.39	Fix water leaks
05/10/2014	11,979	25	57	18	0.07			143	488,940	0.039	12	0	4,380	3,253	3.24	0.53	O&M
05/11/2014	12,003	24	81	12	0.05			156	713,580	0.029	10	0	5,478	4,351	4.05	0.67	Close wells to 40%
05/12/2014	12,027	24	105	5	0.02			166	952,620	0.013	9	0	6,367	5,240	4.55	0.75	O&M
05/14/2014	12,049	22	127	9	0.04			137	1,133,460	0.019	12	0	7,091	5,964	4.89	0.81	System off due to bad fuse, fix fuse and re-start system
05/21/2014	12,223	174	301	8	0.03			140	2,595,060	0.017	12	0	28,985	27,858	8.02	1.33	O&M
05/28/2014	12,322	99	400	30	0.12			145	3,456,360	0.066	12	0	39,985	38,858	12.16	2.01	System off due to high knockout pot, reset and re-start system
06/04/2014	12,489	167	567	6	0.02			145	4,909,260	0.013	11	0	57,400	56,273	18.82	3.11	O&M
06/11/2014	12,658	169	736	5	0.02	**11**	**0.04**	149	6,420,120	0.022	11	0	73,667	72,540	21.82	3.61	Collect vapor samples
06/16/2014	12,727	69	805	10	0.04			151	7,045,260	0.023	11	0	79,461	78,334	23.39	3.87	Manually turn off system on 6/14/14 to fix psi gauge assembly and leaking water, re-start
06/23/2014	12,799	72	877	62	0.25			147	7,680,300	0.139	11	0	85,043	83,916	29.23	4.83	System off due to high knockout pot, reset and re-start system
06/23/2014	12,802	3	880	93	0.38			122	7,702,260	0.173	14	0	85,043	83,916	29.70	4.91	Close low ppm wells, collect well measurements again
07/01/2014	12,990	188	1,068	11	0.04	**20**	**0.08**	116	9,010,740	0.035	14	0	95,526	94,399	49.26	8.14	Monitor system operation parameters, collect vapor samples
07/07/2014	13,119	129	1,197	18	0.07			116	9,908,580	0.032	14	0	101,743	100,616	53.55	8.85	System off due to blown fuse, replace pump fuse and re-start
07/15/2014	13,127	8	1,205	21	0.09			114	9,963,300	0.037	14	0	102,060	100,933	53.83	8.90	System off due to blown fuse for main holding tank, replace fuse and re-start, rotate and lube fa shafts
07/24/2014	13,156	29	1,234	25	0.10			118	10,168,620	0.045	14	0	103,271	102,144	55.01	9.09	System off due to high knockout pot, clean float sensor and re-start
07/31/2014	13,172	16	1,250	29	0.12			119	10,282,860	0.053	13	0	103,326	102,199	55.79	9.22	System off due to high pump temp and stuck float sensor, clean float sensor and sight tube, re start
08/13/2014	13,184	12	1,262	475	1.94			118	10,367,820	0.856	14	0	103,790	102,663	61.25	10.12	System off due to high knockout pot water, reset knockout pot sensor, re-start system and collec measurements
08/13/2014	13,186	2	1,264	500	2.04	**540**	**1.90**	83	10,377,780	0.590	17	0	103,792	102,665	62.70	10.36	Close VE5 and re-take measurements, collect vapor samples
08/29/2014	13,199	13	1,277	38	0.16			124	10,474,500	0.072	20	0	104,530	103,403	67.00	11.07	System off due to blown fuse for discharge pump, install larger fuse and re-start
09/04/2014	13,206	7	1,284	821	3.36	**1,900**	**7.77**	94	10,513,980	2.730	18	0	104,780	103,653	76.80	12.69	System off due to high knockout pot water, reset knockout pot sensor, re-start and tunc system,collect vapor samples
09/09/2014	13,292	86	1,370	53	0.22			88	10,968,060	0.071	18	0	106,487	105,360	197.27	32.61	System off on arrival, tighten electical connections, fix pump leak, re-start system
09/19/2014	13,362	70	1,440	79	0.32			85	11,325,060	0.103	17	0	110,685	109,558	203.36	33.61	System off on arrival, Able Environmental Services pumps out water from holding tanks, clea inside of knockout pot, re-start
09/25/2014	13,421	59	1,499	648	2.65			94	11,657,820	0.931	17	0	113,691	112,564	233.84	38.65	System off due to tripped mag starter breaker, re-start
09/29/2014	13,460	39	1,538	107	0.44			98	11,887,140	0.160	18	0	115,428	114,301	255.12	42.17	Shut down system and replace sample tank discharge fuse, re-start

TABLE 5
HIGH VACUUM DUAL PHASE EXTRACTION (HVDPE) AND GROUNDWATER PUMP AND TREAT DATA
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Date	Hour Meter	Difference From Previous Reading	Cumulative Total Operating Hours	Field Measured Influent Concentration [1] (ppmv)	Field Measured Influent Concentration [1] (mg/L)	Influent Concentration (Laboratory) [2] (ppmv)	Influent Concentration (Laboratory) [2] (mg/L)	Vapor Flow Rate [3] (scfm)	Cumulative Vapor Volume Removed (cubic feet)	Removal Rate Average [4] (lbs/hour)	Vacuum [5] (in. Hg.)	Dilut. Valve [7] (% open)	Totalizer Reading [8] (gallons)	Cumulative Extracted Groundwater (gallons)	Cumulative Hydrocarbons Removed (Pounds)	Cumulative Hydrocarbons Removed (gallons)	Comments
10/06/2014	13,503	43	1,581	748	3.06			88	12,114,180	1.006	18	0	117,285	116,158	280.19	46.31	System off due to blown discharge pump fuse, replace fuse and re-start, collect vapor samples
10/07/2014	13,524	21	1,602	502	2.05			92	12,230,100	0.706	18	0	118,338	117,211	298.16	49.28	System off due to blown discharge pump fuse, replace fuse and re-start, change out carbon
10/13/2014	13,588	64	1,666	515	2.10	**150**	**0.61**	78	12,529,620	0.614	18	0	120,186	119,059	340.38	56.26	System off on arrival, troubleshoot system, reset knockout pot pump and mag starter, re-start, collect vapor samples
10/21/2014	13,771	183	1,849	302	1.23			76	13,364,100	0.351	18	0	129,843	128,716	428.63	70.85	System off on arrival, troubleshoot system, reset knockout pot pump, re-start
10/29/2014	13,961	190	2,039	84	0.34			96	14,458,500	0.123	18	0	139,540	138,413	473.65	78.29	O&M
11/05/2014	14,040	79	2,118	122	0.50			100	14,932,500	0.186	18	0	143,340	142,213	485.88	80.31	O&M
11/10/2014	14,159	119	2,237	18	0.07	**ND<5.0**	**ND<25**	90	15,575,100	0.025	17	0	144,223	143,096	498.45	82.39	Collect vapor samples
11/18/2014	14,172	13	2,250	1,593	6.51			81	15,638,280	1.972	18	0	144,877	143,750	511.42	84.53	System off due to tripped mag starter breaker, reset knockout pot pump and install new check valve, re-start
11/24/2014	14,220	48	2,298	1,574	6.43			78	15,862,920	1.876	18	0	147,095	145,968	603.76	99.80	System off for water sampling on 11/21/2014, re-start
12/04/2014	14,294	74	2,372	85	0.35			98	16,298,040	0.127	17	0	151,230	150,103	677.88	112.05	System off due to knockout pump malfunction, reset sytem and re-start
12/10/2014	14,439	145	2,517	10	0.04	**ND<5.0**	**ND<25**	81	17,002,740	0.012	19	0	154,048	152,921	688.01	113.72	O&M, collect vapor samples
12/19/2014	14,654	215	2,732	7	0.03			96	18,241,140	0.010	15	0	164,748	163,621	690.44	114.12	O&M
12/22/2014	14,725	71	2,803	8	0.03			98	18,658,620	0.012	15	0	167,489	166,362	691.23	114.25	O&M
12/31/2014	14,942	217	3,020	10	0.04			92	19,856,460	0.014	16	0	174,941	173,814	694.06	114.72	O&M
01/15/2015	15,157	215	3,235	31	0.13			94	21,069,060	0.045	15	0	182,780	181,653	700.35	115.76	System off on arrival, install new de-watering pump and re-start
01/23/2015	15,342	185	3,420	4	0.02	**ND<5.0**	**ND<25**	98	22,156,860	0.006	16	0	184,290	183,163	705.03	116.53	O&M, collect vapor samples
01/29/2015	15,490	148	3,568	21	0.09			102	23,062,620	0.033	14	0	184,700	183,573	707.89	117.01	System off on arrival, re-start, unit is running noisy
02/05/2015	15,655	165	3,733	5	0.02			104	24,092,220	0.008	14	0	185,912	184,785	711.25	117.56	O&M
02/09/2015	15,749	94	3,827	5	0.02			103	24,673,140	0.008	14	0	186,470	185,343	711.99	117.68	Shut down system due to noise complaint
02/15/2015	15,749	0	3,827	15	0.06			102	24,673,140	0.023	14	0	186,470	185,343	711.99	117.68	Install more plywood and sound blankets for noise, re-start
02/20/2015	15,750	1	3,828	224	0.92	**97**	**0.34**	92	24,678,660	0.117	17	0	186,569	185,442	712.06	117.70	Unit off on arrival, re-start, collect vapor samples
02/25/2015	15,872	122	3,950	49	0.20			98	25,396,020	0.073	16	0	189,402	188,275	723.67	119.61	System off on arrival due to low voltage, re-start
03/04/2015	16,039	167	4,117	5	0.02			98	26,377,980	0.007	15	0	196,935	195,808	730.42	120.73	O&M
03/12/2015	16,230	191	4,308	--	--			--	--	--	--	--	--	195,808	730.42	120.73	System off on arrival, remain off to commence rebound testing
Two week vapor rebound test initiated on 07/13/15																	
07/13/2015	16,235	5	4,313	729	2.98	**1,500**	**6.13**	136	26,418,780	3.117	11	0	202,713	201,586	738.23	122.02	Restart system for vapor rebound test; collect influent samples
07/20/2015	16,406	171	4,484	563	2.30	**720**	**2.94**	126	27,711,540	1.385	12	0	208,057	206,930	1,123.10	185.64	System off on arrival due to storm on 7/18/15; re-start; collect influent samples
07/27/2015	16,570	164	4,648	455	1.86	**710**	**2.9**	134	29,030,100	1.453	11	0	211,933	210,806	1,355.78	224.10	System off on arrival due to low voltage; re-start; collect influent samples; shut down system

Cumulative Pounds of TPHg Removed Since Initial Start-up (05/07/2014) Through End of Current Reporting Period (07/27/2015)	1355.78
Cumulative Pounds of TPHg Removed During This Reporting Period (07/13/2015 - 07/27/2015)	625.36
VES Operating Hours for the Current Reporting Period (07/13/2015 - 07/27/2015)	340
VES Percent Up-Time During the Current Reporting Period (07/13/2015 - 07/27/2015)	94%

Notes:

[1] Influent concentration values are measured before dilution and are measured in the field using a Horiba Mexa 334J (Horiba) Infrared Detector, or a Photovac MicroFID (mFID) calibrated to Hexane. Flow rate was measured before dilution (if dilution air used) with a pitot tube reading of velocity pressu

[2] Field-measured influent UVOC concentrations are used for calculation of hydrocarbon removal. A molecular weight of 86.18 (molecular weight of hexane) was used to convert fi measured ppmv concentrations to mg/L. Laboratory measured influent UVOC concentrations are used for hydrocarbon removal calculations where available.

[3] Vacuum measured before automatic or manual dilution.

TABLE 6
SUMMARY OF INFLUENT VAPOR SAMPLING RESULTS
ALAMO CARWASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Sample Designation	Date Sampled	TPH [1] PPMv	Benzene [2] PPMv	Toluene [2] PPMv	Ethylbenzene [2] PPMv	Total Xylenes [2] PPMv	MTBE [2] PPMv	TBA [2] PPMv
INFLUENT SAMPLES BEFORE DILUTION								
Influent Before Dilution	05/04/2010	**1,630**	**6.99**	**20.1**	**15.2**	**52.98**	**15.2**	**8.68**
Influent Before Dilution	05/10/2010	**1,280**	**4.53**	**30.1**	**21.9**	**91.5**	**14.4**	**9.94**
Influent Before Dilution	06/22/2010	**225**	**0.39**	**6.11**	**6.11**	**29.52**	**3.03**	**8.43**
Influent Before Dilution	07/20/2010	**166**	**0.142**	**2.36**	**2.97**	**15.06**	**0.854**	**3.35**
Influent Before Dilution	08/19/2010	**193**	**0.245**	**2.47**	**2.61**	**18.13**	**1.02**	**5.91**
Influent Before Dilution	10/14/2010	**1,600**	**ND<0.10**	**1.5**	**1.2**	**4.6**	**ND<0.10**	**ND<0.50**
Influent Before Dilution	11/19/2010	**310**	**ND<0.10**	**1**	**0.37**	**3.5**	**ND<0.10**	**ND<0.50**
Influent Before Dilution	12/16/2010	**20**	**ND<0.10**	**ND<0.10**	**ND<0.10**	**0.28**	**ND<0.10**	**ND<0.50**
Influent Before Dilution	01/21/2011	**7.1**	**ND<0.10**	**ND<0.10**	**ND<0.10**	**ND<0.10**	**ND<0.10**	**ND<0.50**
Influent Before Dilution	02/09/2011	**19**	**ND<0.10**	**0.24**	**ND<0.10**	**0.32**	**ND<0.10**	**ND<0.50**
Influent Before Dilution	03/09/2011	**37**	**ND<0.050**	**0.098**	**0.055**	**0.25**	**ND<0.050**	**ND<0.50**
Influent Before Dilution	04/29/2011	**13**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.50**
Influent Before Dilution	05/12/2011	**ND<5.0**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.50**
Influent Before Dilution	05/07/2014	**82**	**ND<0.050**	**0.0584**	**0.077**	**0.24**	**ND<0.050**	**ND<0.25**
Influent Before Dilution	06/11/2014	**11**	**ND<0.020**	**0.022**	**0.026**	**0.052**	**ND<0.040**	**0.920**
Influent Before Dilution	07/01/2014	**20**	**ND<0.020**	**ND<0.020**	**0.042**	**0.154**	**ND<0.040**	**3.600**
Influent Before Dilution	08/13/2014	**540**	**0.066**	**0.42**	**0.34**	**1.8**	**0.12**	**ND<0.25**
Influent Before Dilution	09/04/2014	**1,900**	**ND<1.0**	**0.130**	**0.210**	**0.870**	**ND<2.0**	**1.10**
Influent Before Dilution	10/13/2014	**150**	**ND<0.500**	**ND<0.500**	**ND<0.500**	**ND<1.0**	**ND<1.0**	**2.20**
Influent Before Dilution	11/10/2014	**ND<5.0**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.25**
Influent Before Dilution	12/10/2014	**ND<5.0**	**ND<0.050**	**0.064**	**0.13**	**0.47**	**ND<0.050**	**ND<0.50**
Influent Before Dilution	01/23/2015	**ND<5.0**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.050**	**ND<0.50**
Influent Before Dilution	02/20/2015	**97**	**ND<0.050**	**ND<0.050**	**0.21**	**0.55**	**ND<0.050**	**ND<0.50**
Influent Before Dilution	07/13/2015	**1,500**	**ND<0.010**	**ND<0.100**	**0.300**	**0.378**	**ND<0.040**	**0.590**
Influent Before Dilution	07/20/2015	**720**	**0.0074**	**ND<0.050**	**0.074**	**0.191**	**0.023**	**1.100**
Influent Before Dilution	07/27/2015	**710**	**ND<0.0025**	**ND<0.025**	**0.069**	**0.067**	**ND<0.010**	**0.091**

Notes:
[1] Total petroleum hydrocarbons analyzed in accordance with EPA Method No. 8015M modified for gasoline.
[2] Benzene, toluene, ethylbenzene, total xylenes, and fuel oxygenates analyzed in accordance with with EPA Method No. 8260B.
[3] PPMv = parts per million per volume

TABLE 7
SUMMARY OF EXTRACTION WELL VAPOR SAMPLING RESULTS
ALAMO CARWASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Sample Designation	Date Sampled	TPH [1] PPMv	Benzene [2] PPMv	Toluene [2] PPMv	Ethylbenzene [2] PPMv	Total Xylenes [2] PPMv	MTBE [2] PPMv	TBA [2] PPMv
VE1	05/10/2010	166	0.226	3.40	3.91	17.1	0.887	1.54
	10/15/2010	1,100	ND<0.10	0.80	2.0	15	ND<0.10	ND<0.50
	03/09/2011	ND<5.0	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.50
	06/11/2014	2.4	ND<0.0050	0.013	ND<0.0050	0.0234	ND<0.010	0.084
VE2	05/10/2010	51	0.070	0.786	1.04	5.21	1.61	3.23
	10/15/2010	820	ND<0.10	ND<0.10	0.071	0.35	ND<0.10	ND<0.50
	03/09/2011	ND<5.0	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.50
	06/11/2014	ND<1.5	ND<0.0050	0.014	ND<0.0050	0.0236	ND<0.010	ND<0.010
VE3	05/10/2010	609	0.804	2.33	4.22	19.19	1.54	2.48
	10/15/2010	13,000	1.0	25	16	44	ND<0.10	ND<0.50
	03/09/2011	120	ND<0.050	ND<0.050	0.071	0.099	ND<0.050	ND<0.50
	06/11/2014	28	ND<0.025	0.034	ND<0.025	0.133	ND<0.050	ND<0.050
	09/04/2014	290	ND<0.050	0.0020	0.074	0.151	ND<0.100	0.070
VE4	05/10/2010	1,040	6.36	20.2	15.7	86.5	1.34	1.32
	10/15/2010	1,100	ND<0.10	ND<0.10	ND<0.10	0.23	ND<0.10	ND<0.50
	03/09/2011	14	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.50
	06/11/2014	3.2	ND<0.0050	0.014	0.045	0.086	ND<0.010	ND<0.010
	09/04/2014	710	ND<0.250	0.0095	0.015	0.050	ND<0.500	0.038
VE5	05/10/2010	5,080	27.0	112	70.9	305	102	27.8
	10/15/2010	1,300	ND<0.10	0.10	0.32	3.0	ND<0.10	ND<0.50
	03/09/2011	17	ND<0.050	ND<0.050	ND<0.050	0.28	ND<0.050	ND<0.50
	06/11/2014	ND<1.5	ND<0.0050	0.014	ND<0.0050	0.014	ND<0.010	0.110
MW1	05/10/2010	3,750	7.07	91.7	66.8	262	26.8	27.2
	03/09/2011	60	0.13	0.42	0.13	0.69	0.11	ND<0.50
	06/11/2014	ND<1.5	ND<0.0050	0.017	ND<0.0050	ND<0.0050	ND<0.010	0.021
	09/04/2014	19	0.0026	0.038	0.029	0.167	ND<0.800	1.5
MW2	05/10/2010	216	0.883	5.16	5.68	28.84	3.11	8.71
	10/15/2010	11,000	ND<0.10	14	6.9	21	ND<0.10	ND<0.50
	03/09/2011	ND<5.0	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.50
	06/11/2014	3.1	ND<0.0050	0.015	ND<0.0050	ND<0.0050	0.037	ND<0.010
MW6	05/10/2010	68	0.119	1.24	1.81	9.16	5.16	1.51
	10/15/2010	450	ND<0.10	0.40	ND<0.10	1.2	ND<0.10	ND<0.50
	03/09/2011	ND<5.0	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.50
	06/11/2014	ND<1.5	ND<0.0050	0.012	ND<0.0050	ND<0.0050	0.048	ND<0.010

Notes:
[1] Total petroleum hydrocarbons analyzed in accordance with EPA Method No. 8015M modified for gasoline.
[2] Benzene, toluene, ethylbenzene, total xylenes, and fuel oxygenates analyzed in accordance with with EPA Method No. 8260B.
[3] PPMv = parts per million per volume

Table 8
Air Sparge System Data
Alamo Car Wash
784 North Nogales Street
Walnut, California

Date	Hour Meter	Difference From Previous Reading	Cumulative Total Operating Hours	Total Pressure (psi)	Comments
10/14/2010	0	0	0	--	Start-up Air Sparge System
10/19/2010	119	119	119	18	Monitor system operation parameters
10/27/2010	312	193	312	--	Monitor system operation parameters, turn off system
11/04/2010	312	0	312	--	System off
11/12/2010	314	2	314	--	Check / repair leaking wells, restart system
11/19/2010	478	164	478	--	Monitor system operation parameters
11/24/2010	603	125	603	--	Monitor system operation parameters
11/29/2010	648	45	648	--	Change vanes, grease motor, restart system
12/10/2010	905	257	905	--	Monitor system operation parameters
12/16/2010	1,056	151	1,056	--	Monitor system operation parameters
12/22/2010	1,196	140	1,196	--	Monitor system operation parameters
12/28/2010	1,340	144	1,340	--	Monitor system operation parameters
01/05/2011	1,344	4	1,344	--	Wellhead check, grase bolts, leak maintenance
01/13/2011	1,536	192	1,536	--	Replace pressure gage on AS-4, install temp. gage, grease blower, wellhead check, clean filter
01/21/2011	1,732	196	1,732	--	Wellhead check, leak maintenance
01/25/2011	1,821	285	1,821	--	Leak maintenance
02/04/2011	2,061	240	2,061	--	Monitor system operation parameters
02/09/2011	2,183	122	2,183	--	Monitor system operation parameters
02/15/2011	2,327	144	2,327	--	Monitor system operation parameters
02/24/2011	2,540	213	2,540	--	Grease blower
03/02/2011	2,684	144	2,684	--	Monitor system operation parameters
03/09/2011	2,852	168	2,852	--	Monitor system operation parameters
03/10/2011	2,865	13	2,865	--	Grease blower
03/16/2011	2,938	73	2,938	--	Monitor system operation parameters
03/22/2011	3,011	73	3,011	--	Grease blower
03/30/2011	3,111	100	3,111	--	Leak maintenance
04/06/2011	3,196	85	3,196	--	Wellhead check, leak maintenance
04/13/2011	3,287	91	3,287	--	Wellhead check
04/20/2011	3,394	107	3,394	--	Monitor system operation parameters
04/22/2011	3,441	47	3,441	--	Monitor system operation parameters
04/29/2011	3,442	1	3,442	11.5	Grease blower, install pressure gage
05/06/2011	3,606	164	3,606	11.5	Monitor system operation parameters
05/12/2011	3,746	140	3,746	11	Grease blower
05/20/2011	3,912	166	3,912	--	Monitor system operation parameters, shut down system

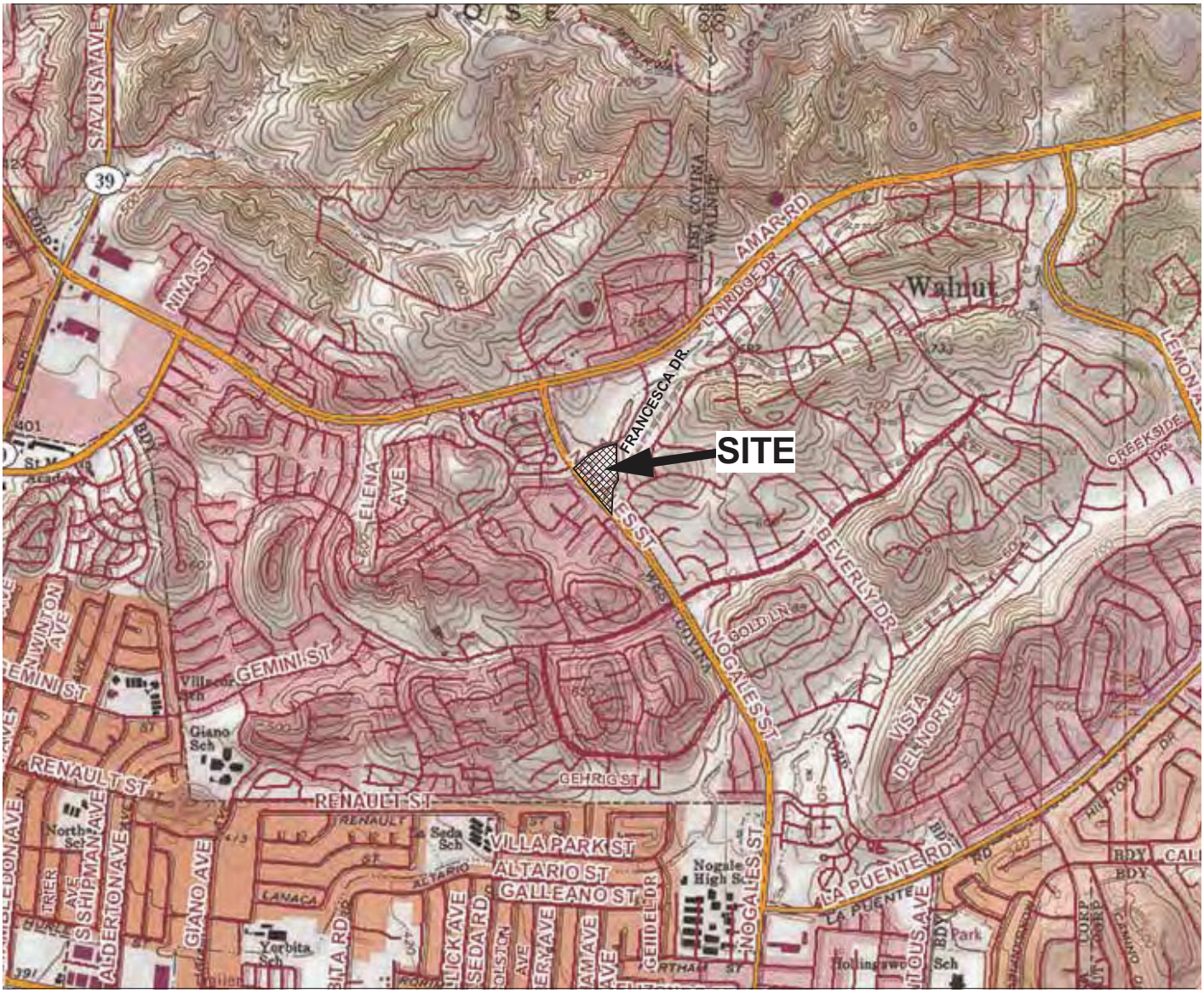
Notes:
-- = not recorded or analyzed
* = hours estimated

Table 9
SUMMARY OF WELL CONSTRUCTION DETAILS
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Well Designation	Installation Date	Well Diameter (inches)	Bottom of Boring (feet)	Top of Sand Pack (feet)	Screen Interval (feet)
MW1	07/15/2005	4	41.5	7	9-39
MW2	07/15/2005	4	41.5	6	8-38
MW3	07/15/2005	4	46.5	12	14-44
MW4	12/18/2006	4	41.5	7	9-39
MW5	12/19/2006	4	41.5	8	10-40
MW6	12/18/2006	4	41.5	8	10-40
MW7	12/19/2006	4	41.5	8	10-40
MW8	08/09/2007	4	41.5	8	10-40
MW9	04/07/2010	4	31.5	4	5-30
MW10	04/08/2010	4	31.5	3	4-29
MW11	04/08/2010	4	31.5	4	5-30
MW12	04/08/2010	4	31.5	4	5-30
MW13	04/07/2010	4	31.5	4	5-30
AS1	08/09/2007	2	23	19	20-22.5
AS2	08/09/2007	2	31	26	27.5-30
AS3	09/25/2007	2	26	18	19.5-22
AS4	09/25/2007	2	26	19	20-22.5
AS5	09/25/2007	2	26	19	20-22.5
AS6	09/25/2007	2	25	17.5	20-22.5
AS7	09/25/2007	2	24.5	18	20-22.5
AS8	09/25/2007	2	25	17.5	20-22.5
AS9	09/25/2007	2	26	18	19.5-22
VE1	08/09/2007	2	16.5	4	5-15
VE2	09/25/2007	2	16.5	4	5-15
VE3	09/25/2007	2	16.5	4	5-15
VE4	09/25/2007	2	17.5	4	5-15
VE5	09/25/2007	2	17.5	4	5-15

Notes:
[1] Depths measured in feet below ground surface.

FIGURES



NORTH

0 1/2 1

SCALE IN MILES

ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Client: **GERSTNER** Project No.: **159-11**

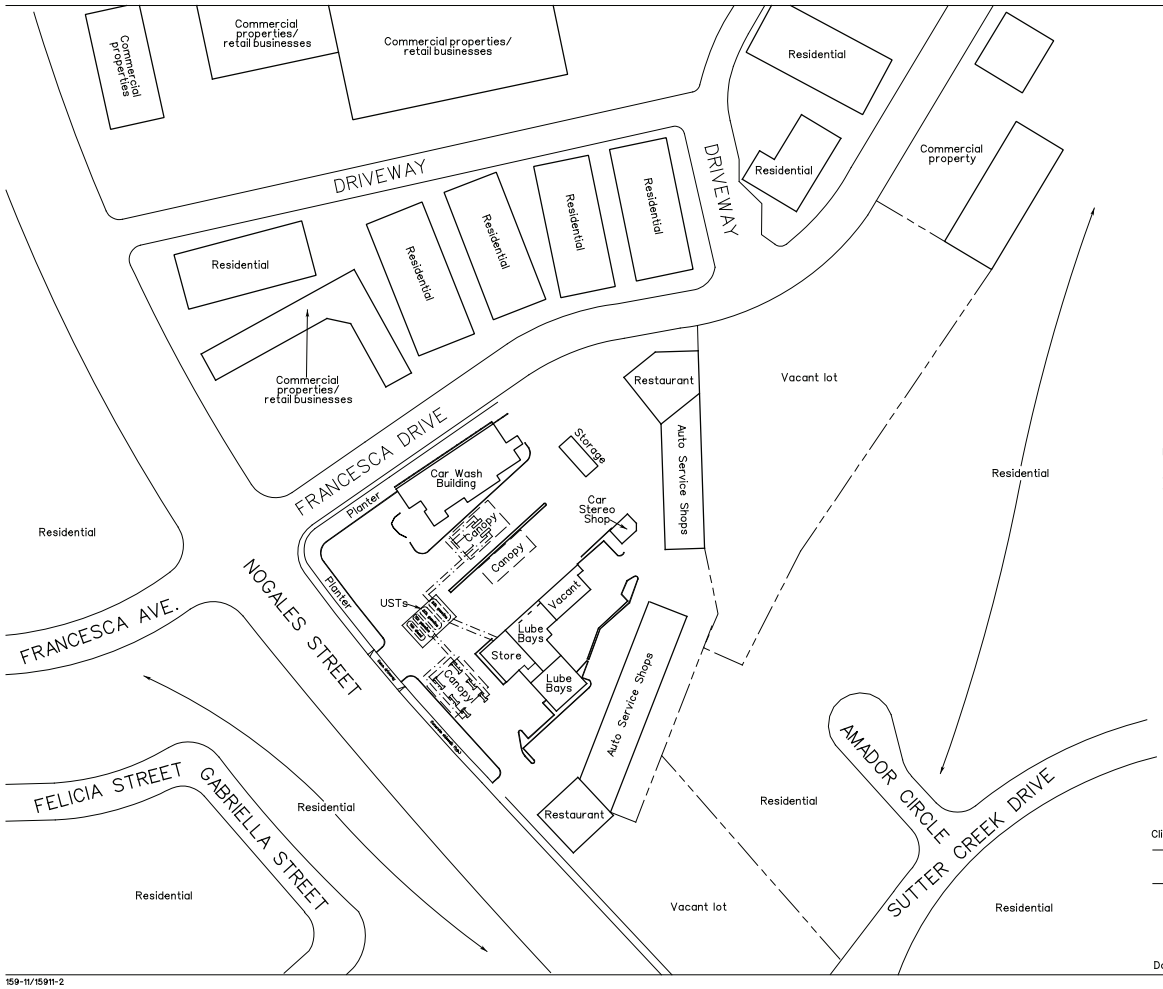
FREY ENVIRONMENTAL, INC.

NOTE:

1) All locations and dimensions are approximate.
2) Base map from USGS 7.5 minute Baldwin Park (1978, photorevised 1981), California topographic quadrangle.

SITE LOCATION MAP

Date: **JANUARY 2006** Figure: **1**



NOTES:

1) All locations and dimensions are approximate.
2) Base map from plan provided by Competrol, survey from RdM Surveying Inc. dated 11-04-05, and Assessor's Parcel Map County of Los Angeles (book 8735, sheet 26).

NORTH

0 100 200

SCALE IN FEET

ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

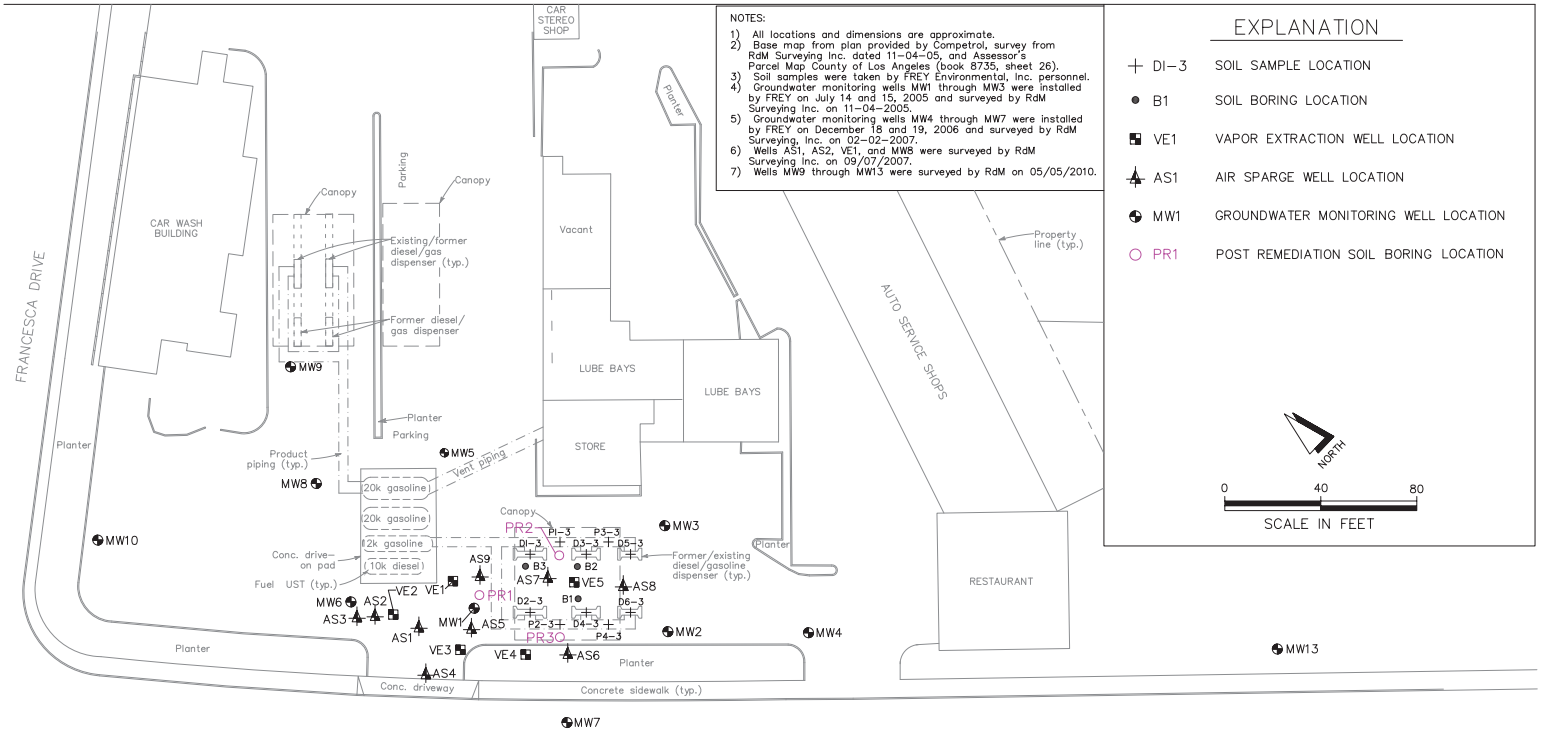
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE VICINITY SKETCH

Date: APRIL 2009 Figure 2

159-11/15911-2



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

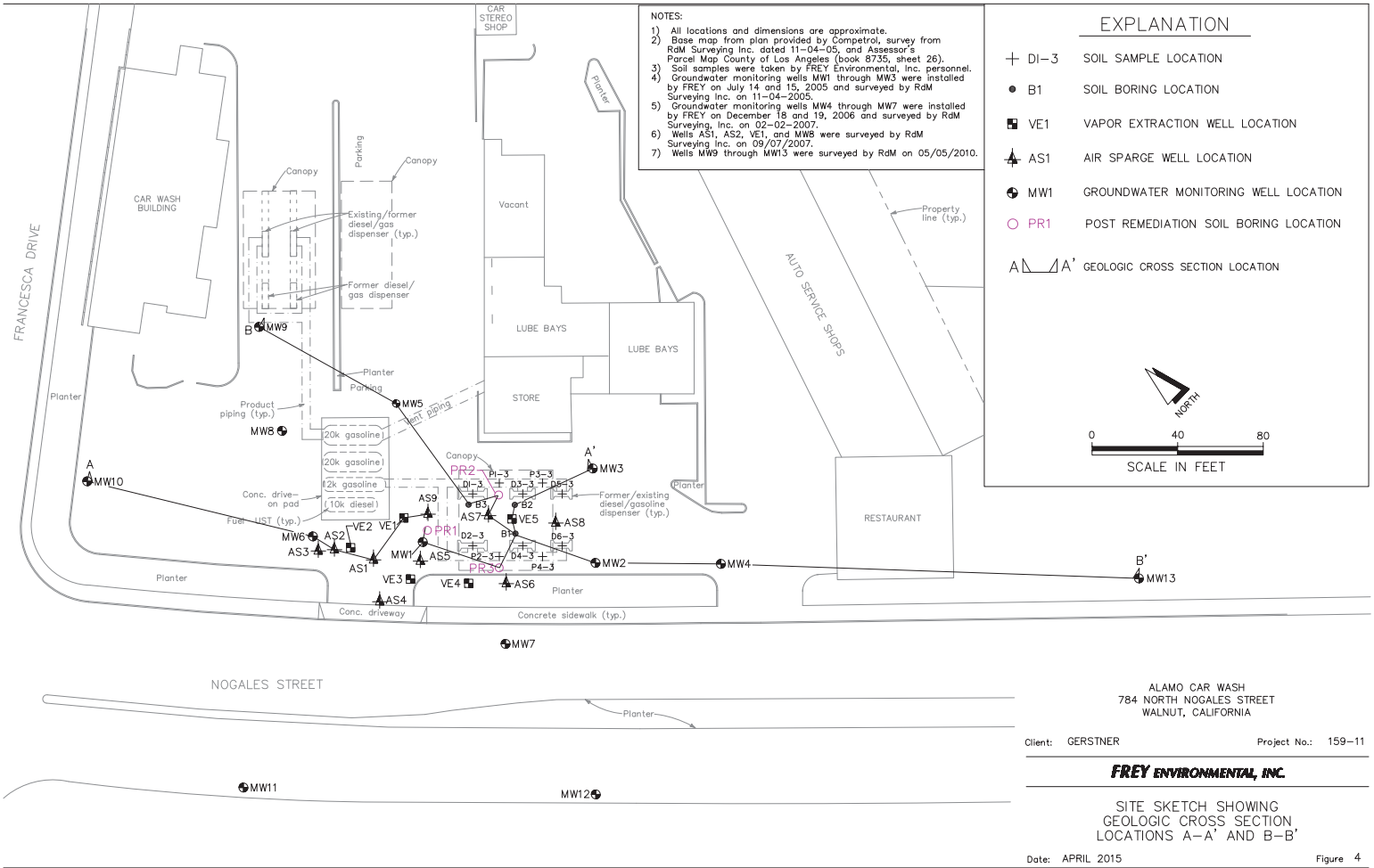
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING
SOIL SAMPLE, SOIL BORING, AIR SPARGE WELL,
VAPOR EXTRACTION WELL, AND GROUNDWATER
MONITORING WELL LOCATIONS

Date: APRIL 2015 Figure 3

159-11-ST2



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

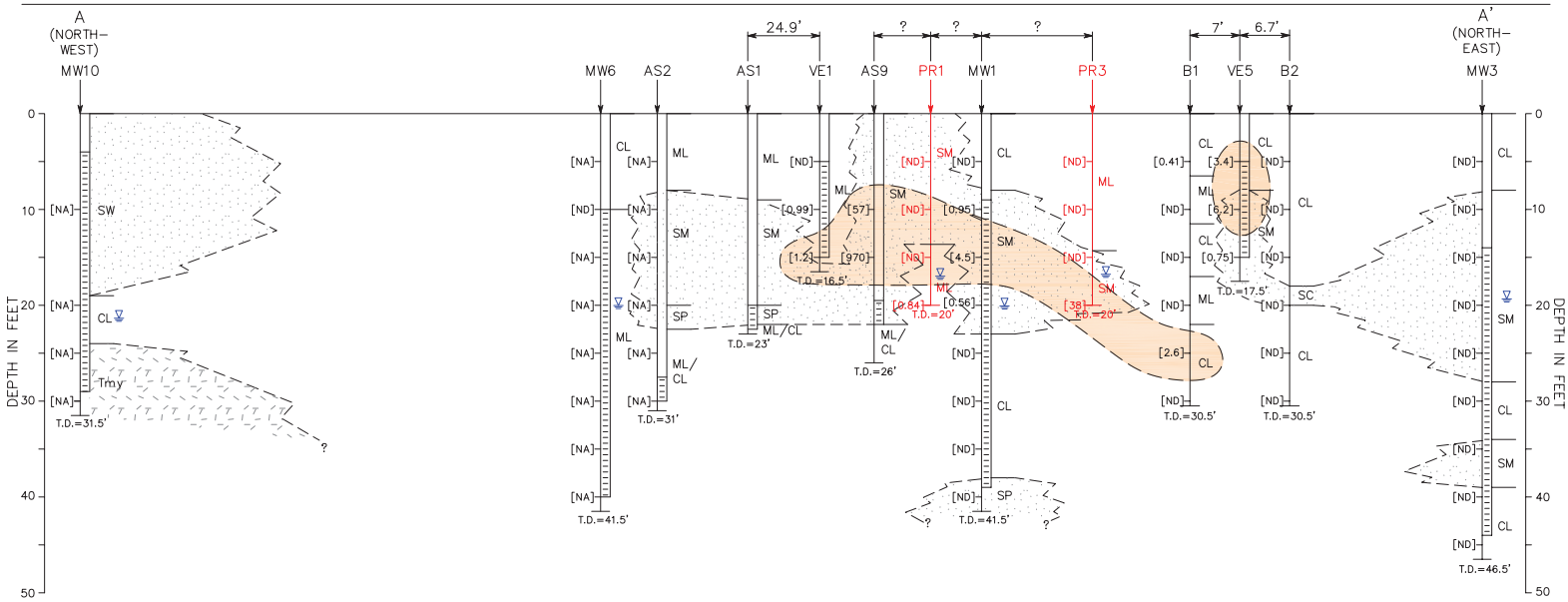
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING
GEOLOGIC CROSS SECTION
LOCATIONS A-A' AND B-B'

Date: APRIL 2015 Figure 4

159-11-ST2



EXPLANATION

- Tmy — YORBA SHALE MEMBER OF THE MONTEREY FORMATION
- Coarse-grained soils: SP — POORLY-GRADED SAND; SM — SILTY SAND; SC — CLAYEY SAND
- Fine-grained soils: CL — CLAY; ML — SILT
- STATIC GROUNDWATER DEPTH AS MEASURED ON 6/17/16 AND 8/29/16
- [4.5] CONCENTRATION OF TPH-G, EPA METHOD 8015 (in mg/kg, ND=not detected above laboratory detection limit; NA=not analyzed) Prior to Site Remediation
- [38] CONCENTRATION OF TPH-G AFTER COMPLETION OF VAPOR EXTRACTION AND HIGH VACUUM DUAL PHASE EXTRACTION REMEDIATION
- ESTIMATED LIMITS OF TPH-G CONCENTRATIONS IN SOIL >1 mg/kg PRIOR TO VAPOR EXTRACTION AND HIGH VACUUM DUAL PHASE EXTRACTION REMEDIATION
- WELL SCREEN LOCATION

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:
1) The subsurface conditions shown are for the boring locations only. Subsurface conditions between borings may be different than shown.
2) Vertical scale has been exaggerated for presentation purposes only.
3) USCS descriptions are based on field classification.
4) See boring logs for additional details.

ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

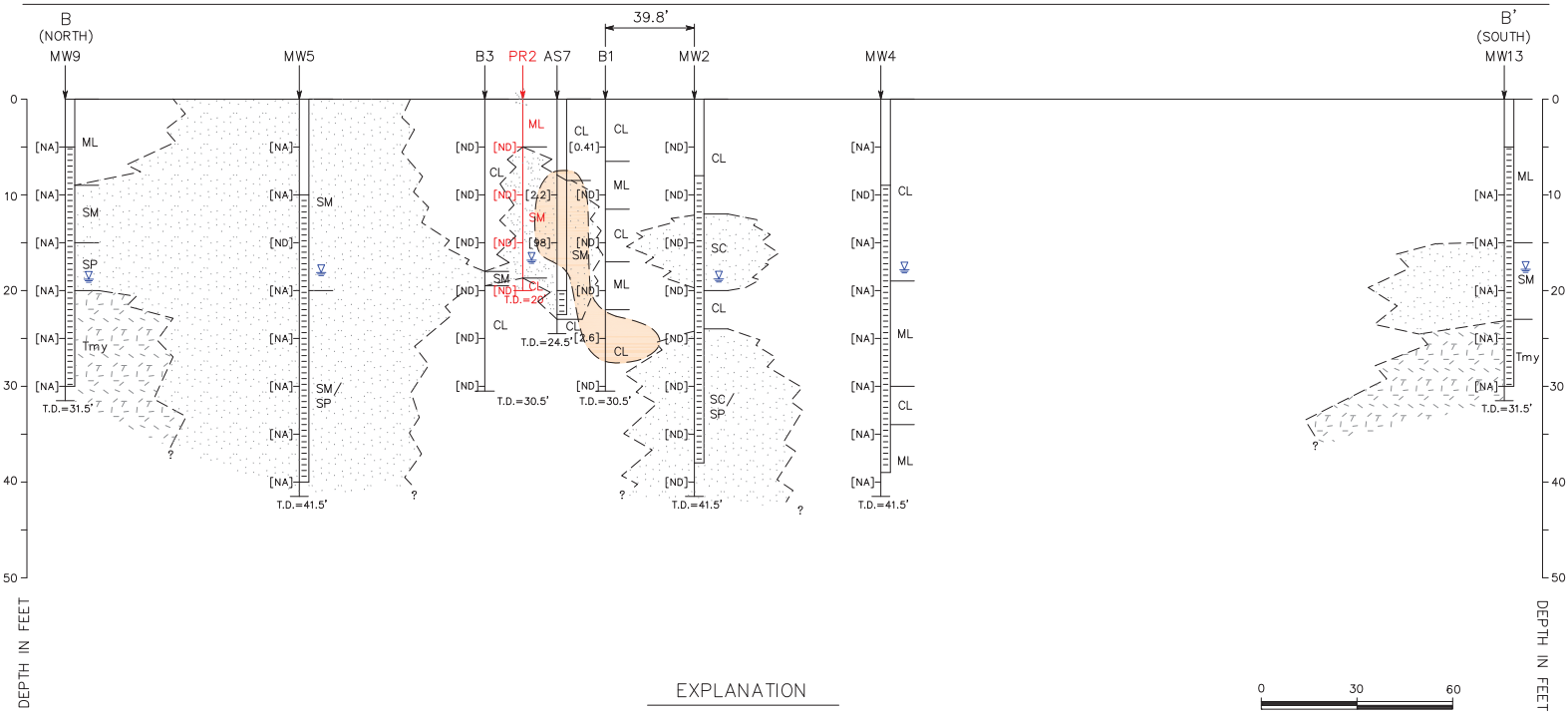
Client: GERSTNER
Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SUBSURFACE GEOLOGIC SECTION
A–A'

Date: OCTOBER 2016
Figure 5

159-11/15911-AA1



EXPLANATION

- Tmy — YORBA SHALE MEMBER OF THE MONTEREY FORMATION
- Coarse-grained soils: SP — POORLY-GRADED SAND; SM — SILTY SAND; SC — CLAYEY SAND
- Fine-grained soils: CL — CLAY; ML — SILT
- STATIC GROUNDWATER DEPTH AS MEASURED ON 6/17/16 AND 8/29/16
- [4.5] — CONCENTRATION OF TPH-G, EPA METHOD 8015 (in mg/kg, ND=not detected above laboratory detection limit; NA=not analyzed) Prior to Site Remediation
- [38] — CONCENTRATION OF TPH-G AFTER COMPLETION OF VAPOR EXTRACTION AND HIGH VACUUM DUAL PHASE EXTRACTION REMEDIATION
- ESTIMATED LIMITS OF TPH-G CONCENTRATIONS IN SOIL >1 mg/kg PRIOR TO VAPOR EXTRACTION AND HIGH VACUUM DUAL PHASE EXTRACTION REMEDIATION
- WELL SCREEN LOCATION

0 30 60
HORIZONTAL SCALE IN FEET

NOTES:
1) The subsurface conditions shown are for the boring locations only. Subsurface conditions between borings may be different than shown.
2) Vertical scale has been exaggerated for presentation purposes only.
3) USCS descriptions are based on field classification.
4) See boring logs for additional details.

ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

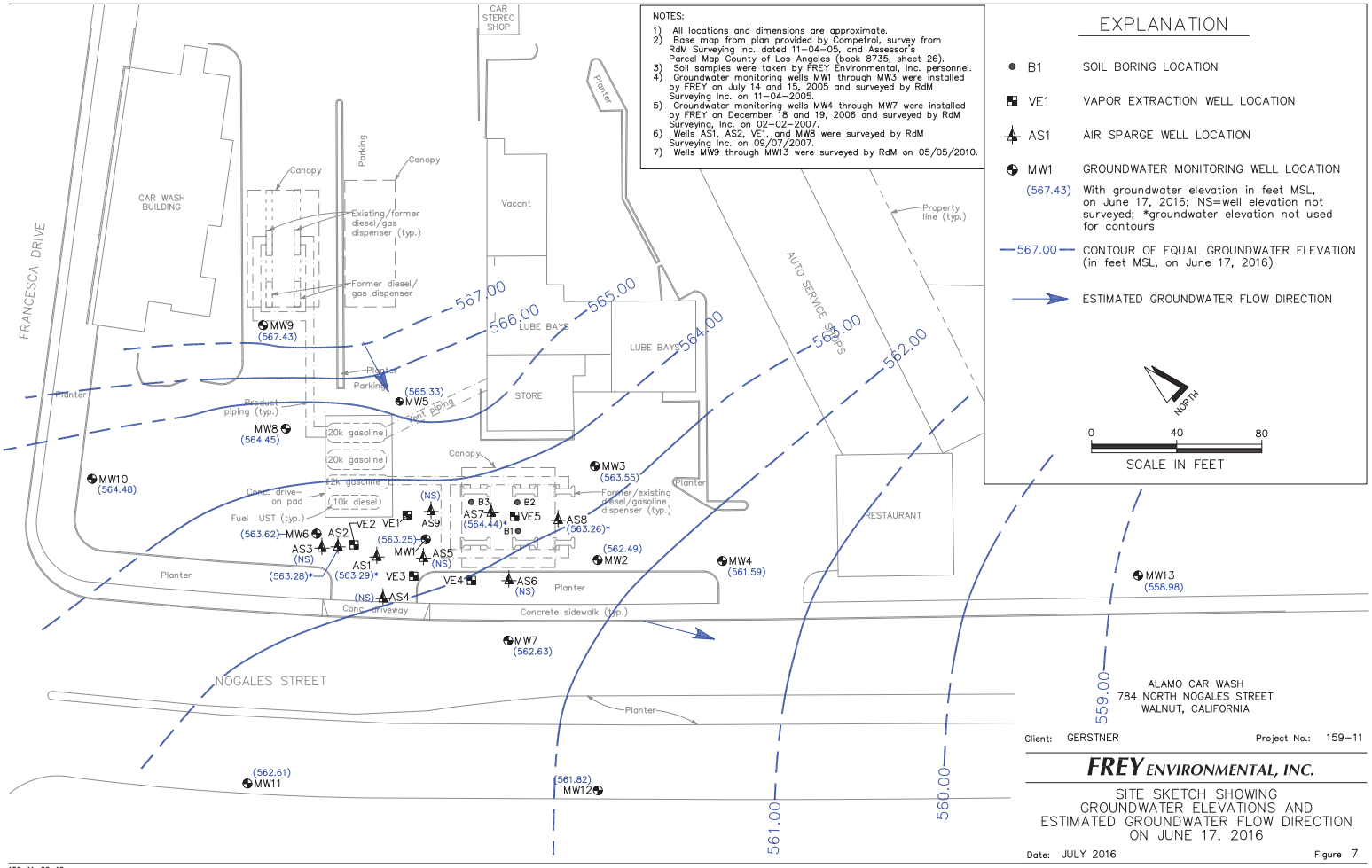
Client: GERSTNER
Project No.: 159-11

FREY ENVIRONMENTAL, INC.

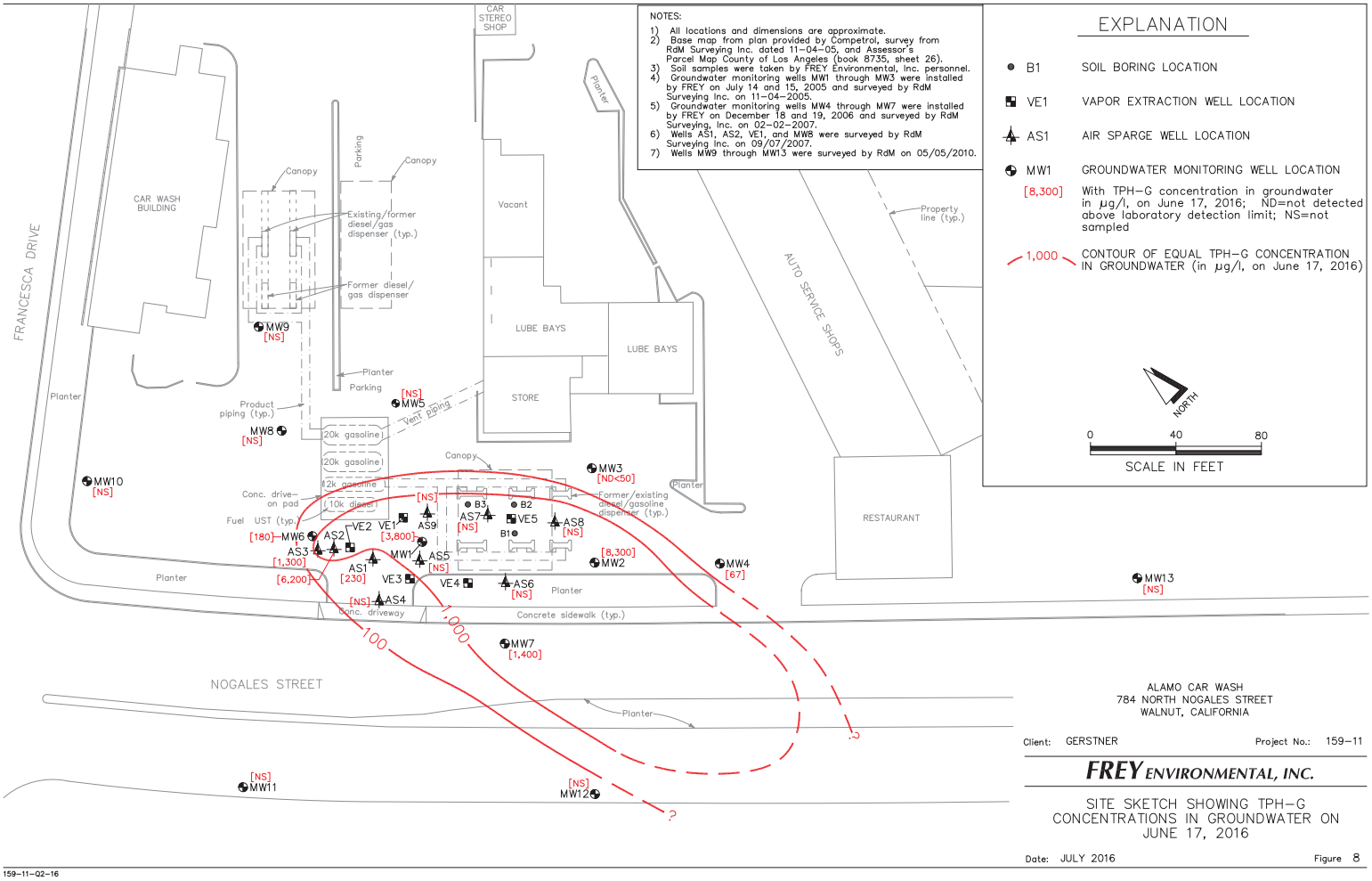
SUBSURFACE GEOLOGIC SECTION
B-B'

Date: OCTOBER 2016
Figure 6

159-11/15911-BB1


NOTES:
1) All locations and dimensions are approximate.
2) Base map from plan provided by Competrol, survey from RdM Surveying Inc. dated 11-04-05, and Assessor's Parcel Map County of Los Angeles (book 8735, sheet 26).
3) Soil samples were taken by FREY Environmental, Inc. personnel.
4) Groundwater monitoring wells MW1 through MW3 were installed by FREY on July 14 and 15, 2005 and surveyed by RdM Surveying Inc. on 11-04-2005.
5) Groundwater monitoring wells MW4 through MW7 were installed by FREY on December 18 and 19, 2006 and surveyed by RdM Surveying, Inc. on 02-02-2007.
6) Wells AS1, AS2, VE1, and MW8 were surveyed by RdM Surveying Inc. on 09/07/2007.
7) Wells MW9 through MW13 were surveyed by RdM on 05/05/2010.
EXPLANATION
B1 SOIL BORING LOCATION
VE1 VAPOR EXTRACTION WELL LOCATION
AS1 AIR SPARGE WELL LOCATION
MW1 GROUNDWATER MONITORING WELL LOCATION
(567.43) With groundwater elevation in feet MSL, on June 17, 2016; NS=well elevation not surveyed; *groundwater elevation not used for contours
567.00 CONTOUR OF EQUAL GROUNDWATER ELEVATION (in feet MSL, on June 17, 2016)
ESTIMATED GROUNDWATER FLOW DIRECTION
NORTH
0 40 80
SCALE IN FEET
FRANCESCA DRIVE
CAR WASH BUILDING
CAR STEREO SHOP
Vacant
LUBE BAYS
STORE
AUTO SERVICE SHOPS
RESTAURANT
Canopy
Parking
Existing/former diesel/gas dispenser (typ.)
Former diesel/ gas dispenser
Product piping (typ.)
Vent piping
20k gasoline
10k diesel
Conc. drive-on pad
Fuel UST (typ.)
Former/existing diesel/gasoline dispenser (typ.)
Property line (typ.)
Planter
Conc. driveway
Concrete sidewalk (typ.)
NOGALES STREET
MW1 (563.25)
MW2 (562.49)
MW3 (563.55)
MW4 (561.59)
MW5 (565.33)
MW6 (563.62)
MW7 (562.63)
MW8 (564.45)
MW9 (567.43)
MW10 (564.48)
MW11 (562.61)
MW12 (561.82)
MW13 (558.98)
AS1 (563.29)*
AS2
AS3 (NS)
AS4 (NS)
AS5 (NS)
AS6 (NS)
AS7 (564.44)*
AS8 (563.26)*
AS9 (NS)
VE1
VE2
VE3
VE4
VE5
B1
B2
B3
567.00
566.00
565.00
564.00
563.00
562.00
561.00
560.00
559.00
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA
Client: GERSTNER
Project No.: 159-11
FREY ENVIRONMENTAL, INC.
SITE SKETCH SHOWING
GROUNDWATER ELEVATIONS AND
ESTIMATED GROUNDWATER FLOW DIRECTION
ON JUNE 17, 2016
Date: JULY 2016
Figure 7

159-11-02-16



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

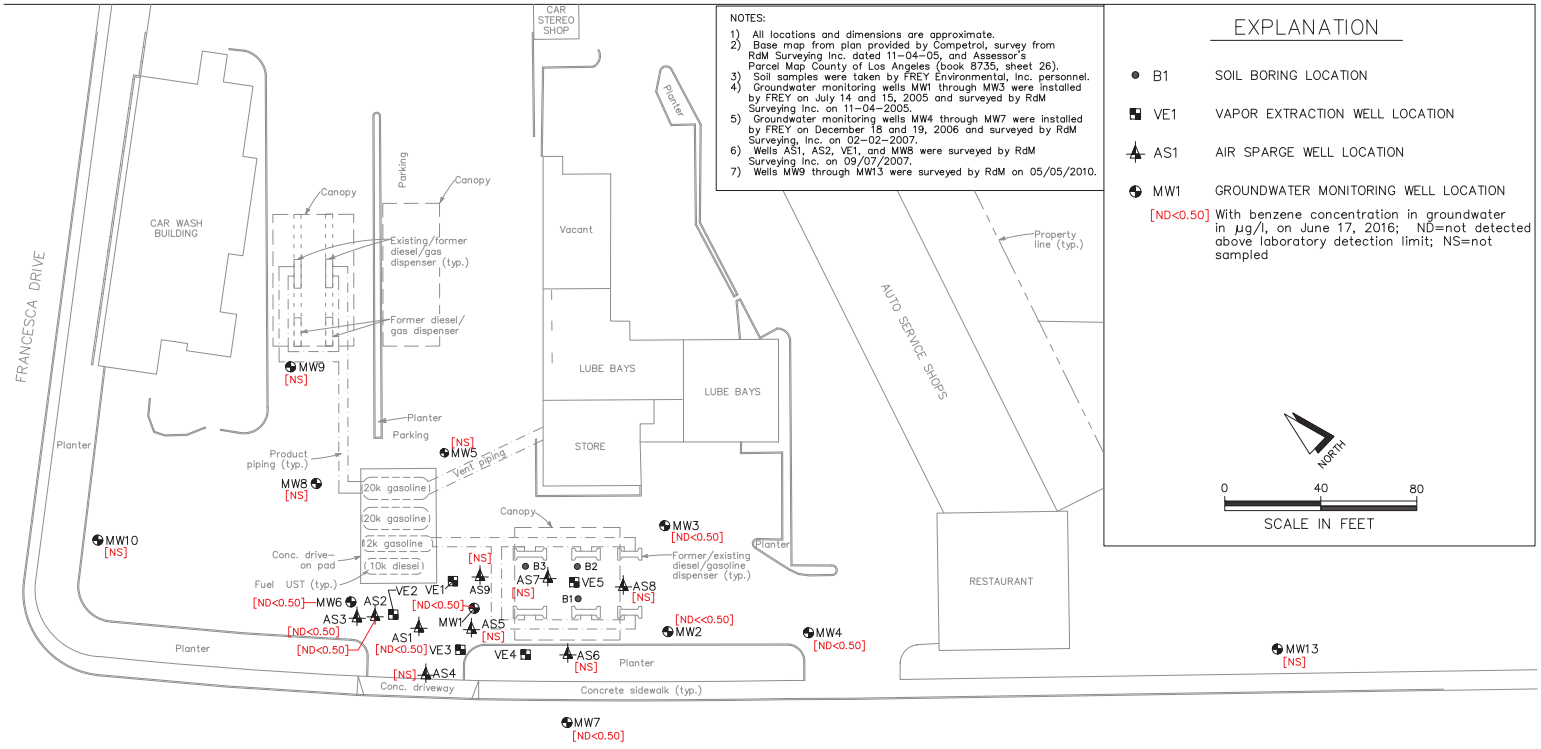
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING TPH-G CONCENTRATIONS IN GROUNDWATER ON JUNE 17, 2016

Date: JULY 2016 Figure 8

159-11-02-16



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

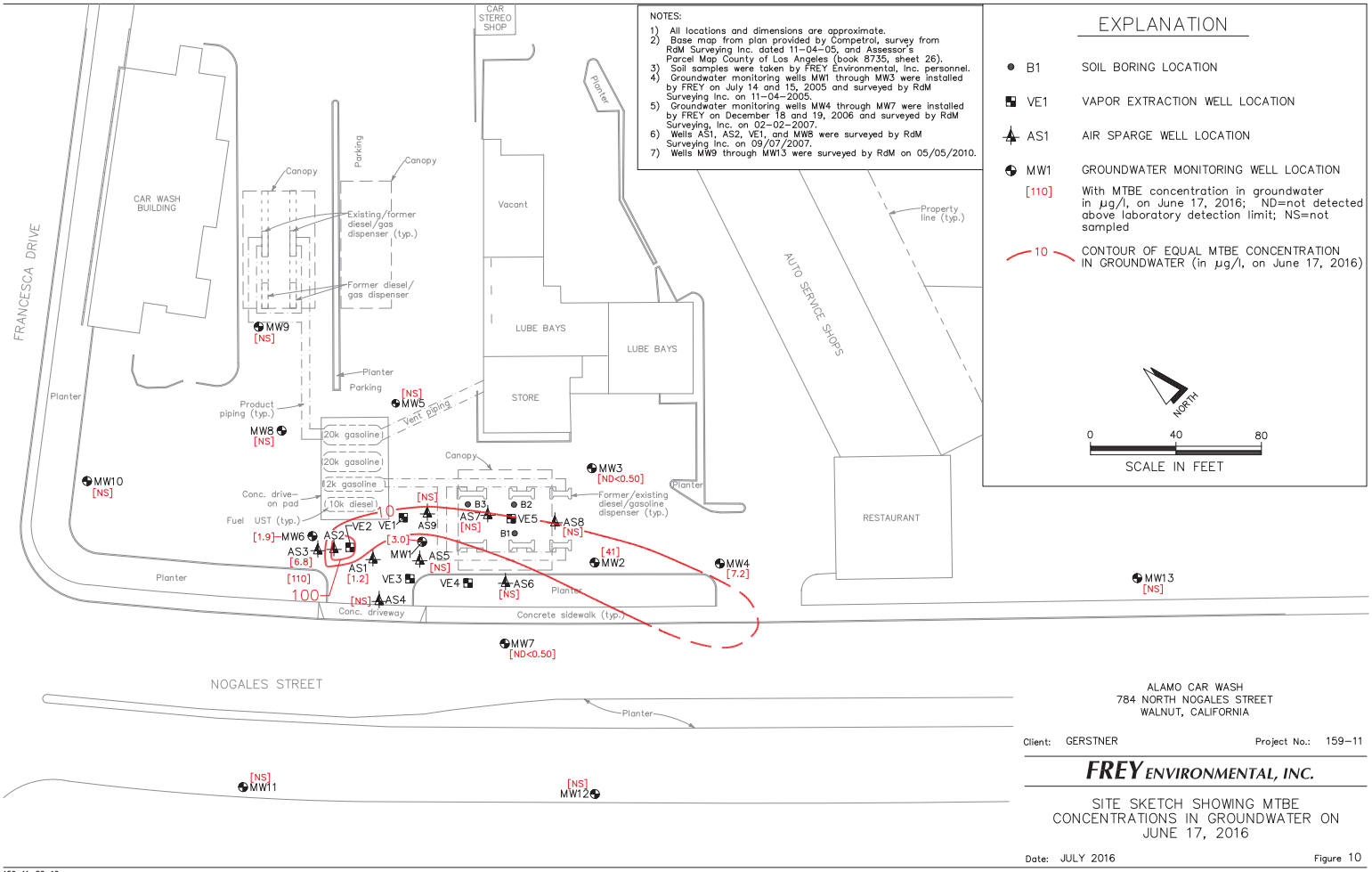
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING BENZENE CONCENTRATIONS IN GROUNDWATER ON JUNE 17, 2016

Date: JULY 2016 Figure 9

159-11-02-16



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

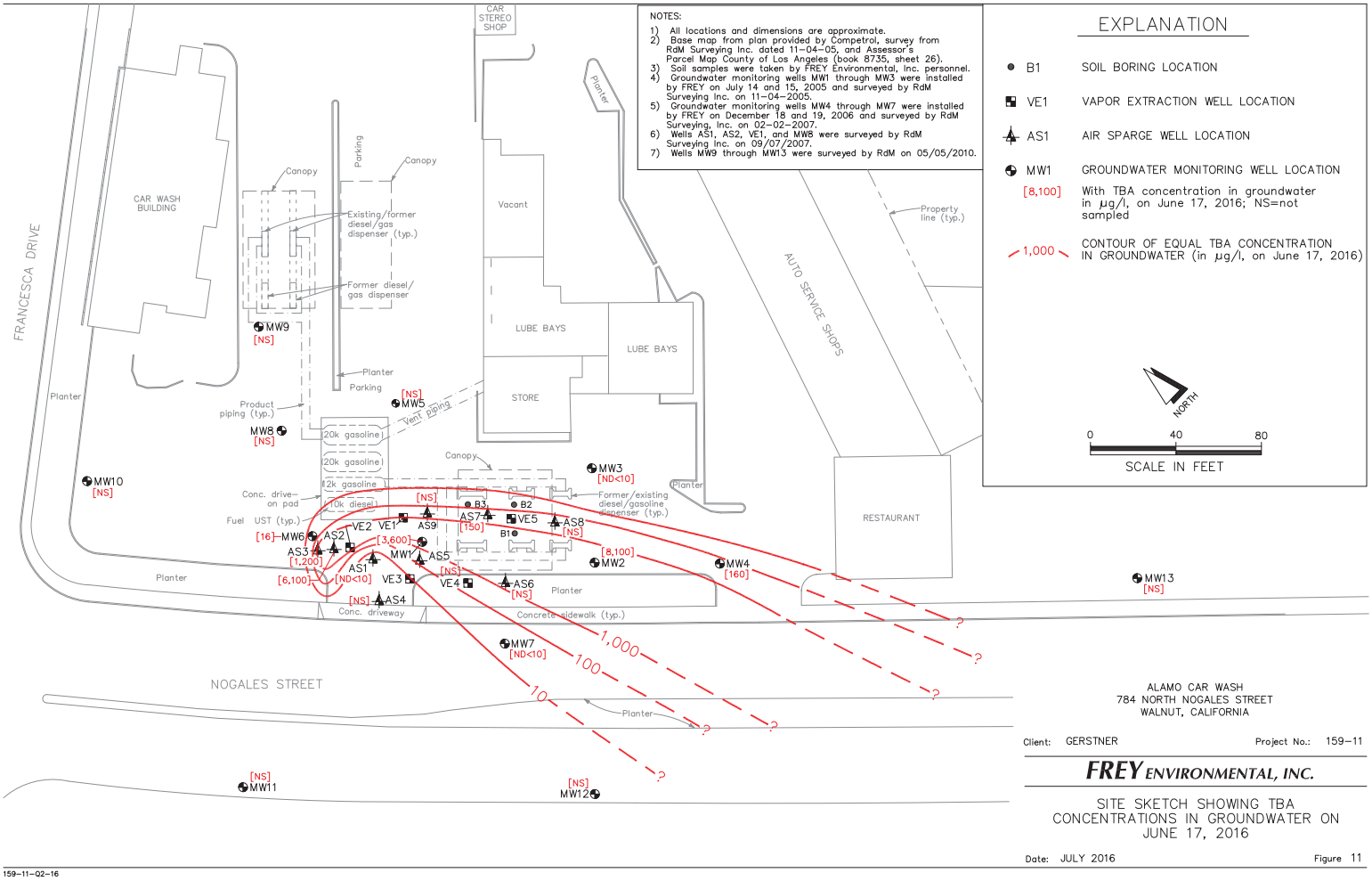
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING MTBE CONCENTRATIONS IN GROUNDWATER ON JUNE 17, 2016

Date: JULY 2016 Figure 10

159-11-02-16



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING TBA CONCENTRATIONS IN GROUNDWATER ON JUNE 17, 2016

Date: JULY 2016 Figure 11

159-11-02-16

APPENDIX A

RWQCB DIRECTIVE LETTER

California Water Boards

Edmund G. Brown Jr.
Governor

Matthew Rodriguez
Secretary for Environmental Protection

Los Angeles Regional Water Quality Control Board

July 1, 2015

Mr. Dan Gerstner
Alamo Car Wash
P.O. Box 545
San Gabriel, CA 91778

DIRECTIVE TO TAKE CORRECTIVE ACTION IN RESPONSE TO UNAUTHORIZED UNDERGROUND STORAGE TANK RELEASE PURSUANT TO HEALTH AND SAFETY CODE SECTION 25296.10 AND TITLE 23, CALIFORNIA CODE OF REGULATIONS, SECTIONS 2720-2727
ALAMO CAR WASH
784 NORTH NOGALES STREET, WALNUT (FILE NO. R-15014)

Dear Mr. Gerstner:

Pursuant to Health and Safety Code section 25296.10, you are required to take corrective action (i.e., Preliminary Site Assessment, Soil and Water Investigation, Corrective Action Plan Implementation, and Verification Monitoring) to ensure protection of human health, safety, and the environment. Corrective action requirements are set forth in California Code of Regulations (CCR), title 23, sections 2720 through 2727.

Thank you for your submission of the "Workplan Additional Subsurface Soil and Down Gradient Groundwater Assessment" dated May 13, 2015, and "Workplan Vapor Extraction Remediation Rebound Testing and Post Remediation Soil Borings" dated May 11, 2015, prepared by your consultant, the FREY Environmental, Inc. (FREY), for the above-referenced site (Site). We have reviewed the workplans and have the following comments.

Site Assessment Workplan (Per CCR, §2726)

Your consultant, Frey, proposes to install one down-gradient monitoring well (MW-14) to further investigate the extent of hydrocarbon-impacted groundwater beneath the site. Soil boring MW-14 will be advanced to a depth of approximately 31.5 feet below ground surface (bgs). The borings will be advanced using a truck-mounted drill rig equipped with 10.75-inch diameter hollow stem augers. Based on the information submitted, we concur with implementation of the workplan provided the following conditions are met:

1. Soil samples shall be collected at a minimum of five-foot intervals, at changes in soil lithology, and at areas of obvious contamination. Soil samples must be logged for geologic purposes and preserved per **EPA Method 5035**. All soil samples collected must be field screened for petroleum hydrocarbons using either a Photo Ionization Detector or a Flame Ionization Detector.

2. Soil and groundwater samples must be analyzed by Cal-LUFT GC/FID or Cal-LUFT GC/MS Method for total petroleum hydrocarbons as gasoline (TPH_G), total petroleum hydrocarbons as diesel (TPH_D) when diesel is identified at the site; and by EPA Method 8260B for benzene, toluene, ethylbenzene and xylenes (BTEX), naphthalene, and fuel oxygenate compounds including methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA). Ethanol is also required and shall be analyzed by either method above. The analytical detection limits must conform to the Regional Board General Laboratory Testing Requirements (9/06) (http://www.waterboards.ca.gov/losangeles/publications_forms/forms/ust/lab_forms/labreq 9-06.pdf). All respective analytical methods must be certified by the California Environmental Laboratory Accreditation Program (ELAP). All analytical data must be reported by a California-certified laboratory.

3. Prior to consideration of case closure, responsible party must analyze at least one round of groundwater samples including all common aromatic and chlorinated volatile organic compounds per EPA Method 8260B. If the site has a waste oil tank, the full suite of aromatic and chlorinated analytes must be tested and reported per EPA Method 8260B.

4. The construction, development, and abandonment of groundwater monitoring wells must comply with requirements prescribed in the California Well Standards (Bulletin 74-90), published by the California Department of Water Resources (http://www.dpla2.water.ca.gov/publications/groundwater/CA_Well_Standards_Bulletin7 4-90_1991.pdf).

5. The groundwater monitoring wells must be developed and surveyed to a benchmark of known elevation above mean sea level by a licensed land surveyor or registered civil engineer.

6. Upon the completion of this proposed assessment, you are required to submit the investigation report in the next semi-annual groundwater monitoring report.

Rebound Testing and Post Remediation Soil Borings Workplan (Per CCR, §2726)

Active remediations (vapor extraction and air sparge, high vacuum dual phase extraction) had been conducted at the Site from May 2010 to December 2014. Approximately 1,274 pounds of vapor-phase hydrocarbons and 173,814 gallons of groundwater have been removed from beneath the Site. Therefore, your consultant, FREY proposes to conduct a High Vacuum Dual Phase Extraction Rebound Test and Post Remediation Soil Assessment to assess the remaining petroleum hydrocarbon concentrations in soil vapor beneath the Site; evaluate post-remediation petroleum hydrocarbon concentrations in soil beneath the Site in the area of the former USTs and fuel dispenser islands, and demonstrate that cleanup objectives for concentrations of petroleum hydrocarbons in soil and soil vapor have been achieved. We concur with implementation of the workplan provided the following conditions are met:

1. Shutdown the system for a period of one month. Re-start the system and collect influent samples at the following frequencies: 1 day, 7 days, and every two weeks until two consecutive concentrations are at non-detect or asymptotic levels for all gasoline constituents.

2. If concentrations have not reached a non-detect or asymptotic levels, resume system operation for further cleanup.

3. Tedlar bags shall not be used as soil vapor sample containers during rebound testing.

4. Soil vapor samples are collected from the system for monitoring purpose, they must be analyzed by Cal-LUFT GC/FID or Cal-LUFT GC/MS Method for total petroleum hydrocarbons as gasoline (TPH_G), and by EPA Method 8260B for BTEX, and fuel oxygenate compounds including methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and for oxygen and carbon dioxide content. The soil sampling and analysis protocol shall comply with the Regional Board's Advisory for Active Soil Gas Investigations (April 2012, available at http://www.waterboards.ca.gov/rwqcb4/water_issues/programs/ust/guidelines/VI_ActiveSoilGasAdvisory_FINAL_043012.pdf.

5. If results of the soil vapor rebound test show consistently low concentrations, confirmation soil borings shall be advanced in the proposed locations (PR1 through PR3) to confirm cleanup of soils beneath the Site.

6. Soil samples shall be collected at a minimum of five-foot intervals, at changes in soil lithology, and at areas of obvious contamination for geologic logging and preserved per EPA Method 5035 for chemical analysis. All soil samples collected must be field screened for petroleum hydrocarbons using either a Photo Ionization Detector or a Flame Ionization Detector.

7. Soil samples must be analyzed by Cal-LUFT GC/FID or Cal-LUFT GC/MS Method for total petroleum hydrocarbons as gasoline (TPH_G), total petroleum hydrocarbons as diesel (TPH_D) when diesel is identified at the site; and by EPA Method 8260B for benzene, toluene, ethylbenzene and xylenes (BTEX), naphthalene, and fuel oxygenate compounds including methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA). Ethanol is also required and shall be analyzed by either method above. The analytical detection limits must conform to the Regional Board General Laboratory Testing Requirements (9/06) (http://www.waterboards.ca.gov/losangeles/publications_forms/forms/ust/lab_forms/labreq9-06.pdf). All respective analytical methods must be certified by the California Environmental Laboratory Accreditation Program (ELAP). All analytical data must be reported by a California-certified laboratory.

8. A technical report detailing the results of rebound testing and confirmations soil sampling must be submitted to this Regional Board due by **January 15, 2016**.

Standard Requirements

1. You are required to obtain all necessary permits prior to the start of work.

2. The contractor who conducts the environmental work as required in this order shall, at all times, comply with all applicable State laws, rules, regulations, and local ordinances specifically, including but not limited to, environmental, procurement and safety laws, rules, regulations, and ordinances. The contractor shall obtain the services of a

Professional Geologist or Engineer, Civil (PG/PE-Civil) to comply with the applicable requirements of the Business and Professions Code, sections 7800 et seq. implementing regulations for geological or engineering analysis and interpretation for this case. All documents prepared for others by the contractor that reflect or rely upon geological or engineering interpretations by the contractor shall be signed or stamped by the PG/PE-Civil indicating her/his responsibility for them as required by the Business and Professions Code.

3. Effective November 1, 2011, the Los Angeles Regional Water Quality Control Board (Regional Board) implemented a Paperless Office system. For all parties who upload electronic documents to the GeoTracker database, it is no longer necessary to email a copy of these documents to losangeles@waterboards.ca.gov or submit hard copies to our office. The Regional Board will no longer accept documents (submitted by either hard copy or email) already uploaded to GeoTracker.

4. Submit a site-specific Health and Safety Plan for the Regional Board's review prior to commencing any field work.

5. Notify the Regional Board at least seven days prior to commencing the field work so that our staff may be present.

6. It is your responsibility to notify Regional Board staff about updates to your contact information. Notify the Regional Board with all updates to the name, contact person, address, telephone number, and e-mail address of the landowner(s), responsible party, and their consultants for the Site.

Please contact Mr. Noman Chowdhury at (213) 576-6704 or nchowdhury@waterboards.ca.gov if you have any questions regarding this matter.

Sincerely,

Gregg Kwey, P.E.
Senior Water Resource Control Engineer

cc: Ms. Kathy Jundt, State Water Resources Control Board, UST Cleanup Fund
Ms. Phuong Ly, Water Replenishment District of Southern California
Ms. Lusi Mkhitaryan, Los Angeles County, Department of Public Health, Environmental Health Division-Water and Sewage
Mr. Sawyer Jones, FREY Environmental, Inc.

APPENDIX B

FIELD PROCEDURES

FIELD PROCEDURES

B.1 PROCEDURES FOR DRILLING AND SOIL SAMPLE COLLECTION

1. Borings PR1 through PR3 were drilled with a truck-mounted direct push rig.

2. The geoprobe was be cleaned prior to the beginning of each boring at the Site.

3. Soil descriptions, sample type and depth, and related drilling information was recorded on a boring log by a geologist working under the supervision of a State of California Registered Geologist from FREY.

4. Soil samples were collected using the geoprobe sample rod.

5. The sampler was cleaned between sample intervals using a brush and tap water followed by a brush and TSP solution, a tap water rinse, and deionized water rinse. The sampler was dried by air or with a towel prior to sampling.

6. The sampler was driven into the soil using the geoprobe rig at each sample depth location.

7. Following retrieval of the sampler, the Teflon sample sleeve was removed from the sampler, and samples were collected using disposable "En Core" samplers. The disposable "En core" samplers were placed into a stainless steel "En Core" T-handle sampling tool; using the T-handle sampling tool, the disposable "En Core" sampler was pushed into the sample core and a soil sample was collected. Following sample collection, the disposable "En Core" sampler was capped with an "En Core" push end cap. Each sample was labeled with the sample number and project number.

8. The soil in the remaining sample tube was used to describe the soil and used for field head space analysis.

9. The samples were labeled and stored in an ice chest with ice and delivered to a laboratory for analysis following the completion of field activities.

10. Sample handling was documented using Chain- of-Custody procedures, including the use of Chain-of-Custody forms.

B.2 HEAD SPACE ANALYSIS

1. Soils were extruded directly into a mason jar which was then immediately sealed.

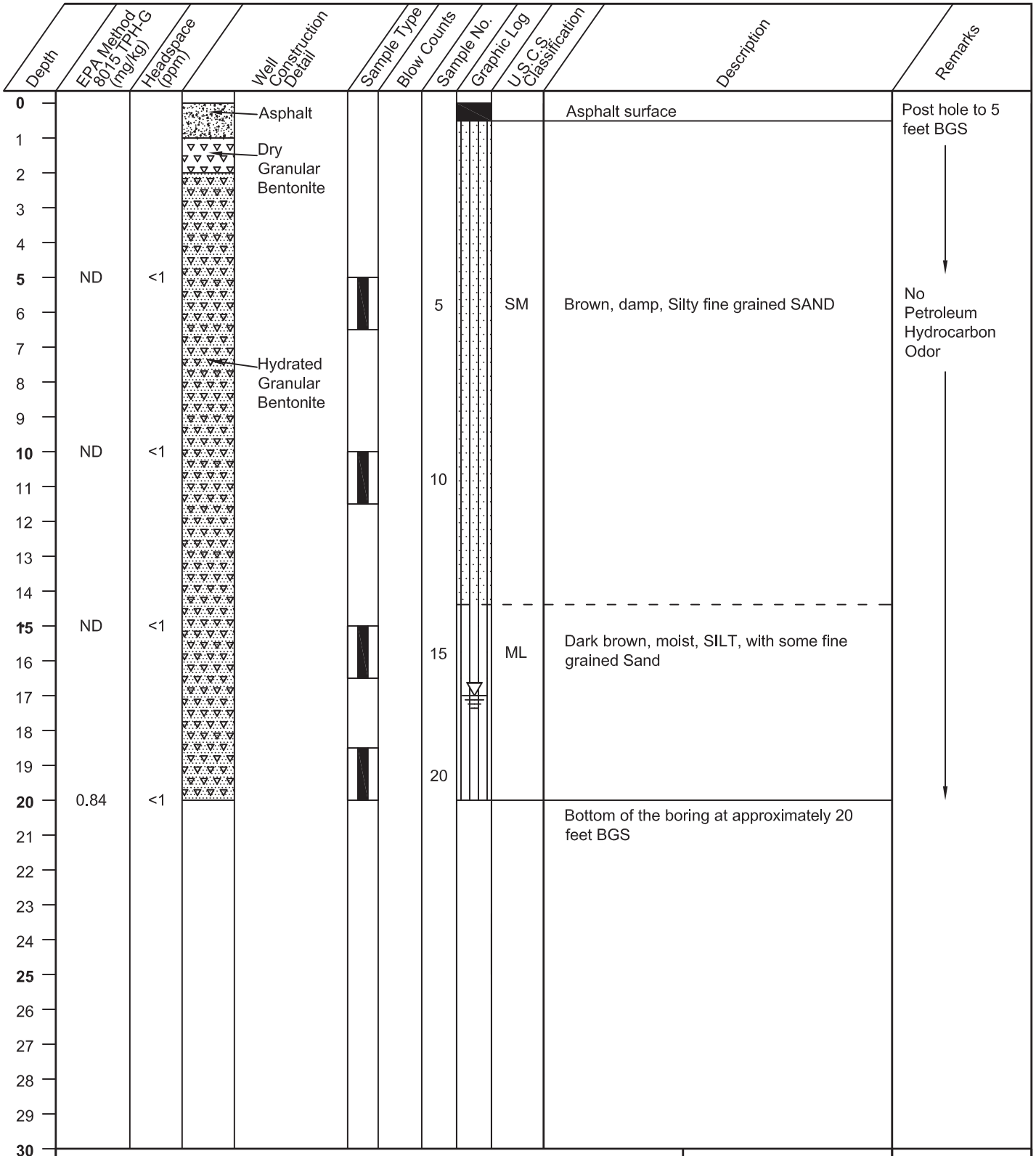
2. The sample was allowed to equilibrate then was connected to a Rae Systems photo ionization detector / organic vapor analyzer (PID/OVA), and the concentration was read as parts per million by volume (ppmv).

APPENDIX C

BORING LOGS

Date drilled/completed: August 29, 2016
Geologist: J. Song
Drilling equipment: Geoprobe 6600
Surface elevation: Approx. 590 feet amsl
Top of casing elevation: N/A

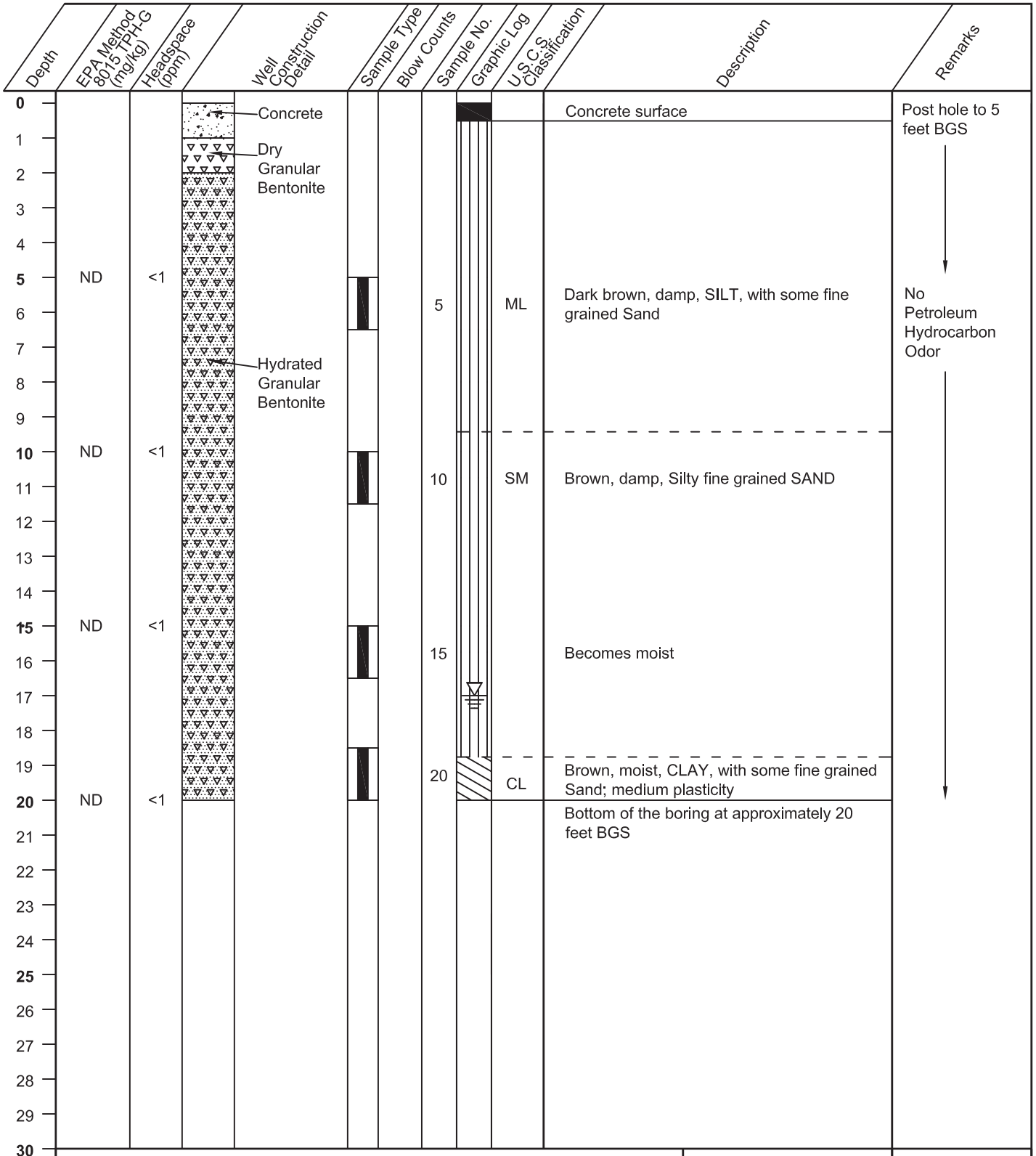
Boring depth: Approx. 20 feet BGS
Initial depth to water: Approx. 17 feet BGS
Static depth to water: N/A
Well screen depth: N/A
Borehole diameter: 2-inches



Project Name	ALAMO CARWASH	Log of Boring	Figure No.
Project Number	159-11	PR1	1

FREY ENVIRONMENTAL, INC.

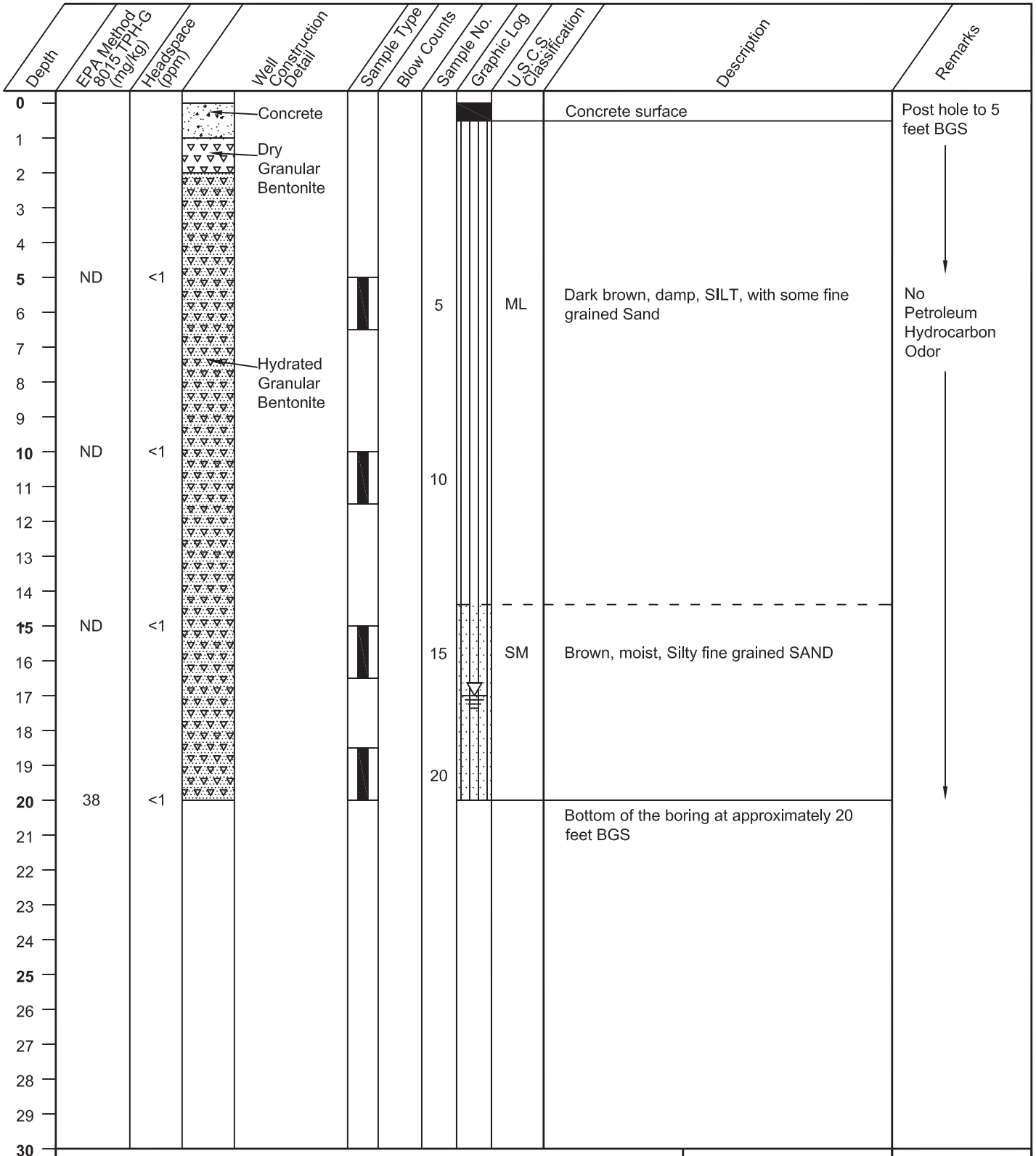
Date drilled/completed	August 29, 2016	Boring depth	Approx. 20 feet BGS
Geologist	J. Song	Initial depth to water	Approx. 17 feet BGS
Drilling equipment	Geoprobe 6600	Static depth to water	N/A
Surface elevation	Approx. 590 feet amsl	Well screen depth	N/A
Top of casing elevation	N/A	Borehole diameter	2-inches



Project Name	**ALAMO CARWASH**	Log of Boring	Figure No.
Project Number	**159-11**	**PR2**	1

FREY ENVIRONMENTAL, INC.

Date drilled/completed	August 29, 2016	Boring depth	Approx. 20 feet BGS
Geologist	J. Song	Initial depth to water	Approx. 17 feet BGS
Drilling equipment	Geoprobe 6600	Static depth to water	N/A
Surface elevation	Approx. 590 feet amsl	Well screen depth	N/A
Top of casing elevation	N/A	Borehole diameter	2-inches



Project Name	**ALAMO CARWASH**	Log of Boring	Figure No.
Project Number	**159-11**	**PR3**	1

FREY ENVIRONMENTAL, INC.

APPENDIX D

LABORATORY REPORT

eurofins | Calscience

WORK ORDER NUMBER: 16-08-2083

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Frey Environmental, Inc.

Client Project Name: Alamo Car Wash

Attention: Sawyer Jones
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Approved for release on 09/09/2016 by:
Stephen Nowak
Project Manager

ResultLink ▸

Email your PM ▸

eurofins | Calscience

Contents

Client Project Name: Alamo Car Wash
Work Order Number: 16-08-2083

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Work Order Narrative

Work Order: 16-08-2083 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/29/16. They were assigned to Work Order 16-08-2083.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Sample Summary

Client:	Frey Environmental, Inc. 2817-A Lafayette Avenue Newport Beach, CA 92663-3715	Work Order:	16-08-2083
		Project Name:	Alamo Car Wash
		PO Number:	
		Date/Time Received:	08/29/16 14:10
		Number of Containers:	69
Attn:	Sawyer Jones		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
PR2-5	16-08-2083-1	08/29/16 08:45	5	Solid
PR2-10	16-08-2083-2	08/29/16 08:50	5	Solid
PR2-15	16-08-2083-3	08/29/16 08:56	6	Solid
PR2-20	16-08-2083-4	08/29/16 09:05	5	Solid
PR3-5	16-08-2083-5	08/29/16 09:27	6	Solid
PR3-10	16-08-2083-6	08/29/16 09:35	6	Solid
PR3-15	16-08-2083-7	08/29/16 09:41	6	Solid
PR3-20	16-08-2083-8	08/29/16 09:48	6	Solid
PR1-5	16-08-2083-9	08/29/16 10:11	6	Solid
PR1-10	16-08-2083-10	08/29/16 10:17	6	Solid
PR1-15	16-08-2083-11	08/29/16 10:27	6	Solid
PR1-20	16-08-2083-12	08/29/16 10:35	6	Solid

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Detections Summary

Client:	Frey Environmental, Inc.	Work Order:	16-08-2083
	2817-A Lafayette Avenue	Project Name:	Alamo Car Wash
	Newport Beach, CA 92663-3715	Received:	08/29/16
Attn:	Sawyer Jones		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
PR2-20 (16-08-2083-4)						
Tert-Butyl Alcohol (TBA)	140		19	ug/kg	EPA 8260B	EPA 5035
PR3-5 (16-08-2083-5)						
n-Butylbenzene	1.3		0.86	ug/kg	EPA 8260B	EPA 5035
Tert-Butyl Alcohol (TBA)	18		17	ug/kg	EPA 8260B	EPA 5035
PR3-10 (16-08-2083-6)						
Methyl-t-Butyl Ether (MTBE)	4.0		1.7	ug/kg	EPA 8260B	EPA 5035
Tert-Butyl Alcohol (TBA)	7100		1800	ug/kg	EPA 8260B	EPA 5035
PR3-20 (16-08-2083-8)						
TPH as Gasoline	38	HD	9.9	mg/kg	EPA 8015B (M)	EPA 5035
Acetone	160		44	ug/kg	EPA 8260B	EPA 5035
n-Butylbenzene	62		0.87	ug/kg	EPA 8260B	EPA 5035
sec-Butylbenzene	41		0.87	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	67		0.87	ug/kg	EPA 8260B	EPA 5035
Isopropylbenzene	46		0.87	ug/kg	EPA 8260B	EPA 5035
p-Isopropyltoluene	8.8		0.87	ug/kg	EPA 8260B	EPA 5035
n-Propylbenzene	150		1.7	ug/kg	EPA 8260B	EPA 5035
1,2,4-Trimethylbenzene	43		1.7	ug/kg	EPA 8260B	EPA 5035
1,3,5-Trimethylbenzene	29		1.7	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	2.8		1.7	ug/kg	EPA 8260B	EPA 5035
Tert-Butyl Alcohol (TBA)	760		17	ug/kg	EPA 8260B	EPA 5035
PR1-20 (16-08-2083-12)						
TPH as Gasoline	0.84	HD	0.25	mg/kg	EPA 8015B (M)	EPA 5035
sec-Butylbenzene	1.0		0.86	ug/kg	EPA 8260B	EPA 5035
Tert-Butyl Alcohol (TBA)	18		17	ug/kg	EPA 8260B	EPA 5035

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: Alamo Car Wash			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR2-5	**16-08-2083-1-E**	**08/29/16 08:45**	**Solid**	**GC 22**	**08/29/16**	**08/31/16 17:34**	**160831L024**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.28	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR2-10	**16-08-2083-2-E**	**08/29/16 08:50**	**Solid**	**GC 22**	**08/29/16**	**08/31/16 18:07**	**160831L024**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR2-15	**16-08-2083-3-G**	**08/29/16 08:56**	**Solid**	**GC 22**	**08/29/16**	**09/01/16 16:57**	**160901L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.27	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	80	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR2-20	**16-08-2083-4-E**	**08/29/16 09:05**	**Solid**	**GC 22**	**08/29/16**	**08/31/16 19:14**	**160831L024**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.21	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	70	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR3-5	**16-08-2083-5-E**	**08/29/16 09:27**	**Solid**	**GC 22**	**08/29/16**	**08/31/16 19:47**	**160831L024**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.23	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	78	60-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: Alamo Car Wash			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR3-10	**16-08-2083-6-E**	**08/29/16 09:35**	**Solid**	**GC 22**	**08/29/16**	**08/31/16 20:19**	**160831L024**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.22	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR3-15	**16-08-2083-7-F**	**08/29/16 09:41**	**Solid**	**GC 22**	**08/29/16**	**09/01/16 18:56**	**160901L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.26	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	66	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR3-20	**16-08-2083-8-E**	**08/29/16 09:48**	**Solid**	**GC 22**	**08/29/16**	**09/01/16 21:41**	**160901L056**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	38	9.9	20.0	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	109	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR1-5	**16-08-2083-9-F**	**08/29/16 10:11**	**Solid**	**GC 22**	**08/29/16**	**09/01/16 19:29**	**160901L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR1-10	**16-08-2083-10-F**	**08/29/16 10:17**	**Solid**	**GC 22**	**08/29/16**	**09/01/16 20:02**	**160901L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.23	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	60-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: Alamo Car Wash			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR1-15	**16-08-2083-11-F**	**08/29/16 10:27**	**Solid**	**GC 22**	**08/29/16**	**09/01/16 20:35**	**160901L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.23	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR1-20	**16-08-2083-12-F**	**08/29/16 10:35**	**Solid**	**GC 22**	**08/29/16**	**09/01/16 21:08**	**160901L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	0.84	0.25	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	117	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-285-6028**	**N/A**	**Solid**	**GC 22**	**08/31/16**	**08/31/16 15:31**	**160831L024**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-285-6030**	**N/A**	**Solid**	**GC 22**	**09/01/16**	**09/01/16 15:00**	**160901L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-285-6031**	**N/A**	**Solid**	**GC 22**	**09/01/16**	**09/01/16 15:33**	**160901L056**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	10	20.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	60-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Alamo Car Wash			Page 1 of 42

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR2-5	**16-08-2083-1-B**	**08/29/16 08:45**	**Solid**	**GC/MS QQ**	**08/29/16**	**08/30/16 15:02**	**160830L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	47	1.00	
Benzene	ND	0.95	1.00	
Bromobenzene	ND	0.95	1.00	
Bromochloromethane	ND	1.9	1.00	
Bromodichloromethane	ND	0.95	1.00	
Bromoform	ND	4.7	1.00	
Bromomethane	ND	19	1.00	
2-Butanone	ND	19	1.00	
n-Butylbenzene	ND	0.95	1.00	
sec-Butylbenzene	ND	0.95	1.00	
tert-Butylbenzene	ND	0.95	1.00	
Carbon Disulfide	ND	9.5	1.00	
Carbon Tetrachloride	ND	0.95	1.00	
Chlorobenzene	ND	0.95	1.00	
Chloroethane	ND	1.9	1.00	
Chloroform	ND	0.95	1.00	
Chloromethane	ND	19	1.00	
2-Chlorotoluene	ND	0.95	1.00	
4-Chlorotoluene	ND	0.95	1.00	
Dibromochloromethane	ND	1.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.00	
1,2-Dibromoethane	ND	0.95	1.00	
Dibromomethane	ND	0.95	1.00	
1,2-Dichlorobenzene	ND	0.95	1.00	
1,3-Dichlorobenzene	ND	0.95	1.00	
1,4-Dichlorobenzene	ND	0.95	1.00	
Dichlorodifluoromethane	ND	1.9	1.00	
1,1-Dichloroethane	ND	0.95	1.00	
1,2-Dichloroethane	ND	0.95	1.00	
1,1-Dichloroethene	ND	0.95	1.00	
c-1,2-Dichloroethene	ND	0.95	1.00	
t-1,2-Dichloroethene	ND	0.95	1.00	
1,2-Dichloropropane	ND	0.95	1.00	
1,3-Dichloropropane	ND	0.95	1.00	
2,2-Dichloropropane	ND	4.7	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 2 of 42

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.9	1.00	
c-1,3-Dichloropropene	ND	0.95	1.00	
t-1,3-Dichloropropene	ND	1.9	1.00	
Ethylbenzene	ND	0.95	1.00	
2-Hexanone	ND	19	1.00	
Isopropylbenzene	ND	0.95	1.00	
p-Isopropyltoluene	ND	0.95	1.00	
Methylene Chloride	ND	9.5	1.00	
4-Methyl-2-Pentanone	ND	19	1.00	
Naphthalene	ND	9.5	1.00	
n-Propylbenzene	ND	1.9	1.00	
Styrene	ND	0.95	1.00	
1,1,1,2-Tetrachloroethane	ND	0.95	1.00	
1,1,2,2-Tetrachloroethane	ND	1.9	1.00	
Tetrachloroethene	ND	0.95	1.00	
Toluene	ND	0.95	1.00	
1,2,3-Trichlorobenzene	ND	1.9	1.00	
1,2,4-Trichlorobenzene	ND	1.9	1.00	
1,1,1-Trichloroethane	ND	0.95	1.00	
1,1,2-Trichloroethane	ND	0.95	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.5	1.00	
Trichloroethene	ND	1.9	1.00	
Trichlorofluoromethane	ND	9.5	1.00	
1,2,3-Trichloropropane	ND	1.9	1.00	
1,2,4-Trimethylbenzene	ND	1.9	1.00	
1,3,5-Trimethylbenzene	ND	1.9	1.00	
Vinyl Acetate	ND	9.5	1.00	
Vinyl Chloride	ND	0.95	1.00	
p/m-Xylene	ND	1.9	1.00	
o-Xylene	ND	0.95	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	1.00	
Tert-Butyl Alcohol (TBA)	ND	19	1.00	
Diisopropyl Ether (DIPE)	ND	0.95	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.95	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.95	1.00	
Ethanol	ND	470	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 3 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Alamo Car Wash			Page 4 of 42

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR2-10	**16-08-2083-2-B**	**08/29/16 08:50**	**Solid**	**GC/MS QQ**	**08/29/16**	**08/30/16 15:31**	**160830L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	41	1.00	
Benzene	ND	0.83	1.00	
Bromobenzene	ND	0.83	1.00	
Bromochloromethane	ND	1.7	1.00	
Bromodichloromethane	ND	0.83	1.00	
Bromoform	ND	4.1	1.00	
Bromomethane	ND	17	1.00	
2-Butanone	ND	17	1.00	
n-Butylbenzene	ND	0.83	1.00	
sec-Butylbenzene	ND	0.83	1.00	
tert-Butylbenzene	ND	0.83	1.00	
Carbon Disulfide	ND	8.3	1.00	
Carbon Tetrachloride	ND	0.83	1.00	
Chlorobenzene	ND	0.83	1.00	
Chloroethane	ND	1.7	1.00	
Chloroform	ND	0.83	1.00	
Chloromethane	ND	17	1.00	
2-Chlorotoluene	ND	0.83	1.00	
4-Chlorotoluene	ND	0.83	1.00	
Dibromochloromethane	ND	1.7	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.00	
1,2-Dibromoethane	ND	0.83	1.00	
Dibromomethane	ND	0.83	1.00	
1,2-Dichlorobenzene	ND	0.83	1.00	
1,3-Dichlorobenzene	ND	0.83	1.00	
1,4-Dichlorobenzene	ND	0.83	1.00	
Dichlorodifluoromethane	ND	1.7	1.00	
1,1-Dichloroethane	ND	0.83	1.00	
1,2-Dichloroethane	ND	0.83	1.00	
1,1-Dichloroethene	ND	0.83	1.00	
c-1,2-Dichloroethene	ND	0.83	1.00	
t-1,2-Dichloroethene	ND	0.83	1.00	
1,2-Dichloropropane	ND	0.83	1.00	
1,3-Dichloropropane	ND	0.83	1.00	
2,2-Dichloropropane	ND	4.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 5 of 42

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.7	1.00	
c-1,3-Dichloropropene	ND	0.83	1.00	
t-1,3-Dichloropropene	ND	1.7	1.00	
Ethylbenzene	ND	0.83	1.00	
2-Hexanone	ND	17	1.00	
Isopropylbenzene	ND	0.83	1.00	
p-Isopropyltoluene	ND	0.83	1.00	
Methylene Chloride	ND	8.3	1.00	
4-Methyl-2-Pentanone	ND	17	1.00	
Naphthalene	ND	8.3	1.00	
n-Propylbenzene	ND	1.7	1.00	
Styrene	ND	0.83	1.00	
1,1,1,2-Tetrachloroethane	ND	0.83	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	1.00	
Tetrachloroethene	ND	0.83	1.00	
Toluene	ND	0.83	1.00	
1,2,3-Trichlorobenzene	ND	1.7	1.00	
1,2,4-Trichlorobenzene	ND	1.7	1.00	
1,1,1-Trichloroethane	ND	0.83	1.00	
1,1,2-Trichloroethane	ND	0.83	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	1.00	
Trichloroethene	ND	1.7	1.00	
Trichlorofluoromethane	ND	8.3	1.00	
1,2,3-Trichloropropane	ND	1.7	1.00	
1,2,4-Trimethylbenzene	ND	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.7	1.00	
Vinyl Acetate	ND	8.3	1.00	
Vinyl Chloride	ND	0.83	1.00	
p/m-Xylene	ND	1.7	1.00	
o-Xylene	ND	0.83	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	1.00	
Tert-Butyl Alcohol (TBA)	ND	17	1.00	
Diisopropyl Ether (DIPE)	ND	0.83	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.83	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.83	1.00	
Ethanol	ND	410	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 6 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	121	71-155	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Alamo Car Wash			Page 7 of 42

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR2-15	**16-08-2083-3-C**	**08/29/16 08:56**	**Solid**	**GC/MS QQ**	**08/29/16**	**08/30/16 16:00**	**160830L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	47	1.00	
Benzene	ND	0.93	1.00	
Bromobenzene	ND	0.93	1.00	
Bromochloromethane	ND	1.9	1.00	
Bromodichloromethane	ND	0.93	1.00	
Bromoform	ND	4.7	1.00	
Bromomethane	ND	19	1.00	
2-Butanone	ND	19	1.00	
n-Butylbenzene	ND	0.93	1.00	
sec-Butylbenzene	ND	0.93	1.00	
tert-Butylbenzene	ND	0.93	1.00	
Carbon Disulfide	ND	9.3	1.00	
Carbon Tetrachloride	ND	0.93	1.00	
Chlorobenzene	ND	0.93	1.00	
Chloroethane	ND	1.9	1.00	
Chloroform	ND	0.93	1.00	
Chloromethane	ND	19	1.00	
2-Chlorotoluene	ND	0.93	1.00	
4-Chlorotoluene	ND	0.93	1.00	
Dibromochloromethane	ND	1.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.00	
1,2-Dibromoethane	ND	0.93	1.00	
Dibromomethane	ND	0.93	1.00	
1,2-Dichlorobenzene	ND	0.93	1.00	
1,3-Dichlorobenzene	ND	0.93	1.00	
1,4-Dichlorobenzene	ND	0.93	1.00	
Dichlorodifluoromethane	ND	1.9	1.00	
1,1-Dichloroethane	ND	0.93	1.00	
1,2-Dichloroethane	ND	0.93	1.00	
1,1-Dichloroethene	ND	0.93	1.00	
c-1,2-Dichloroethene	ND	0.93	1.00	
t-1,2-Dichloroethene	ND	0.93	1.00	
1,2-Dichloropropane	ND	0.93	1.00	
1,3-Dichloropropane	ND	0.93	1.00	
2,2-Dichloropropane	ND	4.7	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 8 of 42

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.9	1.00	
c-1,3-Dichloropropene	ND	0.93	1.00	
t-1,3-Dichloropropene	ND	1.9	1.00	
Ethylbenzene	ND	0.93	1.00	
2-Hexanone	ND	19	1.00	
Isopropylbenzene	ND	0.93	1.00	
p-Isopropyltoluene	ND	0.93	1.00	
Methylene Chloride	ND	9.3	1.00	
4-Methyl-2-Pentanone	ND	19	1.00	
Naphthalene	ND	9.3	1.00	
n-Propylbenzene	ND	1.9	1.00	
Styrene	ND	0.93	1.00	
1,1,1,2-Tetrachloroethane	ND	0.93	1.00	
1,1,2,2-Tetrachloroethane	ND	1.9	1.00	
Tetrachloroethene	ND	0.93	1.00	
Toluene	ND	0.93	1.00	
1,2,3-Trichlorobenzene	ND	1.9	1.00	
1,2,4-Trichlorobenzene	ND	1.9	1.00	
1,1,1-Trichloroethane	ND	0.93	1.00	
1,1,2-Trichloroethane	ND	0.93	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.3	1.00	
Trichloroethene	ND	1.9	1.00	
Trichlorofluoromethane	ND	9.3	1.00	
1,2,3-Trichloropropane	ND	1.9	1.00	
1,2,4-Trimethylbenzene	ND	1.9	1.00	
1,3,5-Trimethylbenzene	ND	1.9	1.00	
Vinyl Acetate	ND	9.3	1.00	
Vinyl Chloride	ND	0.93	1.00	
p/m-Xylene	ND	1.9	1.00	
o-Xylene	ND	0.93	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	1.00	
Tert-Butyl Alcohol (TBA)	ND	19	1.00	
Diisopropyl Ether (DIPE)	ND	0.93	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.93	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.93	1.00	
Ethanol	ND	470	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 9 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	111	79-133	
1,2-Dichloroethane-d4	124	71-155	
Toluene-d8	101	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Alamo Car Wash			Page 10 of 42

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR2-20	**16-08-2083-4-B**	**08/29/16 09:05**	**Solid**	**GC/MS QQ**	**08/29/16**	**08/30/16 16:29**	**160830L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	48	1.00	
Benzene	ND	0.97	1.00	
Bromobenzene	ND	0.97	1.00	
Bromochloromethane	ND	1.9	1.00	
Bromodichloromethane	ND	0.97	1.00	
Bromoform	ND	4.8	1.00	
Bromomethane	ND	19	1.00	
2-Butanone	ND	19	1.00	
n-Butylbenzene	ND	0.97	1.00	
sec-Butylbenzene	ND	0.97	1.00	
tert-Butylbenzene	ND	0.97	1.00	
Carbon Disulfide	ND	9.7	1.00	
Carbon Tetrachloride	ND	0.97	1.00	
Chlorobenzene	ND	0.97	1.00	
Chloroethane	ND	1.9	1.00	
Chloroform	ND	0.97	1.00	
Chloromethane	ND	19	1.00	
2-Chlorotoluene	ND	0.97	1.00	
4-Chlorotoluene	ND	0.97	1.00	
Dibromochloromethane	ND	1.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.00	
1,2-Dibromoethane	ND	0.97	1.00	
Dibromomethane	ND	0.97	1.00	
1,2-Dichlorobenzene	ND	0.97	1.00	
1,3-Dichlorobenzene	ND	0.97	1.00	
1,4-Dichlorobenzene	ND	0.97	1.00	
Dichlorodifluoromethane	ND	1.9	1.00	
1,1-Dichloroethane	ND	0.97	1.00	
1,2-Dichloroethane	ND	0.97	1.00	
1,1-Dichloroethene	ND	0.97	1.00	
c-1,2-Dichloroethene	ND	0.97	1.00	
t-1,2-Dichloroethene	ND	0.97	1.00	
1,2-Dichloropropane	ND	0.97	1.00	
1,3-Dichloropropane	ND	0.97	1.00	
2,2-Dichloropropane	ND	4.8	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 11 of 42

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.9	1.00	
c-1,3-Dichloropropene	ND	0.97	1.00	
t-1,3-Dichloropropene	ND	1.9	1.00	
Ethylbenzene	ND	0.97	1.00	
2-Hexanone	ND	19	1.00	
Isopropylbenzene	ND	0.97	1.00	
p-Isopropyltoluene	ND	0.97	1.00	
Methylene Chloride	ND	9.7	1.00	
4-Methyl-2-Pentanone	ND	19	1.00	
Naphthalene	ND	9.7	1.00	
n-Propylbenzene	ND	1.9	1.00	
Styrene	ND	0.97	1.00	
1,1,1,2-Tetrachloroethane	ND	0.97	1.00	
1,1,2,2-Tetrachloroethane	ND	1.9	1.00	
Tetrachloroethene	ND	0.97	1.00	
Toluene	ND	0.97	1.00	
1,2,3-Trichlorobenzene	ND	1.9	1.00	
1,2,4-Trichlorobenzene	ND	1.9	1.00	
1,1,1-Trichloroethane	ND	0.97	1.00	
1,1,2-Trichloroethane	ND	0.97	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.7	1.00	
Trichloroethene	ND	1.9	1.00	
Trichlorofluoromethane	ND	9.7	1.00	
1,2,3-Trichloropropane	ND	1.9	1.00	
1,2,4-Trimethylbenzene	ND	1.9	1.00	
1,3,5-Trimethylbenzene	ND	1.9	1.00	
Vinyl Acetate	ND	9.7	1.00	
Vinyl Chloride	ND	0.97	1.00	
p/m-Xylene	ND	1.9	1.00	
o-Xylene	ND	0.97	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	1.00	
Tert-Butyl Alcohol (TBA)	140	19	1.00	
Diisopropyl Ether (DIPE)	ND	0.97	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.97	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.97	1.00	
Ethanol	ND	480	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 12 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	118	71-155	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Car Wash

Date Received: 08/29/16
Work Order: 16-08-2083
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR3-5	**16-08-2083-5-C**	**08/29/16 09:27**	**Solid**	**GC/MS QQ**	**08/29/16**	**08/30/16 16:58**	**160830L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	43	1.00	
Benzene	ND	0.86	1.00	
Bromobenzene	ND	0.86	1.00	
Bromochloromethane	ND	1.7	1.00	
Bromodichloromethane	ND	0.86	1.00	
Bromoform	ND	4.3	1.00	
Bromomethane	ND	17	1.00	
2-Butanone	ND	17	1.00	
n-Butylbenzene	1.3	0.86	1.00	
sec-Butylbenzene	ND	0.86	1.00	
tert-Butylbenzene	ND	0.86	1.00	
Carbon Disulfide	ND	8.6	1.00	
Carbon Tetrachloride	ND	0.86	1.00	
Chlorobenzene	ND	0.86	1.00	
Chloroethane	ND	1.7	1.00	
Chloroform	ND	0.86	1.00	
Chloromethane	ND	17	1.00	
2-Chlorotoluene	ND	0.86	1.00	
4-Chlorotoluene	ND	0.86	1.00	
Dibromochloromethane	ND	1.7	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.00	
1,2-Dibromoethane	ND	0.86	1.00	
Dibromomethane	ND	0.86	1.00	
1,2-Dichlorobenzene	ND	0.86	1.00	
1,3-Dichlorobenzene	ND	0.86	1.00	
1,4-Dichlorobenzene	ND	0.86	1.00	
Dichlorodifluoromethane	ND	1.7	1.00	
1,1-Dichloroethane	ND	0.86	1.00	
1,2-Dichloroethane	ND	0.86	1.00	
1,1-Dichloroethene	ND	0.86	1.00	
c-1,2-Dichloroethene	ND	0.86	1.00	
t-1,2-Dichloroethene	ND	0.86	1.00	
1,2-Dichloropropane	ND	0.86	1.00	
1,3-Dichloropropane	ND	0.86	1.00	
2,2-Dichloropropane	ND	4.3	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 14 of 42

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.7	1.00	
c-1,3-Dichloropropene	ND	0.86	1.00	
t-1,3-Dichloropropene	ND	1.7	1.00	
Ethylbenzene	ND	0.86	1.00	
2-Hexanone	ND	17	1.00	
Isopropylbenzene	ND	0.86	1.00	
p-Isopropyltoluene	ND	0.86	1.00	
Methylene Chloride	ND	8.6	1.00	
4-Methyl-2-Pentanone	ND	17	1.00	
Naphthalene	ND	8.6	1.00	
n-Propylbenzene	ND	1.7	1.00	
Styrene	ND	0.86	1.00	
1,1,1,2-Tetrachloroethane	ND	0.86	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	1.00	
Tetrachloroethene	ND	0.86	1.00	
Toluene	ND	0.86	1.00	
1,2,3-Trichlorobenzene	ND	1.7	1.00	
1,2,4-Trichlorobenzene	ND	1.7	1.00	
1,1,1-Trichloroethane	ND	0.86	1.00	
1,1,2-Trichloroethane	ND	0.86	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.6	1.00	
Trichloroethene	ND	1.7	1.00	
Trichlorofluoromethane	ND	8.6	1.00	
1,2,3-Trichloropropane	ND	1.7	1.00	
1,2,4-Trimethylbenzene	ND	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.7	1.00	
Vinyl Acetate	ND	8.6	1.00	
Vinyl Chloride	ND	0.86	1.00	
p/m-Xylene	ND	1.7	1.00	
o-Xylene	ND	0.86	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	1.00	
Tert-Butyl Alcohol (TBA)	18	17	1.00	
Diisopropyl Ether (DIPE)	ND	0.86	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.86	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.86	1.00	
Ethanol	ND	430	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 15 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	120	71-155	
Toluene-d8	105	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/16
Work Order: 16-08-2083
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Alamo Car Wash

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR3-10	**16-08-2083-6-C**	**08/29/16 09:35**	**Solid**	**GC/MS QQ**	**08/29/16**	**08/30/16 17:27**	**160830L009**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.87	1.00	
Bromobenzene	ND	0.87	1.00	
Bromochloromethane	ND	1.7	1.00	
Bromodichloromethane	ND	0.87	1.00	
Bromoform	ND	4.4	1.00	
Bromomethane	ND	17	1.00	
2-Butanone	ND	17	1.00	
n-Butylbenzene	ND	0.87	1.00	
sec-Butylbenzene	ND	0.87	1.00	
tert-Butylbenzene	ND	0.87	1.00	
Carbon Disulfide	ND	8.7	1.00	
Carbon Tetrachloride	ND	0.87	1.00	
Chlorobenzene	ND	0.87	1.00	
Chloroethane	ND	1.7	1.00	
Chloroform	ND	0.87	1.00	
Chloromethane	ND	17	1.00	
2-Chlorotoluene	ND	0.87	1.00	
4-Chlorotoluene	ND	0.87	1.00	
Dibromochloromethane	ND	1.7	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.00	
1,2-Dibromoethane	ND	0.87	1.00	
Dibromomethane	ND	0.87	1.00	
1,2-Dichlorobenzene	ND	0.87	1.00	
1,3-Dichlorobenzene	ND	0.87	1.00	
1,4-Dichlorobenzene	ND	0.87	1.00	
Dichlorodifluoromethane	ND	1.7	1.00	
1,1-Dichloroethane	ND	0.87	1.00	
1,2-Dichloroethane	ND	0.87	1.00	
1,1-Dichloroethene	ND	0.87	1.00	
c-1,2-Dichloroethene	ND	0.87	1.00	
t-1,2-Dichloroethene	ND	0.87	1.00	
1,2-Dichloropropane	ND	0.87	1.00	
1,3-Dichloropropane	ND	0.87	1.00	
2,2-Dichloropropane	ND	4.4	1.00	
1,1-Dichloropropene	ND	1.7	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 17 of 42

Parameter	Result	RL	DF	Qualifiers
c-1,3-Dichloropropene	ND	0.87	1.00	
t-1,3-Dichloropropene	ND	1.7	1.00	
Ethylbenzene	ND	0.87	1.00	
2-Hexanone	ND	17	1.00	
Isopropylbenzene	ND	0.87	1.00	
p-Isopropyltoluene	ND	0.87	1.00	
Methylene Chloride	ND	8.7	1.00	
4-Methyl-2-Pentanone	ND	17	1.00	
Naphthalene	ND	8.7	1.00	
n-Propylbenzene	ND	1.7	1.00	
Styrene	ND	0.87	1.00	
1,1,1,2-Tetrachloroethane	ND	0.87	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	1.00	
Tetrachloroethene	ND	0.87	1.00	
Toluene	ND	0.87	1.00	
1,2,3-Trichlorobenzene	ND	1.7	1.00	
1,2,4-Trichlorobenzene	ND	1.7	1.00	
1,1,1-Trichloroethane	ND	0.87	1.00	
1,1,2-Trichloroethane	ND	0.87	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.7	1.00	
Trichloroethene	ND	1.7	1.00	
Trichlorofluoromethane	ND	8.7	1.00	
1,2,3-Trichloropropane	ND	1.7	1.00	
1,2,4-Trimethylbenzene	ND	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.7	1.00	
Vinyl Acetate	ND	8.7	1.00	
Vinyl Chloride	ND	0.87	1.00	
p/m-Xylene	ND	1.7	1.00	
o-Xylene	ND	0.87	1.00	
Methyl-t-Butyl Ether (MTBE)	4.0	1.7	1.00	
Diisopropyl Ether (DIPE)	ND	0.87	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.87	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.87	1.00	
Ethanol	ND	440	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	116	71-155	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Alamo Car Wash			Page 18 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Toluene-d8	100	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR3-10	**16-08-2083-6-E**	**08/29/16 09:35**	**Solid**	**GC/MS QQ**	**08/29/16**	**08/31/16 12:43**	**160831L023**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	4500	50.0	
Tert-Butyl Alcohol (TBA)	7100	1800	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	96	79-133	
1,2-Dichloroethane-d4	94	71-155	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Alamo Car Wash			Page 19 of 42

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR3-15	**16-08-2083-7-C**	**08/29/16 09:41**	**Solid**	**GC/MS QQ**	**08/29/16**	**08/30/16 17:56**	**160830L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	45	1.00	
Benzene	ND	0.89	1.00	
Bromobenzene	ND	0.89	1.00	
Bromochloromethane	ND	1.8	1.00	
Bromodichloromethane	ND	0.89	1.00	
Bromoform	ND	4.5	1.00	
Bromomethane	ND	18	1.00	
2-Butanone	ND	18	1.00	
n-Butylbenzene	ND	0.89	1.00	
sec-Butylbenzene	ND	0.89	1.00	
tert-Butylbenzene	ND	0.89	1.00	
Carbon Disulfide	ND	8.9	1.00	
Carbon Tetrachloride	ND	0.89	1.00	
Chlorobenzene	ND	0.89	1.00	
Chloroethane	ND	1.8	1.00	
Chloroform	ND	0.89	1.00	
Chloromethane	ND	18	1.00	
2-Chlorotoluene	ND	0.89	1.00	
4-Chlorotoluene	ND	0.89	1.00	
Dibromochloromethane	ND	1.8	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.00	
1,2-Dibromoethane	ND	0.89	1.00	
Dibromomethane	ND	0.89	1.00	
1,2-Dichlorobenzene	ND	0.89	1.00	
1,3-Dichlorobenzene	ND	0.89	1.00	
1,4-Dichlorobenzene	ND	0.89	1.00	
Dichlorodifluoromethane	ND	1.8	1.00	
1,1-Dichloroethane	ND	0.89	1.00	
1,2-Dichloroethane	ND	0.89	1.00	
1,1-Dichloroethene	ND	0.89	1.00	
c-1,2-Dichloroethene	ND	0.89	1.00	
t-1,2-Dichloroethene	ND	0.89	1.00	
1,2-Dichloropropane	ND	0.89	1.00	
1,3-Dichloropropane	ND	0.89	1.00	
2,2-Dichloropropane	ND	4.5	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 20 of 42

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.8	1.00	
c-1,3-Dichloropropene	ND	0.89	1.00	
t-1,3-Dichloropropene	ND	1.8	1.00	
Ethylbenzene	ND	0.89	1.00	
2-Hexanone	ND	18	1.00	
Isopropylbenzene	ND	0.89	1.00	
p-Isopropyltoluene	ND	0.89	1.00	
Methylene Chloride	ND	8.9	1.00	
4-Methyl-2-Pentanone	ND	18	1.00	
Naphthalene	ND	8.9	1.00	
n-Propylbenzene	ND	1.8	1.00	
Styrene	ND	0.89	1.00	
1,1,1,2-Tetrachloroethane	ND	0.89	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	1.00	
Tetrachloroethene	ND	0.89	1.00	
Toluene	ND	0.89	1.00	
1,2,3-Trichlorobenzene	ND	1.8	1.00	
1,2,4-Trichlorobenzene	ND	1.8	1.00	
1,1,1-Trichloroethane	ND	0.89	1.00	
1,1,2-Trichloroethane	ND	0.89	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	1.00	
Trichloroethene	ND	1.8	1.00	
Trichlorofluoromethane	ND	8.9	1.00	
1,2,3-Trichloropropane	ND	1.8	1.00	
1,2,4-Trimethylbenzene	ND	1.8	1.00	
1,3,5-Trimethylbenzene	ND	1.8	1.00	
Vinyl Acetate	ND	8.9	1.00	
Vinyl Chloride	ND	0.89	1.00	
p/m-Xylene	ND	1.8	1.00	
o-Xylene	ND	0.89	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	1.00	
Tert-Butyl Alcohol (TBA)	ND	18	1.00	
Diisopropyl Ether (DIPE)	ND	0.89	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.89	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.89	1.00	
Ethanol	ND	450	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 21 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	121	71-155	
Toluene-d8	102	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Car Wash

Date Received: 08/29/16
Work Order: 16-08-2083
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR3-20	**16-08-2083-8-C**	**08/29/16 09:48**	**Solid**	**GC/MS QQ**	**08/29/16**	**08/31/16 12:14**	**160831L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	160	44	1.00	
Benzene	ND	0.87	1.00	
Bromobenzene	ND	0.87	1.00	
Bromochloromethane	ND	1.7	1.00	
Bromodichloromethane	ND	0.87	1.00	
Bromoform	ND	4.4	1.00	
Bromomethane	ND	17	1.00	
2-Butanone	ND	17	1.00	
n-Butylbenzene	62	0.87	1.00	
sec-Butylbenzene	41	0.87	1.00	
tert-Butylbenzene	ND	0.87	1.00	
Carbon Disulfide	ND	8.7	1.00	
Carbon Tetrachloride	ND	0.87	1.00	
Chlorobenzene	ND	0.87	1.00	
Chloroethane	ND	1.7	1.00	
Chloroform	ND	0.87	1.00	
Chloromethane	ND	17	1.00	
2-Chlorotoluene	ND	0.87	1.00	
4-Chlorotoluene	ND	0.87	1.00	
Dibromochloromethane	ND	1.7	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.00	
1,2-Dibromoethane	ND	0.87	1.00	
Dibromomethane	ND	0.87	1.00	
1,2-Dichlorobenzene	ND	0.87	1.00	
1,3-Dichlorobenzene	ND	0.87	1.00	
1,4-Dichlorobenzene	ND	0.87	1.00	
Dichlorodifluoromethane	ND	1.7	1.00	
1,1-Dichloroethane	ND	0.87	1.00	
1,2-Dichloroethane	ND	0.87	1.00	
1,1-Dichloroethene	ND	0.87	1.00	
c-1,2-Dichloroethene	ND	0.87	1.00	
t-1,2-Dichloroethene	ND	0.87	1.00	
1,2-Dichloropropane	ND	0.87	1.00	
1,3-Dichloropropane	ND	0.87	1.00	
2,2-Dichloropropane	ND	4.4	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 23 of 42

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.7	1.00	
c-1,3-Dichloropropene	ND	0.87	1.00	
t-1,3-Dichloropropene	ND	1.7	1.00	
Ethylbenzene	67	0.87	1.00	
2-Hexanone	ND	17	1.00	
Isopropylbenzene	46	0.87	1.00	
p-Isopropyltoluene	8.8	0.87	1.00	
Methylene Chloride	ND	8.7	1.00	
4-Methyl-2-Pentanone	ND	17	1.00	
Naphthalene	ND	8.7	1.00	
n-Propylbenzene	150	1.7	1.00	
Styrene	ND	0.87	1.00	
1,1,1,2-Tetrachloroethane	ND	0.87	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	1.00	
Tetrachloroethene	ND	0.87	1.00	
Toluene	ND	0.87	1.00	
1,2,3-Trichlorobenzene	ND	1.7	1.00	
1,2,4-Trichlorobenzene	ND	1.7	1.00	
1,1,1-Trichloroethane	ND	0.87	1.00	
1,1,2-Trichloroethane	ND	0.87	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.7	1.00	
Trichloroethene	ND	1.7	1.00	
Trichlorofluoromethane	ND	8.7	1.00	
1,2,3-Trichloropropane	ND	1.7	1.00	
1,2,4-Trimethylbenzene	43	1.7	1.00	
1,3,5-Trimethylbenzene	29	1.7	1.00	
Vinyl Acetate	ND	8.7	1.00	
Vinyl Chloride	ND	0.87	1.00	
p/m-Xylene	2.8	1.7	1.00	
o-Xylene	ND	0.87	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	1.00	
Tert-Butyl Alcohol (TBA)	760	17	1.00	
Diisopropyl Ether (DIPE)	ND	0.87	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.87	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.87	1.00	
Ethanol	ND	440	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	107	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 24 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	95	79-133	
1,2-Dichloroethane-d4	99	71-155	
Toluene-d8	113	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Alamo Car Wash

Date Received: 08/29/16
Work Order: 16-08-2083
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR1-5	**16-08-2083-9-C**	**08/29/16 10:11**	**Solid**	**GC/MS QQ**	**08/29/16**	**08/30/16 18:25**	**160830L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	47	1.00	
Benzene	ND	0.95	1.00	
Bromobenzene	ND	0.95	1.00	
Bromochloromethane	ND	1.9	1.00	
Bromodichloromethane	ND	0.95	1.00	
Bromoform	ND	4.7	1.00	
Bromomethane	ND	19	1.00	
2-Butanone	ND	19	1.00	
n-Butylbenzene	ND	0.95	1.00	
sec-Butylbenzene	ND	0.95	1.00	
tert-Butylbenzene	ND	0.95	1.00	
Carbon Disulfide	ND	9.5	1.00	
Carbon Tetrachloride	ND	0.95	1.00	
Chlorobenzene	ND	0.95	1.00	
Chloroethane	ND	1.9	1.00	
Chloroform	ND	0.95	1.00	
Chloromethane	ND	19	1.00	
2-Chlorotoluene	ND	0.95	1.00	
4-Chlorotoluene	ND	0.95	1.00	
Dibromochloromethane	ND	1.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.00	
1,2-Dibromoethane	ND	0.95	1.00	
Dibromomethane	ND	0.95	1.00	
1,2-Dichlorobenzene	ND	0.95	1.00	
1,3-Dichlorobenzene	ND	0.95	1.00	
1,4-Dichlorobenzene	ND	0.95	1.00	
Dichlorodifluoromethane	ND	1.9	1.00	
1,1-Dichloroethane	ND	0.95	1.00	
1,2-Dichloroethane	ND	0.95	1.00	
1,1-Dichloroethene	ND	0.95	1.00	
c-1,2-Dichloroethene	ND	0.95	1.00	
t-1,2-Dichloroethene	ND	0.95	1.00	
1,2-Dichloropropane	ND	0.95	1.00	
1,3-Dichloropropane	ND	0.95	1.00	
2,2-Dichloropropane	ND	4.7	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 26 of 42

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.9	1.00	
c-1,3-Dichloropropene	ND	0.95	1.00	
t-1,3-Dichloropropene	ND	1.9	1.00	
Ethylbenzene	ND	0.95	1.00	
2-Hexanone	ND	19	1.00	
Isopropylbenzene	ND	0.95	1.00	
p-Isopropyltoluene	ND	0.95	1.00	
Methylene Chloride	ND	9.5	1.00	
4-Methyl-2-Pentanone	ND	19	1.00	
Naphthalene	ND	9.5	1.00	
n-Propylbenzene	ND	1.9	1.00	
Styrene	ND	0.95	1.00	
1,1,1,2-Tetrachloroethane	ND	0.95	1.00	
1,1,2,2-Tetrachloroethane	ND	1.9	1.00	
Tetrachloroethene	ND	0.95	1.00	
Toluene	ND	0.95	1.00	
1,2,3-Trichlorobenzene	ND	1.9	1.00	
1,2,4-Trichlorobenzene	ND	1.9	1.00	
1,1,1-Trichloroethane	ND	0.95	1.00	
1,1,2-Trichloroethane	ND	0.95	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.5	1.00	
Trichloroethene	ND	1.9	1.00	
Trichlorofluoromethane	ND	9.5	1.00	
1,2,3-Trichloropropane	ND	1.9	1.00	
1,2,4-Trimethylbenzene	ND	1.9	1.00	
1,3,5-Trimethylbenzene	ND	1.9	1.00	
Vinyl Acetate	ND	9.5	1.00	
Vinyl Chloride	ND	0.95	1.00	
p/m-Xylene	ND	1.9	1.00	
o-Xylene	ND	0.95	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	1.00	
Tert-Butyl Alcohol (TBA)	ND	19	1.00	
Diisopropyl Ether (DIPE)	ND	0.95	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.95	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.95	1.00	
Ethanol	ND	470	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 27 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	117	71-155	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Alamo Car Wash			Page 28 of 42

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR1-10	**16-08-2083-10-C**	**08/29/16 10:17**	**Solid**	**GC/MS QQ**	**08/29/16**	**08/30/16 18:54**	**160830L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	50	1.00	
Benzene	ND	1.0	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	2.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	20	1.00	
2-Butanone	ND	20	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	1.0	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	20	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 29 of 42

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.0	1.00	
c-1,3-Dichloropropene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	2.0	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	20	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	2.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	1.0	1.00	
p/m-Xylene	ND	2.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	20	1.00	
Diisopropyl Ether (DIPE)	ND	1.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	1.00	
Ethanol	ND	500	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 30 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	103	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Alamo Car Wash			Page 31 of 42

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR1-15	**16-08-2083-11-C**	**08/29/16 10:27**	**Solid**	**GC/MS QQ**	**08/29/16**	**08/30/16 19:23**	**160830L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	52	1.00	
Benzene	ND	1.0	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	2.1	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	21	1.00	
2-Butanone	ND	21	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	1.0	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	2.1	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	21	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	2.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.2	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	2.1	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	5.2	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 32 of 42

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.1	1.00	
c-1,3-Dichloropropene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	2.1	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	21	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	21	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	2.1	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	2.1	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	2.1	1.00	
1,2,4-Trichlorobenzene	ND	2.1	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
Trichloroethene	ND	2.1	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	2.1	1.00	
1,2,4-Trimethylbenzene	ND	2.1	1.00	
1,3,5-Trimethylbenzene	ND	2.1	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	1.0	1.00	
p/m-Xylene	ND	2.1	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.1	1.00	
Tert-Butyl Alcohol (TBA)	ND	21	1.00	
Diisopropyl Ether (DIPE)	ND	1.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	1.00	
Ethanol	ND	520	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 33 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	102	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/16
Work Order: 16-08-2083
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Alamo Car Wash

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PR1-20	**16-08-2083-12-C**	**08/29/16 10:35**	**Solid**	**GC/MS QQ**	**08/29/16**	**08/30/16 19:52**	**160830L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	43	1.00	
Benzene	ND	0.86	1.00	
Bromobenzene	ND	0.86	1.00	
Bromochloromethane	ND	1.7	1.00	
Bromodichloromethane	ND	0.86	1.00	
Bromoform	ND	4.3	1.00	
Bromomethane	ND	17	1.00	
2-Butanone	ND	17	1.00	
n-Butylbenzene	ND	0.86	1.00	
sec-Butylbenzene	1.0	0.86	1.00	
tert-Butylbenzene	ND	0.86	1.00	
Carbon Disulfide	ND	8.6	1.00	
Carbon Tetrachloride	ND	0.86	1.00	
Chlorobenzene	ND	0.86	1.00	
Chloroethane	ND	1.7	1.00	
Chloroform	ND	0.86	1.00	
Chloromethane	ND	17	1.00	
2-Chlorotoluene	ND	0.86	1.00	
4-Chlorotoluene	ND	0.86	1.00	
Dibromochloromethane	ND	1.7	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.00	
1,2-Dibromoethane	ND	0.86	1.00	
Dibromomethane	ND	0.86	1.00	
1,2-Dichlorobenzene	ND	0.86	1.00	
1,3-Dichlorobenzene	ND	0.86	1.00	
1,4-Dichlorobenzene	ND	0.86	1.00	
Dichlorodifluoromethane	ND	1.7	1.00	
1,1-Dichloroethane	ND	0.86	1.00	
1,2-Dichloroethane	ND	0.86	1.00	
1,1-Dichloroethene	ND	0.86	1.00	
c-1,2-Dichloroethene	ND	0.86	1.00	
t-1,2-Dichloroethene	ND	0.86	1.00	
1,2-Dichloropropane	ND	0.86	1.00	
1,3-Dichloropropane	ND	0.86	1.00	
2,2-Dichloropropane	ND	4.3	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 35 of 42

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.7	1.00	
c-1,3-Dichloropropene	ND	0.86	1.00	
t-1,3-Dichloropropene	ND	1.7	1.00	
Ethylbenzene	ND	0.86	1.00	
2-Hexanone	ND	17	1.00	
Isopropylbenzene	ND	0.86	1.00	
p-Isopropyltoluene	ND	0.86	1.00	
Methylene Chloride	ND	8.6	1.00	
4-Methyl-2-Pentanone	ND	17	1.00	
Naphthalene	ND	8.6	1.00	
n-Propylbenzene	ND	1.7	1.00	
Styrene	ND	0.86	1.00	
1,1,1,2-Tetrachloroethane	ND	0.86	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	1.00	
Tetrachloroethene	ND	0.86	1.00	
Toluene	ND	0.86	1.00	
1,2,3-Trichlorobenzene	ND	1.7	1.00	
1,2,4-Trichlorobenzene	ND	1.7	1.00	
1,1,1-Trichloroethane	ND	0.86	1.00	
1,1,2-Trichloroethane	ND	0.86	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.6	1.00	
Trichloroethene	ND	1.7	1.00	
Trichlorofluoromethane	ND	8.6	1.00	
1,2,3-Trichloropropane	ND	1.7	1.00	
1,2,4-Trimethylbenzene	ND	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.7	1.00	
Vinyl Acetate	ND	8.6	1.00	
Vinyl Chloride	ND	0.86	1.00	
p/m-Xylene	ND	1.7	1.00	
o-Xylene	ND	0.86	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	1.00	
Tert-Butyl Alcohol (TBA)	18	17	1.00	
Diisopropyl Ether (DIPE)	ND	0.86	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.86	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.86	1.00	
Ethanol	ND	430	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 36 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	109	71-155	
Toluene-d8	105	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Alamo Car Wash			Page 37 of 42

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-27932**	**N/A**	**Solid**	**GC/MS QQ**	**08/30/16**	**08/30/16 11:31**	**160830L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	50	1.00	
Benzene	ND	1.0	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	2.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	20	1.00	
2-Butanone	ND	20	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	1.0	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	20	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 38 of 42

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.0	1.00	
c-1,3-Dichloropropene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	2.0	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	20	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	2.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	1.0	1.00	
p/m-Xylene	ND	2.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	20	1.00	
Diisopropyl Ether (DIPE)	ND	1.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	1.00	
Ethanol	ND	500	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 39 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	109	71-155	
Toluene-d8	98	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/16
Work Order: 16-08-2083
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Alamo Car Wash

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-27934**	**N/A**	**Solid**	**GC/MS QQ**	**08/31/16**	**08/31/16 11:13**	**160831L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	50	1.00	
Benzene	ND	1.0	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	2.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	20	1.00	
2-Butanone	ND	20	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	1.0	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	20	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/16
2817-A Lafayette Avenue	Work Order:	16-08-2083
Newport Beach, CA 92663-3715	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Alamo Car Wash		Page 41 of 42

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.0	1.00	
c-1,3-Dichloropropene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	2.0	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	20	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	2.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	1.0	1.00	
p/m-Xylene	ND	2.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	20	1.00	
Diisopropyl Ether (DIPE)	ND	1.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	1.00	
Ethanol	ND	500	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Alamo Car Wash			Page 42 of 42

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	110	71-155	
Toluene-d8	99	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-27935**	**N/A**	**Solid**	**GC/MS QQ**	**08/31/16**	**08/31/16 11:42**	**160831L023**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	5000	50.0	
Tert-Butyl Alcohol (TBA)	ND	2000	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - LCS/LCSD

Frey Environmental, Inc.	Date Received: 08/29/16
2817-A Lafayette Avenue	Work Order: 16-08-2083
Newport Beach, CA 92663-3715	Preparation: EPA 5035
	Method: EPA 8015B (M)
Project: Alamo Car Wash	Page 1 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-285-6028	**LCS**	**Solid**	**GC 22**	**08/31/16**	**08/31/16 14:25**	**160831L024**
099-12-285-6028	**LCSD**	**Solid**	**GC 22**	**08/31/16**	**08/31/16 14:58**	**160831L024**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2.000	2.238	112	1.888	94	55-139	17	0-18	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8015B (M)
Project: Alamo Car Wash			Page 2 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-285-6030	**LCS**	**Solid**	**GC 22**	**09/01/16**	**09/01/16 13:54**	**160901L051**
099-12-285-6030	**LCSD**	**Solid**	**GC 22**	**09/01/16**	**09/01/16 16:06**	**160901L051**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2.000	1.696	85	1.911	96	55-139	12	0-18	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8015B (M)
Project: Alamo Car Wash			Page 3 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-285-6031	**LCS**	**Solid**	**GC 22**	**09/01/16**	**09/01/16 13:54**	**160901L056**
099-12-285-6031	**LCSD**	**Solid**	**GC 22**	**09/01/16**	**09/01/16 16:06**	**160901L056**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2.000	1.696	85	1.911	96	55-139	12	0-18	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8260B
Project: Alamo Car Wash			Page 4 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-27932	**LCS**	**Solid**	**GC/MS QQ**	**08/30/16**	**08/30/16 09:40**	**160830L009**
095-01-025-27932	**LCSD**	**Solid**	**GC/MS QQ**	**08/30/16**	**08/30/16 10:09**	**160830L009**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	48.92	98	47.46	95	80-120	73-127	3	0-20	
Carbon Tetrachloride	50.00	55.29	111	51.95	104	65-137	53-149	6	0-20	
Chlorobenzene	50.00	49.46	99	47.38	95	80-120	73-127	4	0-20	
1,2-Dibromoethane	50.00	47.25	94	47.98	96	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	50.00	47.39	95	46.45	93	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	48.14	96	47.44	95	80-120	73-127	1	0-20	
1,1-Dichloroethene	50.00	41.95	84	40.87	82	68-128	58-138	3	0-20	
Ethylbenzene	50.00	53.67	107	51.41	103	80-120	73-127	4	0-20	
Toluene	50.00	51.72	103	49.60	99	80-120	73-127	4	0-20	
Trichloroethene	50.00	52.46	105	49.45	99	80-120	73-127	6	0-20	
Vinyl Chloride	50.00	54.83	110	55.35	111	67-127	57-137	1	0-20	
p/m-Xylene	100.0	110.4	110	106.8	107	75-125	67-133	3	0-25	
o-Xylene	50.00	56.96	114	55.68	111	75-125	67-133	2	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	45.23	90	46.58	93	70-124	61-133	3	0-20	
Tert-Butyl Alcohol (TBA)	250.0	234.5	94	225.8	90	73-121	65-129	4	0-20	
Diisopropyl Ether (DIPE)	50.00	47.34	95	47.57	95	69-129	59-139	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	48.19	96	48.87	98	70-124	61-133	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	49.50	99	49.24	98	74-122	66-130	1	0-20	
Ethanol	500.0	527.9	106	502.9	101	51-135	37-149	5	0-27	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8260B
Project: Alamo Car Wash			Page 5 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-27934	**LCS**	**Solid**	**GC/MS QQ**	**08/31/16**	**08/31/16 09:33**	**160831L009**
095-01-025-27934	**LCSD**	**Solid**	**GC/MS QQ**	**08/31/16**	**08/31/16 10:02**	**160831L009**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	44.81	90	43.87	88	80-120	73-127	2	0-20	
Carbon Tetrachloride	50.00	47.87	96	46.68	93	65-137	53-149	3	0-20	
Chlorobenzene	50.00	45.48	91	44.32	89	80-120	73-127	3	0-20	
1,2-Dibromoethane	50.00	48.86	98	47.61	95	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	50.00	45.21	90	44.31	89	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	46.76	94	45.84	92	80-120	73-127	2	0-20	
1,1-Dichloroethene	50.00	38.87	78	37.86	76	68-128	58-138	3	0-20	
Ethylbenzene	50.00	48.22	96	47.66	95	80-120	73-127	1	0-20	
Toluene	50.00	47.06	94	46.17	92	80-120	73-127	2	0-20	
Trichloroethene	50.00	47.99	96	46.47	93	80-120	73-127	3	0-20	
Vinyl Chloride	50.00	52.49	105	49.52	99	67-127	57-137	6	0-20	
p/m-Xylene	100.0	101.1	101	98.12	98	75-125	67-133	3	0-25	
o-Xylene	50.00	52.39	105	51.29	103	75-125	67-133	2	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	44.69	89	45.24	90	70-124	61-133	1	0-20	
Tert-Butyl Alcohol (TBA)	250.0	217.8	87	214.7	86	73-121	65-129	1	0-20	
Diisopropyl Ether (DIPE)	50.00	43.05	86	44.27	89	69-129	59-139	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	44.09	88	44.77	90	70-124	61-133	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	47.21	94	46.60	93	74-122	66-130	1	0-20	
Ethanol	500.0	469.1	94	416.6	83	51-135	37-149	12	0-27	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.		Date Received:	08/29/16
2817-A Lafayette Avenue		Work Order:	16-08-2083
Newport Beach, CA 92663-3715		Preparation:	EPA 5035
		Method:	EPA 8260B
Project: Alamo Car Wash			Page 6 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-27935	**LCS**	**Solid**	**GC/MS QQ**	**08/31/16**	**08/31/16 09:33**	**160831L023**
095-01-025-27935	**LCSD**	**Solid**	**GC/MS QQ**	**08/31/16**	**08/31/16 10:02**	**160831L023**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	44.81	90	43.87	88	80-120	73-127	2	0-20	
Carbon Tetrachloride	50.00	47.87	96	46.68	93	65-137	53-149	3	0-20	
Chlorobenzene	50.00	45.48	91	44.32	89	80-120	73-127	3	0-20	
1,2-Dibromoethane	50.00	48.86	98	47.61	95	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	50.00	45.21	90	44.31	89	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	46.76	94	45.84	92	80-120	73-127	2	0-20	
1,1-Dichloroethene	50.00	38.87	78	37.86	76	68-128	58-138	3	0-20	
Ethylbenzene	50.00	48.22	96	47.66	95	80-120	73-127	1	0-20	
Toluene	50.00	47.06	94	46.17	92	80-120	73-127	2	0-20	
Trichloroethene	50.00	47.99	96	46.47	93	80-120	73-127	3	0-20	
Vinyl Chloride	50.00	52.49	105	49.52	99	67-127	57-137	6	0-20	
p/m-Xylene	100.0	101.1	101	98.12	98	75-125	67-133	3	0-25	
o-Xylene	50.00	52.39	105	51.29	103	75-125	67-133	2	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	44.69	89	45.24	90	70-124	61-133	1	0-20	
Tert-Butyl Alcohol (TBA)	250.0	217.8	87	214.7	86	73-121	65-129	1	0-20	
Diisopropyl Ether (DIPE)	50.00	43.05	86	44.27	89	69-129	59-139	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	44.09	88	44.77	90	70-124	61-133	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	47.21	94	46.60	93	74-122	66-130	1	0-20	
Ethanol	500.0	469.1	94	416.6	83	51-135	37-149	12	0-27	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 16-08-2083 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8015B (M)	EPA 5035	715	GC 22	2
EPA 8260B	EPA 5035	486	GC/MS QQ	2

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Glossary of Terms and Qualifiers

Work Order: 16-08-2083 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
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CHAIN OF CUSTODY RECORD

Date 8/29/16
Page 1 of 2

LABORATORY CLIENT: FREY ENVIRONMENTAL, INC.	CLIENT PROJECT NAME / NUMBER: Alamo Car Wash
ADDRESS: 2817-A LAFAYETTE AVENUE	PROJECT CONTACT: Sawyer Jones
CITY: NEWPORT BEACH, STATE: CA ZIP: 92663-3715	P.O. NO.: LAB USE ONLY: 16-08-2083
TEL: 949/723-1645 FAX: 949/723/1854 E-Mail: SawyerJones@freyinc.com	SAMPLER(S): (PRINT) John Seong COELT LOG CODE: ☐☐☐☐ COOLER RECEIPT TEMP=_____°C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☒ RWQCB REPORTING ☐ COELT REPORTING

SPECIAL INSTRUCTIONS: GDF Requested

REQUESTED ANALYSES

LAB USE ONLY	GEIMS ID	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G) 8015M	TPH (D) or _____	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	BTEX / OXYGENATES	VOCs (8260B)	VOCs+(5035 / 8260B) Full Scan EnCore	SVOCs (8270C)	PEST (8181A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310)	VOCs (TO-14A) or (TO-15)				
1		PR2-5	8/29/16	8:45	S	5	X						X											
2		-10		8:50		5																		
3		-15		8:56		6																		
4		-20		9:05		5																		
5		PR3-5		9:27		6																		
6		-10		9:35		6																		
7		-15		9:41		6																		
8		-20		9:48		6																		
9		PR1-5		10:11		6																		
10		-10		10:17		6																		

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 8-29-16	Time: 1315
Relinquished by: (Signature)	Received by: (Signature/Affiliation) Dannyle FEL	Date: 8-29-16	Time: 1410
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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Garden Grove, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 8/29/16

Page 2 of 2

LABORATORY CLIENT: FREY ENVIRONMENTAL, INC.	CLIENT PROJECT NAME / NUMBER: Alamo Car Wash
ADDRESS: 2817-A LAFAYETTE AVENUE	PROJECT CONTACT: Sawyer Jones
CITY: NEWPORT BEACH, STATE: CA ZIP: 92663-3715	SAMPLER(S): (PRINT) John Sang
TEL: 949/723-1645 FAX: 949/723/1854 E-Mail: SawyerJones@freyinc.com	COELT LOG CODE: ☐☐☐☐
TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS	P.O. NO.:
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☒ RWQCB REPORTING ☐ COELT REPORTING	LAB USE ONLY: 08-2083
SPECIAL INSTRUCTIONS: See Page 1	COOLER RECEIPT: TEMP= °C

REQUESTED ANALYSES

LAB USE ONLY	GEIMS ID	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G) 8015M	TPH (D) or	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	BTEX / OXYGENATES	VOCs (8260B)	VOCs+(5035 / 8260B) Full EnCore	SVOCs (8270C)	PEST (8181A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310)	VOCs (TO-14A) or (TO-15)
11		PRI-15	8/29/16	10:27	S	6	X						X							
12		PRI-20	↓	10:35	↓	6	↓						↓							

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 8-29-16	Time: 1315
Relinquished by: (Signature)	Received by: (Signature/Affiliation) Dannyle CCL	Date: 8-29-16	Time: 1410
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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WORK ORDER NUMBER: 16-08- 2083

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Frey Envl

DATE: 08 / 29 / 2016

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2A (CF: 0.0°C); Temperature (w/o CF): 3.1 °C (w/ CF): 3.1 °C; ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 659

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A Checked by: 659

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A Checked by: 659

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna_2 ☐ 100PJ ☐ 100PJna_2 ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB

☐ 125PBznna ☐ 250AGB ☐ 250CGB ☐ 250CGBs ☐ 250PB ☐ 250PBn ☐ 500AGB ☐ 500AGJ ☐ 500AGJs

☐ 500PB ☐ 1AGB ☐ 1AGBna_2 ☐ 1AGBs ☐ 1PB ☐ 1PBna ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☒ Sleeve (1 *) ☒ EnCores® (5 *) ☐ TerraCores® (____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na_2** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 659

Reviewed by: 1053

*(-1), (-2) & (-4) received encores only. DLC 8/29/16

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FREY ENVIRONMENTAL, INC.

Environmental Geologists, Engineers, Assessors

2817 A Lafayette Avenue-
Newport Beach, CA 92663
(949) 723-1645
Fax (949) 723-1854
Email: freyinc@freyinc.com

November 14, 2018
159-11

Mr. Noman Chowdhury
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013

THIRD QUARTER 2018
POST REMEDIATION GROUNDWATER MONITORING
AND SAMPLING AND CORRECTIVE ACTION SITE STATUS UPDATE
AND REQUEST FOR NO FURTHER ACTION
ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA
(RWQCB ID #R-15014, GLOBAL ID #T0603774352)

Dear Mr. Chowdhury:

This report documents and presents the results of post remediation, groundwater monitoring and sampling activities conducted during the third quarter 2018 at 784 North Nogales Street in Walnut, California [(Site)(Figure 1)]. This report also presents an update of corrective action activities conducted at the Site, and requests no further action at the Site.

The Site is currently an active car wash facility and fueling station with the configuration shown on Figure 2.

SUMMARY OF GROUNDWATER MONITORING AND SAMPLING ACTIVITIES

Groundwater Monitoring and Sampling

On August 28, 2018, groundwater monitoring wells MW1 through MW13 and air sparge wells AS5 through AS8 were measured for depth to water and checked for the presence of free product. Free product was not detected in any wells on August 28, 2018. Groundwater monitoring wells MW1 through MW13 were subsequently purged and sampled in accordance with the sampling schedule presented in Table 3.

The groundwater samples collected were analyzed for total purgeable petroleum hydrocarbons as gasoline (TPPH) and for the full list of volatile organic compounds (VOCs) in general accordance with EPA Method No. 8260B. Groundwater sampling procedures and groundwater sampling data forms are presented in Appendix A.

Copies of the laboratory analytical and quality control/quality assurance reports are presented in Appendix B.

Groundwater Transportation and Disposal

Groundwater purged from Site wells was temporarily stored off-Site in Department of Transportation (DOT) approved 55-gallon drums. The purged groundwater was disposed of at Crosby & Overton, a State-licensed hazardous waste recycling facility located in Long Beach, California. A copy of the disposal manifest is attached as Appendix C.

DISCUSSION AND RESULTS OF GROUNDWATER MONITORING AND SAMPLING

Groundwater Depths and Elevations

Measured groundwater depths ranged from 15.85 to 19.72 feet below the top of well casing (btoc) on August 28, 2018. Calculated groundwater elevations ranged from 559.73 feet above mean sea level (feet msl) in well MW13 to 567.80 feet msl in well MW9. Depth to groundwater and groundwater elevations are summarized in Table 1.

The groundwater flow direction beneath the Site was estimated to be to the south and south-east at an approximate gradient of 0.016 feet per foot. A Site sketch showing groundwater elevations and the estimated direction of groundwater flow on August 28, 2018 is shown as Figure 4.

TPPH, VOC, and Fuel Oxygenate Analyses

TPPH was detected in groundwater monitoring wells MW1, MW2, and MW7 at concentrations of 260 ug/l, 290 ug/l, and 280 ug/l, respectively, on August 28, 2018. TPPH was not detected in any other groundwater samples collected and analyzed during the third quarter 2018. Concentrations of TPPH increased slightly when compared to the fourth quarter 2017 sampling results.

Benzene was not detected above the laboratory detection limit in any wells sampled on August 28, 2018.

Methyl-t-butyl ether (MTBE) was detected in groundwater monitoring wells MW2, MW4, and MW13 at concentrations of 21 ug/l, 3.5 ug/l, and 3.1 ug/l, respectively, and was not detected above the laboratory detection limit in any other Site wells on August 28, 2018. Detected concentrations of MTBE decreased slightly when compared to the fourth quarter 2017 sampling event results.

Tert-butyl alcohol (TBA) was detected in groundwater monitoring wells MW1 and MW2 at concentrations of 3,900 ug/l and 3,800 ug/l, respectively. TBA was not detected above the laboratory detection limit in any other Site wells on August 28, 2018. Detected concentrations of TBA did not change significantly when compared to the fourth quarter 2017 sampling event results.

Additional VOCs detected in groundwater samples collected and analyzed in Site wells on August 28, 2018, include: n-butylbenzene, isopropylbenzene, chloroform, n-propylbenzene, and 1,2,4-trimethylbenzene.

A summary of laboratory chemical analyses for TPHg/TPPH, BTEX, and fuel oxygenates is presented on Table 1. Additional laboratory detected VOCs in groundwater are summarized on Table 2. Site sketches showing TPPH, benzene, MTBE, and TBA concentrations in groundwater on August 28, 2018, are shown as Figures 5 through 8, respectively. Graphs showing historical concentrations of TPHg/TPPH, MTBE, and TBA, and groundwater elevations for wells MW1, MW2, MW4, and MW6 through MW8 are presented in Appendix D.

Free Product Monitoring and Recovery

Free product was not observed in any wells monitored during the current monitoring and sampling event. Historically, free product had been detected in well MW7 on one occasion, on December 9, 2016, at a thickness of 0.02 feet. Free product was bailed from well MW7 until it was no longer observed in the well on December 9, 2016. Free product has not been observed in well MW7 since December 9, 2016.

CORRECTIVE ACTION SITE STATUS UPDATE AND REQUEST FOR NO FURTHER ACTION

Based on the data presented herein and presented in previous investigation reports, the following conclusions are presented:

- The source(s) of the former petroleum hydrocarbon release(s), the USTs and associated fueling dispensers, piping, and associated appurtenances have been removed from the Site (FREY, 2000).

- Concentrations of petroleum hydrocarbons have been fully assessed in subsurface soils and groundwater beneath the Site (FREY, 2005)(FREY, 2007)(FREY, 2010)(FREY, 2016).

- The secondary source of petroleum hydrocarbons has been removed to the maximum extent possible. An estimated total of 694 pounds (114 gallons) of volatile petroleum hydrocarbons were removed from beneath the Site between the initiation of HVDPE on April 23, 2014, through the end of the fourth quarter of 2014 (FREY, 2015).

- A total of 173,814 gallons of groundwater have been extracted and treated by the HVDPE system between the initiation of HVDPE on April 23, 2014 through the end of the fourth quarter of 2014 (FREY, 2015).

- It is estimated that approximately 1,275 lbs (210 gallons) of petroleum hydrocarbons were removed from beneath the Site during in-situ remediation, consisting of soil vapor extraction, air sparge remediation and high vacuum dual phase extraction between 2010 and 2014 (FREY, 2015).

- Data from post remediation soil sampling conducted in August of 2016, indicated that concentrations of TPHg, BTEX, and MTBE in soil beneath the Site have been reduced to relatively low or non-detect levels after completion of vapor extraction and high vacuum dual phase extraction remediation at the Site and meet the UST Low Threat Closure Policy guildelines and criteria for concentrations of petroleum hydrocarbon constituents in soil (SWRCB, 2012) (FREY, 2016).

- Data from approximately twelve years of groundwater monitoring and sampling demonstrate that the plume of petroleum hydrocarbons in groundwater have been adequately assessed in all directions. Additionally, post-remediation groundwater monitoring and sampling has demonstrated that the remaining plume is stable and decreasing (Figures 5 through 8). Natural attenuation will continue to further reduce the remaining petroleum hydrocarbon concentrations in groundwater.

- Based on our evaluation of the Site with respect to the Low Threat Closure Policy, the Site meets all the general and media-specific criteria requirements for low threat case closure.

- Based on the conclusions of this report, FREY recommends no further action for the Site and requests Low-Threat Case Closure for the Site.

If you have any questions regarding this report, please contact us at (949) 723-1645.

Sincerely,
FREY Environmental, Inc.

REGISTERED ENGINEERING GEOLOGIST
JOSEPH H. FREY
No. 1500
Exp 8/31/20
STATE OF CALIFORNIA

Joe Frey
Principal Certified
Engineering Geologist
CEG #1500

Sawyer Jones
Project Environmental
Scientist

SAWYER JONES (FOR)
Deanna Hoppe
Senior Staff Geologist

Attachments:

Table 1	Summary of Groundwater Levels and Chemical Analysis Results
Table 2	Summary of Additional Groundwater VOC Laboratory Analysis Results
Table 3	Groundwater Monitoring Well Monitoring and Sampling Schedule
Figure 1	Site Location Map
Figure 2	Site Vicinity Sketch Showing Groundwater Monitoring Well Locations
Figure 3	Site Sketch Showing Soil Sample, Soil Boring, Air Sparge Well, Vapor Extraction Well, and Groundwater Monitoring Well Locations
Figure 4	Site Sketch Showing Groundwater Elevations and Estimated Groundwater Flow Direction on August 28, 2018
Figure 5	Site Sketch Showing TPPH Concentrations in Groundwater on August 28, 2018
Figure 6	Site Sketch Showing Benzene Concentrations in Groundwater on August 28, 2018
Figure 7	Site Sketch Showing MTBE Concentrations in Groundwater on August 28, 2018
Figure 8	Site Sketch Showing TBA Concentrations in Groundwater on August 28, 2018
Appendix A	Field Procedures and Groundwater Sampling Data Forms
Appendix B	Laboratory Reports
Appendix C	Disposal Documentation
Appendix D	Concentration vs. Time Graphs

Cc:

Dan & Sylvia Gerstner
(Via e-mail)

State Water Resources Control Board
UST Cleanup Fund
(Via Geotracker)

References:

FREY (FREY Environmental, Inc.), 2000, Fuel Dispensing Complex Soil Sampling, Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated December 11, 2000.

_____, 2005, Soil and Groundwater Investigation and Well Installation, Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated December 10, 2005.

_____, 2007, Additional On-Site and Off-Site Subsurface Soil and Groundwater Investigation and Well Installation, Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated March 12, 2007.

_____, 2010. Additional On-Site and Off-Site Soil and Groundwater Investigation, Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated July 23, 2010.

_____, 2015, *High Vacuum Dual-Phase Extraction System Operation and Maintenance Report, Fourth Quarter 2014,* Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated March 16, 2015.

_____, 2016, Post-Remediation Subsurface Soil Investigation, Alamo Car Wash, 784 North Nogales Street, Walnut, California, dated November 7, 2016.

TABLES

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg [3] /TPPH (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW1	582.45	9-39	08/17/2005	14.10	568.35	--	45,000	360	3,400	11,000	1,200	8,000	1,900	13,000	ND<2.0	ND<2.0	ND<2.0	--
			11/18/2005	14.56	567.89	--	50,000	690	9,900	4,100	3,400	6,200	8,500	7,600	ND<20	ND<20	ND<20	--
			02/08/2006	14.99	567.46	--	76,000	1,100	4,800	2,300	1,700	3,600	11,000	43,000	ND<20	ND<20	ND<20	--
			06/02/2006	15.26	567.19	--	20,000	--	4,700	660	1,500	1,930	16,000	66,000	ND<100	ND<100	ND<100	--
			08/21/2006	15.27	567.18	--	44,000	430	5,600	1,100	1,300	2,400	11,000	23,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/17/2006	15.11	567.34	--	62,000	360	3,000	1,300	900	1,000	16,000	32,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/12/2007	14.25	568.20	--	190,000	370	3,000	4,700	680	2,900	21,000	140,000	ND<40	ND<40	ND<40	ND<1,000
			04/26/2007	13.70	568.75	--	210,000	610	4,300	7,000	1,100	5,000	27,000	180,000	ND<40	ND<40	ND<40	ND<1,000
			08/31/2007	13.38	569.07	--	250,000	2,100	8,300	18,000	3,500	13,000	21,000	170,000	ND<40	ND<40	ND<40	ND<1,000
			11/21/2007	13.47	568.98	--	310,000	3,700	5,800	14,800	3,400	16,000	17,000	190,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	13.94	568.51	--	240,000	2,100	5,400	18,000	2,500	13,000	5,500	98,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	14.30	568.15	--	190,000	1,600	8,500	26,000	2,400	14,000	1,100	82,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	14.81	567.64	--	190,000	1,100	2,000	5,200	520	1,600	3,300	95,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	15.65	566.80	--	37,000	530	1,700	430	440	830	560	28,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	15.75	566.70	--	31,000	410	1,100	290	330	950	370	19,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	15.48	566.97	--	15,000	10,000*	830	1,800	1,000	3,600	650	48,000	ND<100	ND<100	ND<100	ND<5,000
			06/11/2010	13.62	568.83	--	59,000	5,100	1,900	5,300	3,100	16,000	610	27,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	14.56	567.89	--	110,000	ND<100	640	1,800	1,500	6,300	560	98,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	11.60	570.85	--	59,000	ND<100	750	2,600	1,400	7,000	190	33,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	12.31	570.14	--	54,000	ND<100	380	2,300	1,700	7,300	69	21,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	13.55	568.90	--	65,000	--	450	790	1,800	4,800	50	16,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/17/2012	14.00	568.45	--	5,900	--	82	210	1,100	2,600	8.4	990	ND<2.0	ND<2.0	22	ND<50
			11/26/2012	15.33	567.12	--	3,500	--	39	28	710	790	3.4	220	ND<2.0	ND<2.0	8.5	ND<50
			06/26/2013	15.84	566.61	--	1,800	--	17	15	160	280	37	720	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.29	566.16	--	990	--	0.54	0.86	32	19	28	890	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	20.15	562.30	--	1,300	--	1.7	0.74	13	6.4	77	1,200	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	17.65	564.80	--	1,100	--	ND<12	ND<25	ND<25	ND<25	66	21,000	ND<50	ND<50	ND<50	ND<2,500
			06/12/2015	18.05	564.40	--	1,700	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.2	1,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	18.95	563.50	--	300	--	ND<12	ND<25	ND<25	ND<25	ND<25	11,000	ND<50	ND<50	ND<50	ND<2,500
			06/17/2016	19.20	563.25	--	3,800	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.0	3,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/09/2016	19.80	562.65	--	ND<108	--	ND<0.331	ND<0.780	ND<0.384	ND<1.06	5.69	6,310	ND<0.320	ND<0.270	ND<0.260	--
			06/02/2017	17.01	565.44	--	240	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	7.1	6,700	ND<2.0	ND<2.0	ND<2.0	ND<100
			12/15/2017	17.35	565.10	--	ND<100	--	ND<1.00	ND<1.00	ND<50.0	ND<3.00	4.11	3,280	ND<1.00	ND<1.00	ND<1.00	ND<100
			08/28/2018	17.35	565.10	--	260	--	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<5.0	3,900	ND<10	ND<10	ND<10	ND<500

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg [3] /TPPH (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW2	581.39	8-38	08/17/2005	13.86	567.53	--	ND<50	ND<100	ND<0.50	4.3	ND<0.50	2.6	8.3	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			11/18/2005	14.16	567.23	--	290	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.9	220	ND<2.0	ND<2.0	ND<2.0	--
			02/08/2006	14.53	566.86	--	1,400	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.4	1,400	ND<2.0	ND<2.0	ND<2.0	--
			06/02/2006	14.72	566.67	--	210	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			08/21/2006	15.03	566.36	--	170	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/17/2006	14.65	566.74	--	1,600	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	1,500	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/12/2007	14.60	566.79	--	13,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.8	13,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	14.00	567.39	--	9,400	ND<100	3.3	2.8	0.68	4.0	17	9,400	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	13.68	567.71	--	39,000	ND<100	2.5	2.1	0.51	3.0	33	38,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	13.80	567.59	--	28,000	ND<100	ND<0.50	6.4	1.6	5.6	26	28,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	14.25	567.14	--	57,000	ND<100	ND<0.50	ND<0.50	ND<0.50	1.2	24	57,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	14.35	567.04	--	73,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	72,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	14.80	566.59	--	44,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	38	43,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	15.50	565.89	--	9,100	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.1	8,900	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	15.65	565.74	--	7,600	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.68	7,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	15.48	565.91	--	930	ND<500	ND<25	ND<50	ND<50	ND<50	ND<50	28,000	ND<100	ND<100	ND<100	ND<5,000
			06/11/2010	13.26	568.13	--	20,000	ND<100	3.8	ND<0.50	ND<0.50	ND<0.50	58	19,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	15.35	566.04	--	46,000	ND<100	ND<10	ND<10	ND<10	ND<10	14	45,000	ND<40	ND<40	ND<40	ND<1,000
			01/17/2011	14.06	567.33	--	20,000	ND<100	ND<10	ND<10	ND<10	ND<10	17	19,000	ND<40	ND<40	ND<40	ND<1,000
			05/06/2011	12.75	568.64	--	8,100	ND<100	3.9	ND<0.50	ND<0.50	ND<0.50	18	7,400	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	14.00	567.39	--	20,000	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	38	19,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/17/2012	14.35	567.04	--	11,000	--	0.54	0.78	2.8	5.5	19	10,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	15.45	565.94	--	850	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.2	820	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/26/2013	15.91	565.48	--	4,300	--	ND<0.50	ND<0.50	ND<0.50	4.0	13	4,200	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.25	565.14	--	1,400	--	ND<0.50	ND<0.50	ND<0.50	0.88	6.5	1,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	17.89	563.50	--	1,900	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	1,700	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	17.80	563.59	--	920	--	ND<10	ND<20	ND<20	ND<20	38	17,000	ND<40	ND<40	ND<40	ND<2,000
			06/12/2015	17.90	563.49	--	2,200	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	11	2,100	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	18.62	562.77	--	160	--	ND<10	ND<20	ND<20	ND<20	67	20,000	ND<40	ND<40	ND<40	ND<2,000
			06/17/2016	18.90	562.49	--	8,300	--	ND<0.50	ND<0.50	ND<0.50	1.1	41	8,100	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/09/2016	19.41	561.98	--	ND<108	--	ND<0.331	ND<0.780	ND<0.384	ND<1.06	55.6	9,360	ND<0.320	0.390	ND<0.260	--
			06/02/2017	16.82	564.57	--	240	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	59	7,100	ND<2.0	ND<2.0	ND<2.0	ND<100
			12/15/2017	17.10	564.29	--	ND<100	--	ND<1.00	ND<1.00	ND<1.00	ND<3.00	23.5	2,270	ND<1.00	ND<1.00	ND<1.00	ND<100
			08/28/2018	16.98	564.41	--	290	--	ND<2.5	ND<5.0	ND<5.0	ND<5.0	21	3,800	ND<10	ND<10	ND<10	ND<500

TABLE 1
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ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg [3] /TPPH (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW3	582.35	14-44	08/17/2005	14.69	567.66	--	ND<50	ND<100	1.0	5.2	ND<0.50	3.3	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			11/18/2005	15.09	567.26	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			02/08/2006	15.45	566.90	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			06/02/2006	15.42	566.93	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	--
			08/21/2006	15.73	566.62	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/17/2006	15.61	566.74	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/12/2007	15.46	566.89	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	15.00	567.35	--	88	ND<100	6.6	0.60	ND<0.50	0.65	15	73	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	14.80	567.55	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.1	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	14.81	567.54	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.3	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	15.05	567.30	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.95	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	15.20	567.15	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.4	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	15.60	566.75	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.2	24	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	16.20	566.15	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.56	16	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	16.27	566.08	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	57	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	16.15	566.20	--	ND<100	ND<500	ND<0.50	ND<1.0	ND<1.0	ND<1.0	5.2	230	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2010	15.42	566.93	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.5	110	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	16.37	565.98	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.9	21	ND<2.0	ND<2.0	ND<2,0	ND<50
			01/17/2011	14.96	567.39	--	430	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.2	390	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	14.55	567.80	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.0	19	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	14.85	567.50	--	250	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.0	200	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/16/2012	15.20	567.15	--	160	--	ND<0.50	ND<0.50	0.97	1.9	2.7	150	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2013	16.10	566.25	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.6	36	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/25/2013	16.41	565.94	--	250	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	21	230	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.85	565.50	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	17.65	564.70	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.7	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	18.15	564.20	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	18.06	564.29	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	25	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	18.60	563.75	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	18.80	563.55	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/09/2016	19.21	563.14	--	ND<108	--	ND<0.331	ND<0.780	ND<0.384	ND<1.06	ND<0.367	ND<2.40	ND<0.320	ND<0.270	ND<0.260	--
			06/02/2017	17.25	565.10	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			12/15/2017	17.65	564.70	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/28/2018	17.55	564.80	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg [3] /TPPH (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW4	579.47	9-39	01/12/2007	14.61	564.86	--	240	ND<100	1.0	2.8	ND<0.50	1.6	180	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	14.15	565.32	--	650	ND<100	ND<0.50	ND<0.50	ND<0.50	1.6	65	580	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	14.03	565.44	--	1,100	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	120	980	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	14.07	565.40	--	5,100	ND<100	5.8	42	6.2	41	180	4,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	14.45	565.02	--	11,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	170	10,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	14.40	565.07	--	9,300	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	72	9,200	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	14.80	564.67	--	9,200	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	210	8,900	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	15.36	564.11	--	9,300	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	34	1,100	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	15.46	564.01	--	4,800	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	17	690	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	15.35	564.12	--	480	ND<500	ND<10	ND<20	ND<20	ND<20	91	13,000	ND<40	ND<40	ND<40	ND<2,000
			06/11/2010	14.65	564.82	--	9,800	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	9,700	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	15.43	564.04	--	25,000	ND<100	ND<10	ND<10	ND<10	ND<10	44	24,000	ND<40	ND<40	ND<40	ND<1000
			01/17/2011	14.22	565.25	--	7,700	ND<100	ND<10	ND<10	ND<10	ND<10	35	7,600	ND<40	ND<40	ND<40	ND<1,000
			05/06/2011	13.90	565.57	--	22,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	30	17,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	14.20	565.27	--	4,300	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	51	3,900	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/17/2012	14.50	564.97	--	1,400	--	ND<0.50	ND<0.50	1.2	1.8	16	1,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	15.30	564.17	--	450	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	18	420	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/25/2013	15.60	563.87	--	7,400	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	95	7,200	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.09	563.38	--	1,300	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	190	940	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	16.62	562.85	--	1,500	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	260	1,100	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	17.24	562.23	--	710	--	ND<10	ND<20	ND<20	ND<20	57	16,000	ND<40	ND<40	ND<40	ND<2,000
			06/11/2015	17.20	562.27	--	1,600	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	20	1,500	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	17.65	561.82	--	ND<100	--	ND<2.0	ND<4.0	ND<4.0	ND<4.0	16	1,900	ND<8.0	ND<8.0	ND<8.0	ND<400
			06/17/2016	17.88	561.59	--	67	--	ND<0.50	ND<0.50	ND<0.50	1.2	7.2	160	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/09/2016	18.29	561.18	--	ND<108	--	ND<0.331	ND<0.780	ND<0.384	ND<1.06	9.14	885	ND<0.320	ND<0.270	ND<0.260	--
			06/02/2017	16.40	563.07	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	6.1	18	ND<2.0	ND<2.0	ND<2.0	ND<1000
			12/15/2017	16.62	562.85	--	ND<100	--	ND<1.00	ND<1.00	ND<1.00	ND<3.00	3.61	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1000
			12/28/2018	16.34	563.13	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	3.5	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg [3] /TPPH (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW5	582.93	10-40	01/12/2007	13.33	569.60	--	120	ND<100	0.50	1.4	ND<0.50	0.60	83	13	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	12.65	570.28	--	110	ND<100	ND<0.50	ND<0.50	ND<0.50	0.60	30	82	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	12.25	570.68	--	1,300	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	47	1,200	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	12.25	570.68	--	8,300	ND<100	1.0	7.0	1.1	6.4	98	8,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	12.60	570.33	--	430	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	410	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	12.90	570.03	--	350	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.0	320	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	13.25	569.68	--	75	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.1	68	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	14.00	568.93	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.3	22	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	14.10	568.83	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.0	35	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	15.18	567.75	--	ND<100	ND<500	ND<0.50	ND<1.0	ND<1.0	ND<1.0	1.2	80	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2010	13.21	569.72	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	23	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	14.40	568.53	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	12.65	570.28	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<10	ND<2.0	ND<2.0	ND<50
			05/06/2011	11.83	571.10	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	12.28	570.65	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/16/2012	12.74	570.19	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	14.08	568.85	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/25/2013	14.40	568.53	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	14.79	568.14	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	15.80	567.13	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	16.71	566.22	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	16.80	566.13	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.8	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	17.50	565.43	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	17.60	565.33	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/09/2016	18.20	564.73	--	ND<108	--	ND<0.331	ND<0.412	ND<0.384	ND<1.06	ND<0.367	ND<2.40	ND<0.320	ND<0.270	ND<0.260	--
			06/02/2017	15.75	567.18	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			12/15/2017	16.47	566.46	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/28/2018	16.30	566.63	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg [3] /TPPH (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW6	583.68	10-40	01/12/2007	14.50	569.18	--	99,000	ND<100	ND<0.50	1.2	ND<0.50	0.77	270	98,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	13.95	569.73	--	140,000	ND<100	ND<0.50	ND<0.50	ND<0.50	0.77	170	140,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	13.53	570.15	--	190,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	270	190,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	13.72	569.96	--	230,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	350	230,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	14.16	569.52	--	93,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	85	92,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	14.50	569.18	--	120,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	46	110,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	15.05	568.63	--	76,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	87	75,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	15.95	567.73	--	34,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	87	33,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	16.10	567.58	--	27,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	25,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	15.82	567.86	--	1,000	ND<500	ND<25	ND<50	ND<50	ND<50	53	31,000	ND<100	ND<100	ND<100	ND<5,000
			06/11/2010	14.35	569.33	--	23,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	16	23,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	15.26	568.42	--	13,000	ND<100	ND<10	ND<10	ND<10	ND<10	ND<0.50	12,000	ND<40	ND<40	ND<40	ND<1000
			01/17/2011	12.78	570.90	--	3,000	ND<100	ND<10	ND<10	ND<10	ND<10	1.1	2,800	ND<40	ND<40	ND<40	ND<1,000
			05/06/2011	13.58	570.10	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.9	2,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	13.70	569.98	--	210	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.1	170	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/17/2012	14.20	569.48	--	210	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.1	170	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	15.65	568.03	--	86	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.9	83	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/26/2013	16.18	567.50	--	360	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	13	340	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.95	566.73	--	180	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	17	140	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	18.45	565.23	--	310	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.8	290	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	18.65	565.03	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	12	130	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/12/2015	18.98	564.70	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.9	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	19.85	563.83	--	120	--	ND<0.50	ND<0.50	9.4	23	3.9	32	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	20.06	563.62	--	180	--	ND<0.50	ND<0.50	0.94	3.2	1.9	16	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/09/2016	19.80	563.88	--	ND<108	--	ND<0.331	ND<0.780	ND<0.384	ND<1.06	1.63	45.8	ND<0.320	ND<0.270	ND<0.260	--
			06/02/2017	17.80	565.88	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	1.1	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			12/15/2017	18.17	565.51	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/28/2018	18.17	565.51	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg [3] /TPPH (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW7	580.83	10-40	01/12/2007	13.00	567.83	--	1,300	ND<100	1.8	57	130	260	1.5	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/26/2007	12.46	568.37	--	190	ND<100	0.75	43	80	140	5.4	180	ND<2.0	ND<2.0	ND<2.0	ND<50
			08/31/2007	12.15	568.68	--	1,200	ND<100	ND<0.50	17	62	120	5.3	980	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	12.15	568.68	--	7,600	ND<100	2.2	110	320	680	8.0	3,400	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	12.45	568.38	--	3,800	ND<100	ND<0.50	42	170	440	5.0	1,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	13.10	567.73	--	2,400	ND<100	ND<0.50	28	110	330	4.3	1,200	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	13.60	567.23	--	11,000	ND<100	ND<0.50	4.8	19	45	20	9,800	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	14.45	566.38	--	1,100	ND<100	ND<0.50	17	100	270	1.4	410	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	14.46	566.37	--	1,600	ND<100	ND<0.50	21	140	420	3.4	670	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	14.30	566.53	--	3,800	2,500*	ND<5.0	17	200	500	ND<10	6,400	ND<20	ND<20	ND<20	ND<1,000
			06/11/2010	13.02	567.81	--	2,100	250	ND<0.50	21	270	550	4.2	1,100	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	13.92	566.91	--	1,400	ND<100	ND<0.50	5.4	79	250	3.9	380	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	12.21	568.62	--	1,000	ND<100	ND<0.50	10	96	190	2.1	140	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	11.65	569.18	--	820	ND<100	ND<0.50	2.4	42	61	1.1	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	12.20	568.63	--	1,400	--	ND<0.50	5.6	110	98	4.0	110	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/17/2012	12.57	568.26	--	5,100	--	ND<0.50	7.8	120	130	1.6	19	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/26/2012	13.90	566.93	--	210	--	ND<0.50	ND<0.50	35	42	1.9	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/25/2013	14.40	566.43	--	680	--	ND<0.50	2.5	49	66	18	240	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	15.19	565.64	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.3	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	16.10	564.73	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	10	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	16.98	563.85	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	1.4	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	16.98	563.85	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	18.25	562.58	--	2,500	--	ND<0.50	ND<1.0	130	321	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	18.20	562.63	--	1,400	--	ND<0.50	ND<0.50	14	36	ND<0.50	25	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/9/2016**	18.80	562.05	0.02	ND<108	--	ND<0.331	ND<0.780	8.12	12.6	0.799	161	ND<0.320	ND<0.270	ND<0.260	--
			06/02/2017	15.90	564.95	--	690	--	ND<0.50	ND<1.0	2.2	1.4	1.1	46	ND<2.0	ND<2.0	ND<2.0	ND<100
			12/15/2017	16.18	564.67	--	262	--	ND<1.00	ND<1.00	1.11	ND<3.00	0.868	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<100
			08/28/2018	16.15	564.70	--	280	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg [3] /TPPH (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW8	584.90	10-40	08/31/2007	14.04	570.86	--	8,400	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	63	8,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/21/2007	14.10	570.80	--	16,000	ND<100	1.9	12	2.1	9.8	79	15,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			03/07/2008	14.50	570.40	--	13,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	61	13,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/24/2008	17.65	567.25	--	17,000	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	34	17,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			07/29/2008	15.23	569.67	--	9,800	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	90	9,700	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/30/2008	16.07	568.83	--	1,400	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.6	1,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/22/2009	16.20	568.70	--	810	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.3	740	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/15/2009	16.05	568.85	--	190	ND<500	ND<5.0	ND<10	ND<10	ND<10	29	5,400	ND<20	ND<20	ND<20	ND<1,000
			06/11/2010	15.15	569.75	--	3,700	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	3,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	16.41	568.49	--	4,400	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	16	4,300	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	14.46	570.44	--	9,800	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	18	9,700	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	13.70	571.20	--	8,900	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	23	8,500	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	14.20	570.70	--	4,100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	32	3,800	ND<2.0	ND<2.0	ND<2.0	ND<50
			04/17/2012	14.70	570.20	--	150	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	11	130	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	16.10	568.80	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.6	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			06/25/2013	16.60	568.30	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.0	32	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	17.36	567.54	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.4	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	18.20	566.70	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	19.40	565.50	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	4.4	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	19.41	565.49	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.7	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	20.40	564.50	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	2.6	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	20.45	564.45	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/09/2016	21.11	563.79	--	ND<108	--	ND<0.331	ND<0.780	ND<0.384	ND<1.06	0.771	ND<2.40	ND<0.320	ND<0.270	ND<0.260	--
			06/02/2017	18.17	566.73	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			12/15/2017	18.78	566.12	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/28/2018	18.80	566.10	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
MW9	585.78	5-30	06/11/2010	14.55	571.23	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	16.08	569.70	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	13.75	572.03	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	12.98	572.80	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	13.60	572.18	--	--	--	--	--	--	--	--	--	--	--	--	--
			04/16/2012	14.20	571.58	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	15.70	570.08	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/25/2013	16.05	569.73	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.75	569.03	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	16.70	569.08	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	21.10	564.68	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	18.25	567.53	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	19.11	566.67	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	18.35	567.43	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/09/2016	19.41	566.37	--	ND<108	--	ND<0.331	ND<0.780	ND<0.384	ND<1.06	ND<0.367	ND<2.40	ND<0.320	ND<0.270	ND<0.260	--
			06/02/2017	17.31	568.47	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			12/15/2017	18.11	567.67	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/28/2018	17.98	567.80	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100

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ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg [3] /TPPH (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW10	586.03	4-29	06/11/2010	15.83	570.20	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	17.25	568.78	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	14.95	571.08	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	14.10	571.93	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	14.80	571.23	--	--	--	--	--	--	--	--	--	--	--	--	--
			04/16/2012	15.35	570.68	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	16.90	569.13	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/25/2013	17.55	568.48	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	18.40	567.63	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	18.95	567.08	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	20.45	565.58	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	20.32	565.71	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	21.45	564.58	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	21.55	564.48	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/09/2016	22.30	563.73	--	ND<108	--	ND<0.331	ND<0.780	ND<0.384	ND<1.06	ND<0.367	ND<2.40	ND<0.320	ND<0.270	ND<0.260	--
			06/02/2017	19.10	566.93	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			12/15/2017	19.50	566.53	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/28/2018	19.72	566.31	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
MW11	583.56	5-30	06/11/2010	15.51	568.05	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	16.65	566.91	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	14.66	568.90	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	14.00	569.56	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	14.65	568.91	--	--	--	--	--	--	--	--	--	--	--	--	--
			04/16/2012	15.00	568.56	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	16.36	567.20	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/25/2013	16.95	566.61	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	17.78	565.78	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	18.40	565.16	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	19.78	563.78	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	19.70	563.86	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	20.80	562.76	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	20.95	562.61	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/09/2016	21.58	561.98	--	ND<108	--	ND<0.331	ND<0.412	ND<0.384	ND<1.06	ND<0.367	ND<2.40	ND<0.320	ND<0.270	ND<0.260	--
			06/02/2017	18.60	564.96	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			12/15/2017	18.90	564.66	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/28/2018	18.90	564.66	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg [3] /TPPH (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
MW12	579.72	5-30	06/11/2010	12.99	566.73	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	14.01	565.71	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	12.25	567.47	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	11.70	568.02	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	12.27	567.45	--	--	--	--	--	--	--	--	--	--	--	--	--
			04/16/2012	12.50	567.22	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	13.75	565.97	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/25/2013	14.27	565.45	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	14.99	564.73	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	15.65	564.07	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	16.80	562.92	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	16.76	562.96	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			02/14/2015	17.75	561.97	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	17.90	561.82	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/09/2017	18.48	561.24	--	ND<108	--	ND<0.331	ND<0.412	ND<0.384	ND<1.06	ND<0.367	ND<2.40	ND<0.320	ND<0.270	ND<0.260	--
			06/02/2017	15.70	564.02	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			12/15/2017	15.95	563.77	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/28/2018	15.85	563.87	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
MW13	576.97	5-30	06/11/2010	15.95	561.02	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/29/2010	16.37	560.60	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			01/17/2011	15.53	561.44	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/06/2011	15.45	561.52	--	ND<50	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			10/14/2011	15.60	561.37	--	--	--	--	--	--	--	--	--	--	--	--	--
			04/16/2012	15.70	561.27	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/26/2012	16.02	560.95	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/25/2013	16.35	560.62	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	16.60	560.37	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			05/23/2014	16.95	560.02	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<25
			11/21/2014	17.45	559.52	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	9.1	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/11/2015	17.45	559.52	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	17.90	559.07	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	4.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	17.99	558.98	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/09/2016	18.26	558.71	--	ND<108	--	ND<0.331	ND<0.412	ND<0.384	ND<1.06	4.26	ND<2.40	ND<0.320	ND<0.270	ND<0.260	--
			06/02/2017	16.99	559.98	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	7.8	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			12/15/2017	17.25	559.72	--	ND<100	--	ND<1.00	ND<1.00	ND<1.00	ND<3.00	6.18	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<100
			08/28/2018	17.24	559.73	--	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	3.1	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
AS1	583.19	20-22.5	07/27/2010	16.05	567.14	--	25,000	16,000*	ND<50	240	2,400	3,540	ND<100	120,000	ND<200	ND<200	ND<200	ND<10,000
			06/26/2013	16.20	566.99	--	4,200	--	55	14	140	13	10	4,100	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	17.90	565.29	--	450	--	ND<10	ND<20	ND<20	ND<20	23	16,000	ND<40	ND<40	ND<40	ND<2,000
			06/12/2015	18.81	564.38	--	1,700	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.2	1,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	19.45	563.74	--	320	--	ND<5.0	ND<10	ND<10	ND<10	ND<10	4,200	ND<20	ND<20	ND<20	ND<1,000
			06/17/2016	19.90	563.29	--	230	--	ND<0.50	ND<0.50	ND<0.50	0.86	1.2	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg [3] /TPPH (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
AS2	583.43	27.5-30	07/27/2010	15.30	568.13	--	5,700*	920*	ND<25	ND<50	ND<50	ND<50	ND<50	17,000	ND<100	ND<200	ND<100	ND<5,000
			06/26/2013	16.23	567.20	--	3,700	--	0.79	0.86	14	4.0	28	3,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	18.57	564.86	--	450	--	ND<10	ND<20	ND<20	ND<20	51	14,000	ND<40	ND<40	ND<40	ND<2,000
			06/12/2015	19.01	564.42	--	1,200	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	57	1,100	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	19.90	563.53	--	180	--	ND<10	ND<20	ND<20	ND<20	81	23,000	ND<40	ND<40	ND<40	ND<2,000
			06/17/2016	20.15	563.28	--	6,200	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	6,100	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AS3	NS	19.5-22	07/27/2010	15.46	NS	--	2,000*	ND<500	ND<50	ND<100	ND<100	ND<100	ND<100	40,000	ND<200	ND<200	ND<200	ND<10,000
			06/26/2013	16.50	NS	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	20	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	19.20	NS	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	7.8	41	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/12/2015	19.41	NS	--	ND<50	--	1.1	2.2	0.64	3.2	1.9	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	20.40	NS	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	1.5	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	20.55	NS	--	1,300	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.8	1,200	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AS4	NS	20-22.5	07/27/2010	15.50	NS	--	2,400*	1,600*	ND<12	ND<25	ND<25	ND<25	ND<25	22,000	ND<50	ND<50	ND<50	ND<2,500
			06/26/2013	16.55	NS	--	3,800	--	1.6	2.0	5.2	16	13	3,600	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	13.80	NS	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/11/2015	Dry	NS	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/14/2015	Dry	NS	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/17/2016	17.35	NS	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg [3] /TPPH (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
AS5	NS	20-22.5	07/27/2010	14.95	NS	--	28,000	17,000*	3,000	1,600	2,500	3,530	740	100,000	ND<200	ND<200	ND<200	ND<10,000
			06/26/2013	15.95	NS	--	12,000	--	ND<0.50	ND<0.50	6.8	11	100	11,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	18.15	NS	--	520	--	ND<0.50	ND<1.0	4.1	ND<1.0	6.1	16,000	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/12/2015	18.56	NS	--	3,100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.0	3,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	19.50	NS	--	150	--	ND<10	ND<20	ND<20	ND<20	ND<20	11,000	ND<40	ND<40	ND<40	ND<2,000
			06/17/2016	19.70	NS	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/15/2017	17.79	NS	--	ND<100	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	9.79	2,960	ND<1.00	ND<1.00	ND<1.00	ND<100
			08/28/2018	17.85	NS	--	--	--	--	--	--	--	--	--	--	--	--	--
AS6	NS	20-22.5	07/27/2010	14.40	NS	--	83,000*	25,000*	29	26	730	104	34	1,500	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/26/2013	15.50	NS	--	8,600	--	ND<0.50	1.3	1.0	2.4	120	8,500	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	18.20	NS	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	64	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/12/2015	18.60	NS	--	62	--	ND<0.50	ND<0.50	ND<0.50	1.26	ND<0.50	48	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/14/2015	19.55	NS	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	34	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	19.75	NS	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/15/2017	17.75	NS	--	ND<100	--	ND<1.00	0.603	ND<1.00	ND<3.00	ND<1.00	79.2	ND<1.00	ND<1.00	ND<1.00	ND<100
			08/28/2018	18.05	NS	--	--	--	--	--	--	--	--	--	--	--	--	--
AS7	582.46	20-22.5	07/27/2010	14.95	567.51	--	3,200*	ND<500	ND<50	ND<100	ND<100	ND<100	110	62,000	ND<200	ND<200	ND<200	ND<10,000
			06/26/2013	15.60	566.86	--	19,000	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	350	18,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	17.50	564.96	--	120	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	32	2,200	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/12/2015	17.33	565.13	--	130	--	0.66	1.6	ND<0.50	2.9	12	100	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	17.73	564.73	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	16	150	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	18.02	564.44	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/15/2017	16.85	565.61	--	ND<100	--	ND<1.00	ND<1.00	ND<1.00	ND<3.00	13.9	12.6	ND<1.00	ND<1.00	ND<1.00	ND<100
			08/28/2018	16.84	565.62	--	--	--	--	--	--	--	--	--	--	--	--	--
AS8	582.31	20-22.5	07/27/2010	15.28	567.03	--	2,000*	ND<500	ND<0.50	ND<1.0	ND<1.0	ND<1.0	43	34,000	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/26/2013	16.10	566.21	--	22,000	--	ND<0.50	ND<0.50	0.65	2.4	13	21,000	ND<2.0	ND<2.0	ND<2.0	ND<50
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	18.08	564.23	--	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	8.1	150	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/12/2015	18.10	564.21	--	98	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.2	85	ND<2.0	ND<2.0	ND<2.0	ND<50
			12/15/2015	18.84	563.47	--	ND<100	--	0.78	1.2	1.6	ND<1.0	2.1	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
			06/17/2016	19.05	563.26	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/15/2017	17.56	564.75	--	ND<100	--	1.76	9.69	2.36	13.9	0.772	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<100
			08/28/2018	17.50	564.81	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg [3] /TPPH (ug/l)	TPHd [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethyl-benzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	Ethanol [4] (ug/l)
AS9	NS	19.5-22	07/27/2010	15.70	NS	--	73,000	53,000*	440	11,000	4,500	24,400	72	33,000	ND<100	ND<100	ND<100	ND<5,000
			06/26/2013	14.76	NS	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/24/2014	17.80	NS	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/11/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/14/2015	17.55	NS	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/17/2016	18.15	NS	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
[1] Groundwater monitoring well locations and elevations were surveyed in general accordance with Geotracker standards on November 4, 2005, by a RDM Surveying, Inc., a California licensed land surveyor, with respect to City of West Covina Bench Mark #108.
[2] Depth to groundwater as measured from the top of well casing.
[3] Analyzed for total petroleum hydrocarbons as gasoline (TPHg) and as diesel (TPHd) by modified EPA Method No. 8015M. From December 9, 2016 and forward, analyzed for TPH Gasoline (C6-C10) by EPA Method 8260B.
[4] Analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX) , Methyl-t-Butyl Ether (MTBE), Tert-Butyl Alcohol (TBA), Diisopropyl Ether (DIPE), Ethyl-Tert-Butyl Ether (ETBE), Tert-Amyl-Methyl Ether (TAME), and Ethanol by EPA Method No. 8260B.

(ug/l) = micrograms per liter
ND<0.50 = Not Detected at or above the laboratory detection limit.
ft-msl = feet above mean sea level.
bgs = below the ground surface.
-- = not analyzed
NS = Not Surveyed
* = Sample does not match the chromatographic pattern of specified standard
** = Free product was detected on December 9, 2016 in well MW7 at a thickness of 0.02 feet
Groundwater elevtions in wells with measurable free product were calculated using the equation: (well elevation - depth to water) + (product thickness x 0.75).

TABLE 2
SUMMARY OF ADDITIONAL GROUNDWATER VOC CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Date Sampled	Acetone (ug/l)	Bromodichloro-methane (ug/l)	Bromoform (ug/l)	2-butanone (ug/l)	n-butyl-benzene (ug/l)	sec-Butyl-benzene (ug/l)	Chloroform (ug/l)	Dibromochloro-methane (ug/l)	Isopropyl-benzene (ug/l)	p-Isopropyl-toluene (ug/l)	Naphthalene (ug/l)	n-propyl-benzene (ug/l)	1,2,4-trimethyl-benzene (ug/l)	1,3,5-trimethyl-benzene (ug/l)
MW1	11/21/2014	ND<500	ND<25	ND<25	ND<250	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<250	ND<25	ND<25	ND<25
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<500	ND<25	ND<25	ND<250	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<250	ND<25	35	ND<25
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/09/2016	ND<10.0	ND<0.380	ND<0.469	ND<3.93	ND<0.361	ND<0.365	ND<0.324	--	ND<0.326	ND<0.350	ND<1.00	ND<0.349	ND<0.373	ND<0.387
	06/02/2017	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	12/15/2017	12.5	ND<1.00	ND<1.00	ND<10.0	ND<1.00	ND<1.00	ND<5.00	--	--	--	ND<250	ND<50.0	ND<50.0	ND<1.00
	08/28/2018	ND<100	ND<5.0	ND<5.0	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	ND<5.0	ND<5.0	ND<5.0
MW2	11/21/2014	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2015	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	3.6	2.3
	12/09/2016	ND<10.0	ND<0.380	ND<0.469	ND<3.93	ND<0.361	ND<0.365	ND<0.324	--	ND<0.326	ND<0.350	ND<1.00	ND<0.349	0.722	ND<0.387
	06/02/2017	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	12/15/2017	ND<50.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00	ND<1.00	ND<5.00	--	--	--	ND<5.00	ND<1.00	ND<1.00	ND<1.00
	08/28/2018	ND<100	ND<5.0	ND<5.0	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	ND<5.0	ND<5.0	ND<5.0
MW3	11/21/2014	29	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/09/2016	ND<10.0	ND<0.380	ND<0.469	ND<3.93	ND<0.361	ND<0.365	ND<0.324	--	ND<0.326	ND<0.350	ND<1.00	ND<0.349	ND<0.373	ND<0.387
	06/02/2017	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/28/2018	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
MW4	11/21/2014	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<80	ND<4.0	ND<4.0	ND<40	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<40	ND<4.0	ND<4.0	ND<4.0
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.1	1.1
	12/09/2016	ND<10.0	ND<0.380	ND<0.469	ND<3.93	ND<0.361	ND<0.365	ND<0.324	--	ND<0.326	ND<0.350	ND<1.00	ND<0.349	ND<0.373	ND<0.387
	06/02/2017	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	12/15/2017	ND<50.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00	ND<1.00	ND<5.00	--	--	--	ND<5.00	ND<1.00	ND<1.00	ND<1.00
	08/28/2018	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0

TABLE 2
SUMMARY OF ADDITIONAL GROUNDWATER VOC CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Date Sampled	Acetone (ug/l)	Bromodichloro-methane (ug/l)	Bromoform (ug/l)	2-butanone (ug/l)	n-butyl-benzene (ug/l)	sec-Butyl-benzene (ug/l)	Chloroform (ug/l)	Dibromochloro-methane (ug/l)	Isopropyl-benzene (ug/l)	p-Isopropyl-toluene (ug/l)	Naphthalene (ug/l)	n-propyl-benzene (ug/l)	1,2,4-trimethyl-benzene (ug/l)	1,3,5-trimethyl-benzene (ug/l)
MW5	11/21/2014	46	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/09/2016	ND<10.0	ND<0.380	ND<0.469	ND<3.93	ND<0.361	ND<0.365	ND<0.324	--	ND<0.326	ND<0.350	ND<1.00	ND<0.349	ND<0.373	ND<0.387
	06/02/2017	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/28/2018	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
MW6	11/21/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	2.1	ND<1.0	ND<1.0	ND<1.0	2.4	ND<1.0	ND<10	11	39	16
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.2	12	6.9
	12/09/2016	ND<10.0	ND<0.380	ND<0.469	ND<3.93	ND<0.361	ND<0.365	ND<0.324	--	ND<0.326	ND<0.350	ND<1.00	ND<0.349	ND<0.373	ND<0.387
	06/02/2017	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/28/2018	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
MW7	11/21/2014	46	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	57	14	ND<1.0	ND<1.0	45	7.7	27	400	1,800	690
	06/17/2016	--	--	ND<1.0	--	3.7	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.3	31	130	83
	12/09/2016	ND<10.0	ND<0.380	ND<0.469	ND<3.93	4.50	2.85	0.704	--	5.14	1.79	1.92	23	125	54.3
	06/02/2017	ND<20	ND<1.0	ND<1.0	ND<10	5.8	2.1	ND<1.0	ND<1.0	3.1	1.2	ND<10	15	77	21
	12/15/2017	ND<50.0	ND<1.00	ND<1.00	ND<10.0	0.959	1.49	0.365	--	--	--	ND<5.00	9.49	37.6	3.82
	08/28/2018	ND<20	ND<1.0	ND<1.0	ND<10	1.1	ND<1.0	ND<1.0	ND<1.0	1.0	ND<1.0	ND<10	5.8	16	ND<1.0
MW8	11/21/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/09/2016	ND<10.0	ND<0.380	ND<0.469	ND<3.93	ND<0.361	ND<0.365	ND<0.324	--	ND<0.326	ND<0.350	ND<1.00	ND<0.349	ND<0.373	ND<0.387
	06/02/2017	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/28/2018	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0

TABLE 2
SUMMARY OF ADDITIONAL GROUNDWATER VOC CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Date Sampled	Acetone (ug/l)	Bromodichloro-methane (ug/l)	Bromoform (ug/l)	2-butanone (ug/l)	n-butyl-benzene (ug/l)	sec-Butyl-benzene (ug/l)	Chloroform (ug/l)	Dibromochloro-methane (ug/l)	Isopropyl-benzene (ug/l)	p-Isopropyl-toluene (ug/l)	Naphthalene (ug/l)	n-propyl-benzene (ug/l)	1,2,4-trimethyl-benzene (ug/l)	1,3,5-trimethyl-benzene (ug/l)
MW9	11/21/2014	26	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	1.1	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/09/2016	ND<10.0	ND<0.380	ND<0.469	ND<3.93	ND<0.361	ND<0.365	0.349	--	ND<0.326	ND<0.350	ND<1.00	ND<0.349	ND<0.373	ND<0.387
	06/02/2017	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/28/2018	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	1.8	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
MW10	11/21/2014	25	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	1.4	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/09/2016	ND<10.0	ND<0.380	ND<0.469	ND<3.93	ND<0.361	ND<0.365	1.26	--	ND<0.326	ND<0.350	ND<1.00	ND<0.326	ND<0.373	ND<0.387
	06/02/2017	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
MW11	11/21/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/09/2016	ND<10.0	ND<0.380	ND<0.469	ND<3.93	ND<0.361	ND<0.365	0.522	--	ND<0.326	ND<0.350	ND<1.00	ND<0.349	ND<0.373	ND<0.387
	06/02/2017	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/28/2018	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
MW12	11/21/2014	44	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	02/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	1.6	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/09/2016	ND<10.0	ND<0.380	ND<0.469	ND<3.93	ND<0.361	ND<0.365	1.45	--	ND<0.326	ND<0.350	ND<1.00	ND<0.349	ND<0.373	ND<0.387
	06/02/2017	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	1.8	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/28/2018	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0

TABLE 2
SUMMARY OF ADDITIONAL GROUNDWATER VOC CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Date Sampled	Acetone (ug/l)	Bromodichloro-methane (ug/l)	Bromoform (ug/l)	2-butanone (ug/l)	n-butyl-benzene (ug/l)	sec-Butyl-benzene (ug/l)	Chloroform (ug/l)	Dibromochloro-methane (ug/l)	Isopropyl-benzene (ug/l)	p-Isopropyl-toluene (ug/l)	Naphthalene (ug/l)	n-propyl-benzene (ug/l)	1,2,4-trimethyl-benzene (ug/l)	1,3,5-trimethyl-benzene (ug/l)
MW13	11/21/2014	23	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/11/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/09/2016	ND<10.0	ND<0.380	ND<0.469	ND<3.93	ND<3.61	ND<0.365	ND<0.324	--	ND<0.326	ND<0.350	ND<1.00	ND<0.349	ND<0.373	ND<0.387
	06/02/2017	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	12/15/2017	ND<50.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00	ND<1.00	ND<5.00	--	--	--	ND<5.00	ND<1.00	ND<1.00	ND<1.00
	08/28/2018	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
AS1	11/24/2014	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2015	ND<200	ND<10	ND<10	ND<100	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<100	ND<10	ND<10	ND<10
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	3.5	1.8
	12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AS2	11/24/2014	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2015	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AS3	11/24/2014	31.00	ND<1.0	ND<1.0	41	ND<1.0	ND<1.0	1.2	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2016	ND<20	1.7	ND<1.0	ND<10	ND<1.0	ND<1.0	2.0	2.1	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF ADDITIONAL GROUNDWATER VOC CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Date Sampled	Acetone (ug/l)	Bromodichloro-methane (ug/l)	Bromoform (ug/l)	2-butanone (ug/l)	n-butyl-benzene (ug/l)	sec-Butyl-benzene (ug/l)	Chloroform (ug/l)	Dibromochloro-methane (ug/l)	Isopropyl-benzene (ug/l)	p-Isopropyl-toluene (ug/l)	Naphthalene (ug/l)	n-propyl-benzene (ug/l)	1,2,4-trimethyl-benzene (ug/l)	1,3,5-trimethyl-benzene (ug/l)
AS4	11/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AS5	11/24/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2015	ND<400	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2017	ND<50.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00	ND<1.00	ND<5.00	--	--	--	ND<5.00	ND<1.00	ND<1.00	ND<1.00
	08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AS6	11/24/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/14/2015	44	5.1	2.6	ND<10	ND<1.0	ND<1.0	6.0	6.1	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2017	ND<50.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00	ND<1.00	ND<5.00	--	--	--	ND<5.00	ND<1.00	ND<1.00	ND<1.00
	08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AS7	11/24/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2016	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2017	ND<50.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00	ND<1.00	ND<5.00	--	--	--	ND<5.00	ND<1.00	ND<1.00	ND<1.00
	08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF ADDITIONAL GROUNDWATER VOC CHEMICAL ANALYSIS RESULTS
ALAMO CAR WASH
784 N. NOGALES STREET
WALNUT, CALIFORNIA
(concentrations reported in micrograms per liter)

Well No.	Date Sampled	Acetone (ug/l)	Bromodichloro-methane (ug/l)	Bromoform (ug/l)	2-butanone (ug/l)	n-butyl-benzene (ug/l)	sec-Butyl-benzene (ug/l)	Chloroform (ug/l)	Dibromochloro-methane (ug/l)	Isopropyl-benzene (ug/l)	p-Isopropyl-toluene (ug/l)	Naphthalene (ug/l)	n-propyl-benzene (ug/l)	1,2,4-trimethyl-benzene (ug/l)	1,3,5-trimethyl-benzene (ug/l)
AS8	11/24/2014	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/12/2015	--	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/15/2016	ND<20	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2017	ND<50.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00	ND<1.00	ND<5.00	--	--	--	ND<5.00	0.527	4.32	1.28
	08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AS9	11/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/12/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/02/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/28/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
[1] Analyzed for VOCs in general accordance with EPA Method 8260B.
(ug/l) = micrograms per liter
ND<0.50 = Not Detected at or above the laboratory detection limit.
ft-msl = feet above mean sea level.
-- = not analyzed or not sampled

TABLE 3

Groundwater Monitoring Well Monitoring and Sampling Schedule

Quarter 3 2018 through Quarter 2 2019

Alamo Carwash

784 North Nogales Street

Walnut, California

Well ID	Monitoring Period			
	Actual Q3 2018	Actual Q4 2018	Proposed Q1 2019	Proposed Q2 2019
MW1	G,P,S	No Sampling	No Sampling	No Sampling
MW2	G,P,S	No Sampling	No Sampling	No Sampling
MW3	G,P,S	No Sampling	No Sampling	No Sampling
MW4	G,P,S	No Sampling	No Sampling	No Sampling
MW5	G,P,S	No Sampling	No Sampling	No Sampling
MW6	G,P,S	No Sampling	No Sampling	No Sampling
MW7	G,P,S	No Sampling	No Sampling	No Sampling
MW8	G,P,S	No Sampling	No Sampling	No Sampling
MW9	G,P,S	No Sampling	No Sampling	No Sampling
MW10	G,P,S	No Sampling	No Sampling	No Sampling
MW11	G,P,S	No Sampling	No Sampling	No Sampling
MW12	G,P,S	No Sampling	No Sampling	No Sampling
MW13	G,P,S	No Sampling	No Sampling	No Sampling
AS1	--	No Sampling	No Sampling	No Sampling
AS2	--	No Sampling	No Sampling	No Sampling
AS3	--	No Sampling	No Sampling	No Sampling
AS4	--	No Sampling	No Sampling	No Sampling
AS5	G	No Sampling	No Sampling	No Sampling
AS6	G	No Sampling	No Sampling	No Sampling
AS7	G	No Sampling	No Sampling	No Sampling
AS8	G	No Sampling	No Sampling	No Sampling
AS9	--	No Sampling	No Sampling	No Sampling

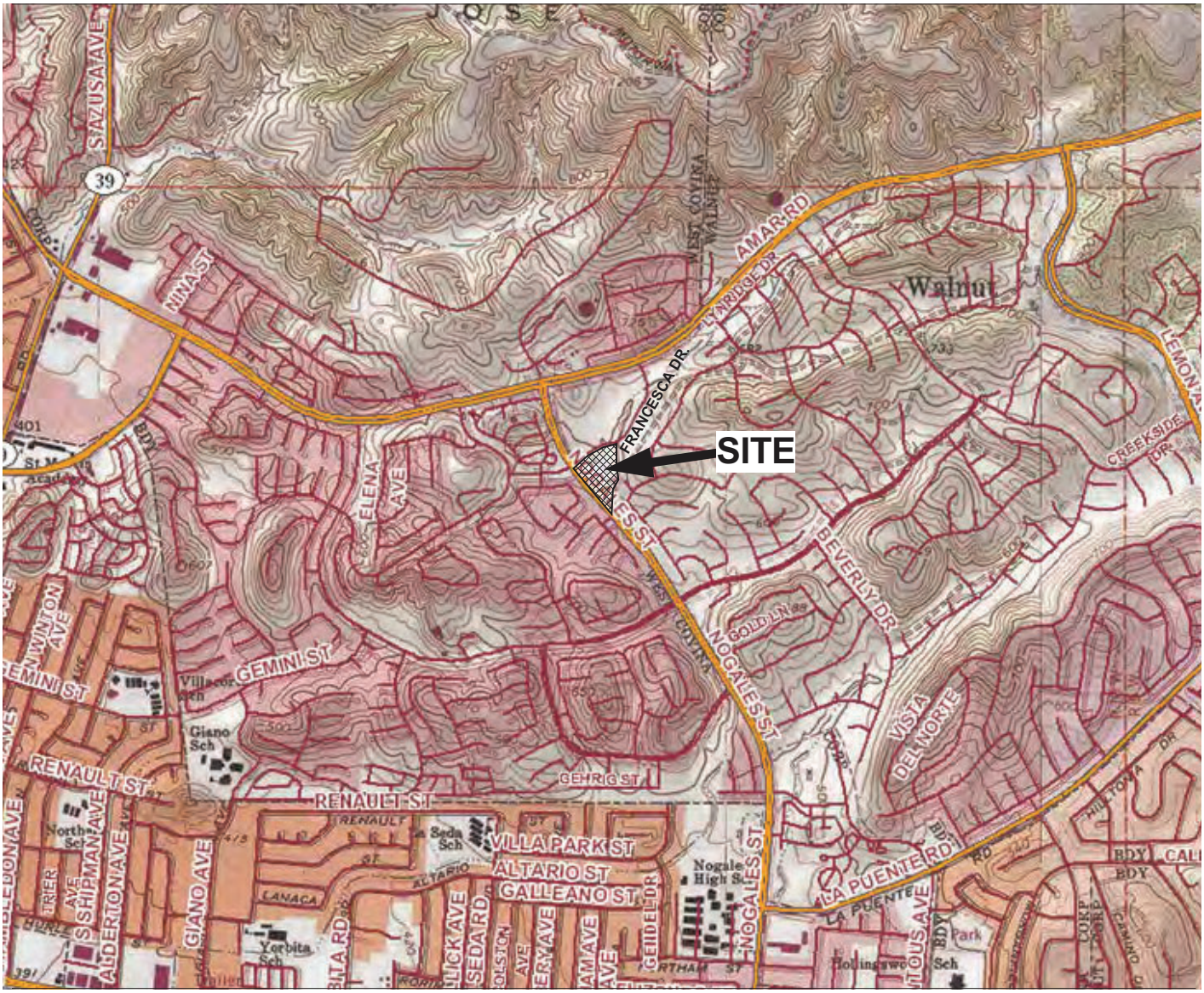
NOTES:

G = Gauge Well

P = Purge Well

S = Sample well for TPHg, Full Scan VOC's including BTEX, fuel oxygenates and ethanol, and take field readings for temperature, pH and conductivity.

FIGURES



NORTH

0 1/2 1

SCALE IN MILES

ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Client: **GERSTNER** Project No.: **159-11**

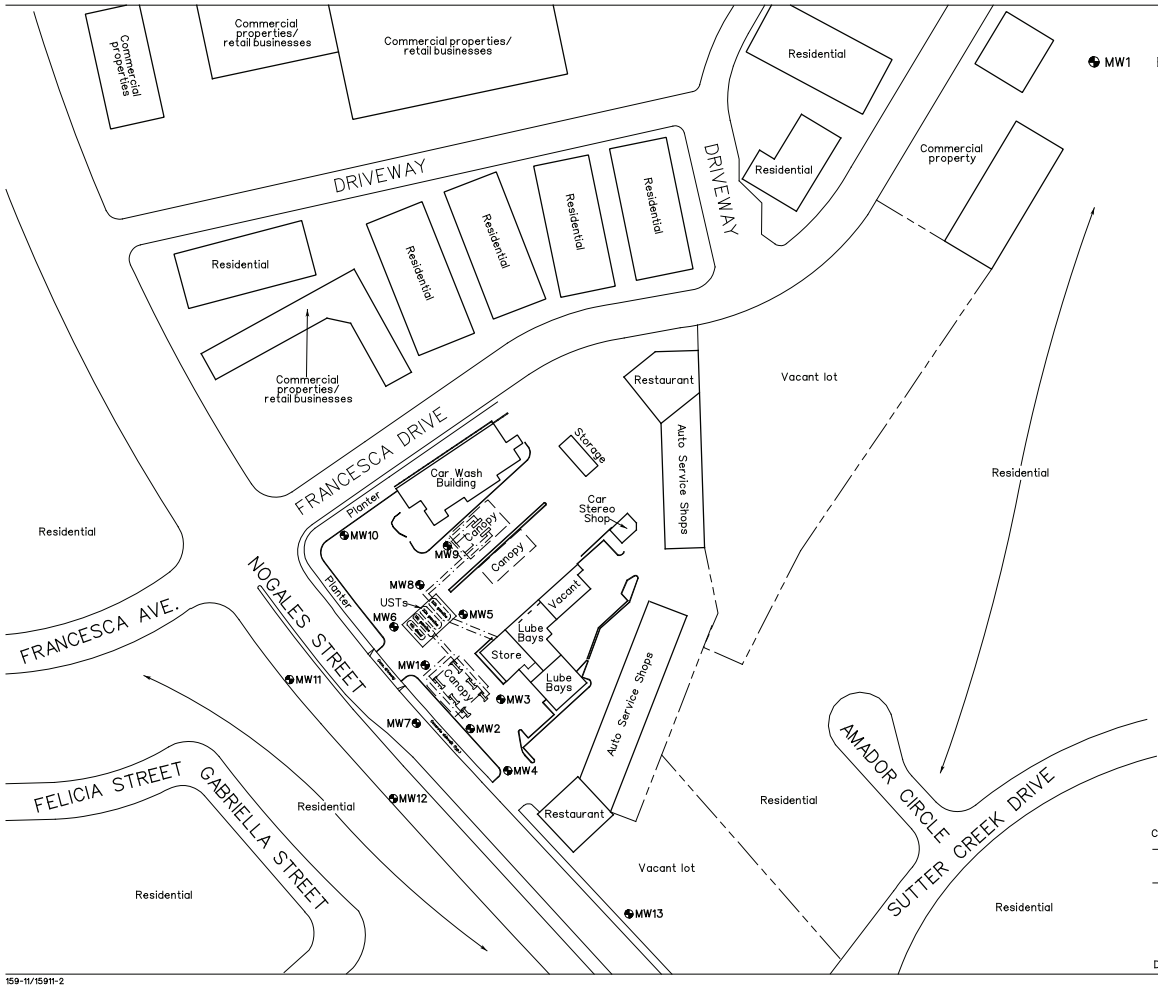
FREY ENVIRONMENTAL, INC.

NOTE:

1) All locations and dimensions are approximate.
2) Base map from USGS 7.5 minute Baldwin Park (1978, photorevised 1981), California topographic quadrangle.

SITE LOCATION MAP

Date: **JUNE 2010** Figure: **1**



EXPLANATION

MW1 EXISTING GROUNDWATER MONITORING WELL LOCATION

NOTES:

1) All locations and dimensions are approximate.
2) Base map from plan provided by Competrol, survey from RdM Surveying Inc. dated 11-04-05, and Assessor's Parcel Map County of Los Angeles (book 8735, sheet 26).
3) Groundwater monitoring well locations were surveyed by RdM Surveying Inc. on 11/04/2005, 02/02/2007, 09/07/2007, 11/15/2007, and 05/05/2010.

NORTH

0 100 200

SCALE IN FEET

ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

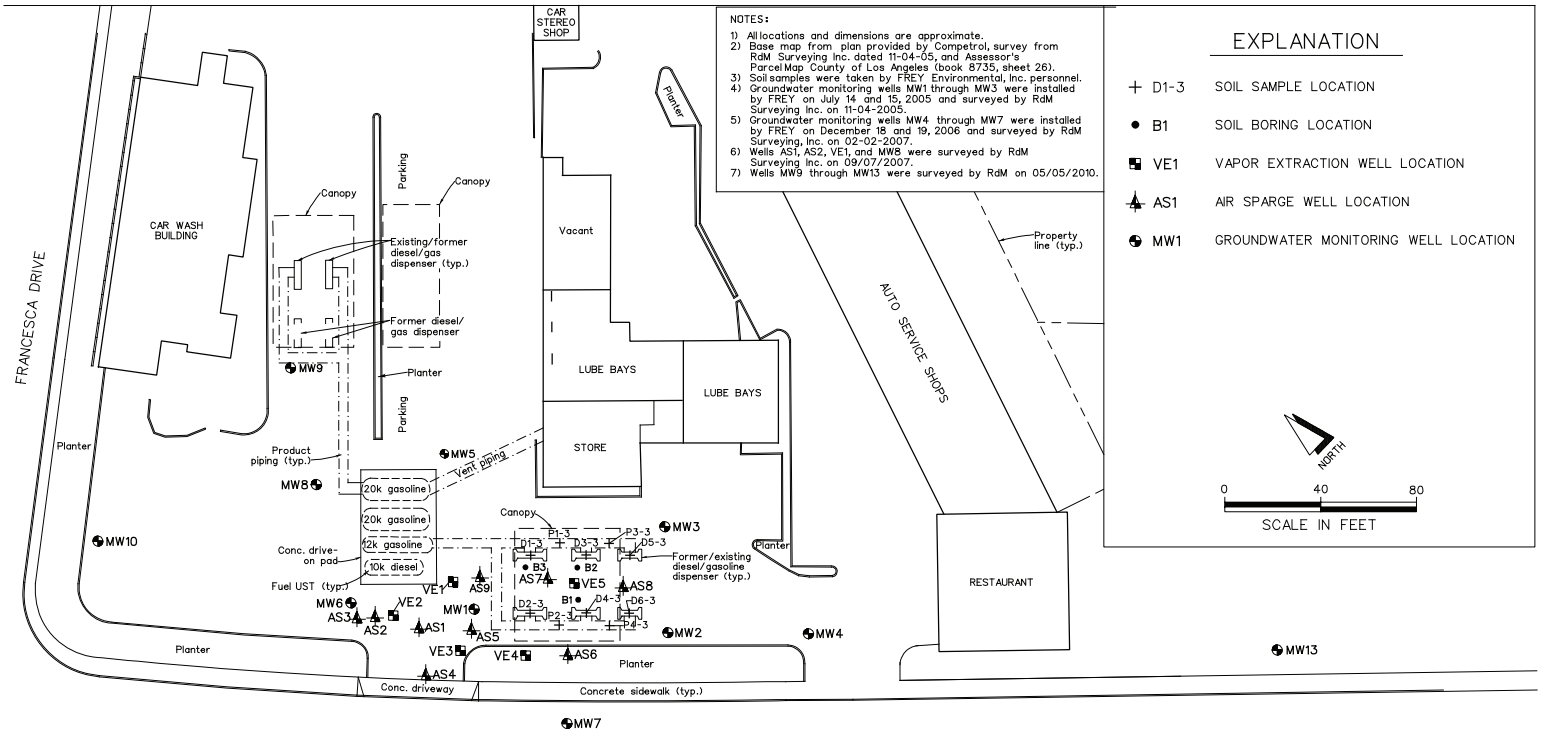
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE VICINITY SKETCH
SHOWING GROUNDWATER MONITORING
WELL LOCATIONS

Date: JUNE 2010 Figure 2

159-11/15911-2



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

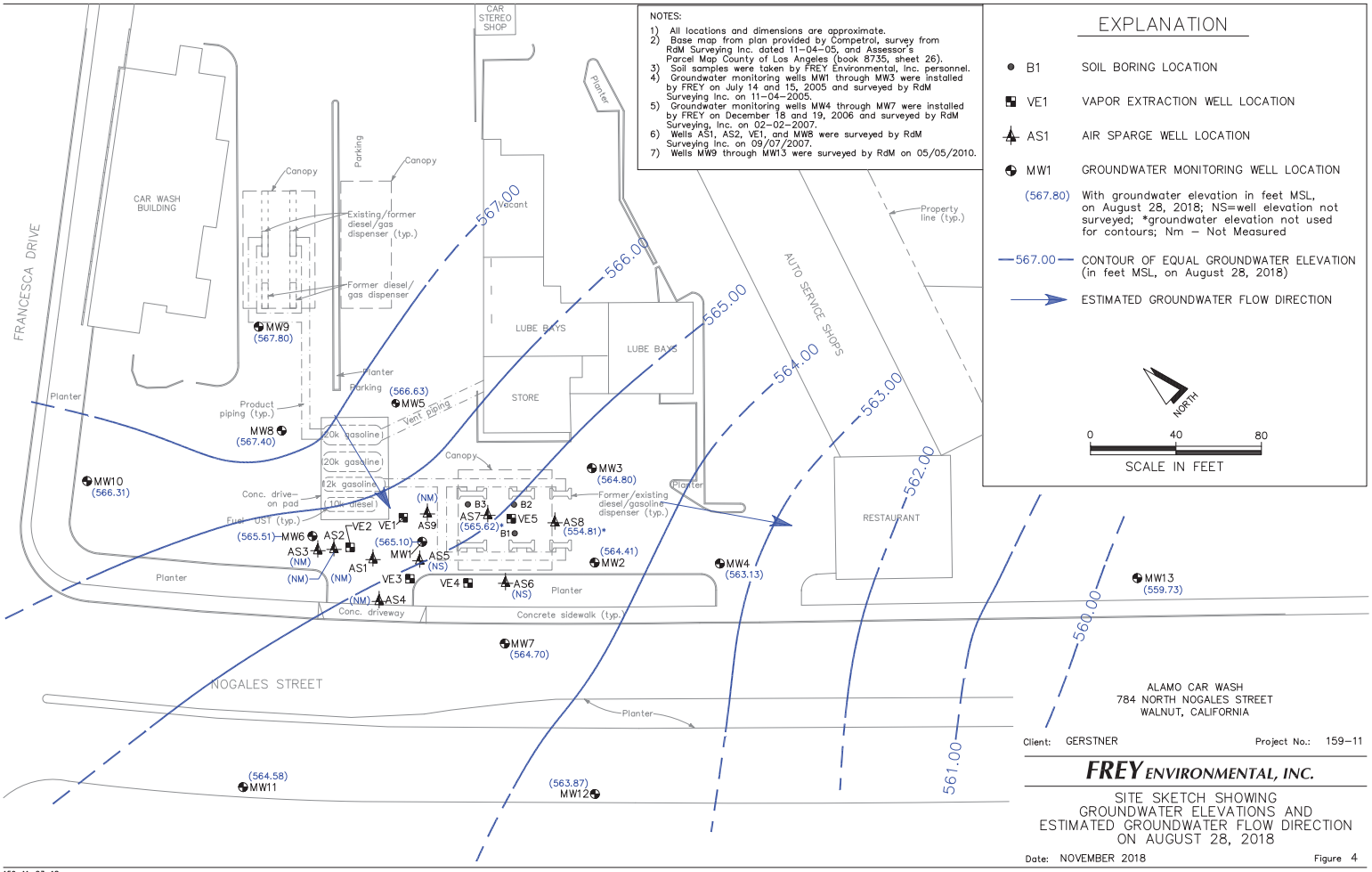
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING
SOIL SAMPLE, SOIL BORING, AIR SPARGE WELL, VAPOR EXTRACTION WELL, AND GROUNDWATER MONITORING WELL LOCATIONS

Date: JUNE 2010 Figure 3

159-11/15911-40



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

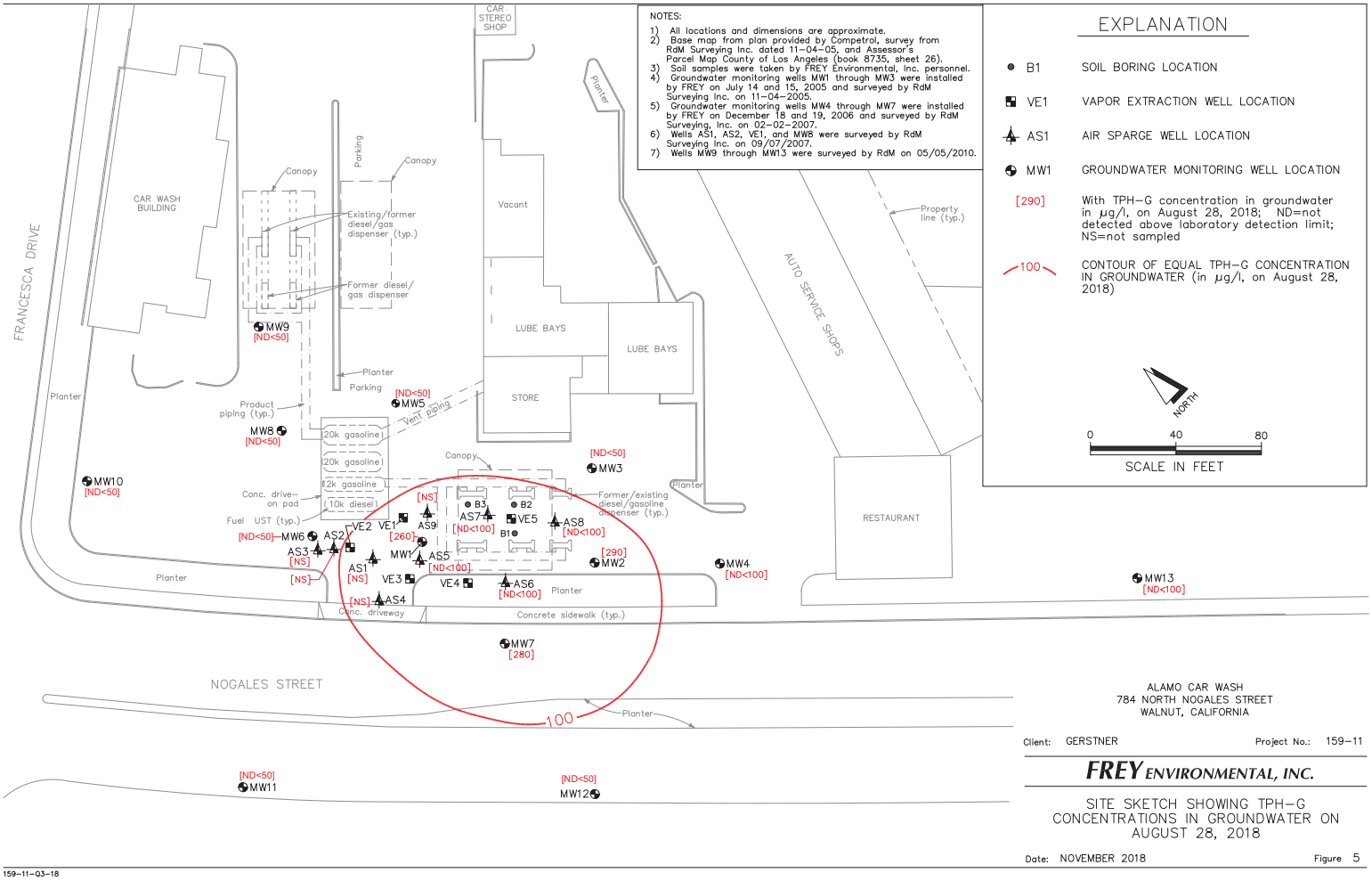
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING
GROUNDWATER ELEVATIONS AND
ESTIMATED GROUNDWATER FLOW DIRECTION
ON AUGUST 28, 2018

Date: NOVEMBER 2018 Figure 4

159-11-03-18



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

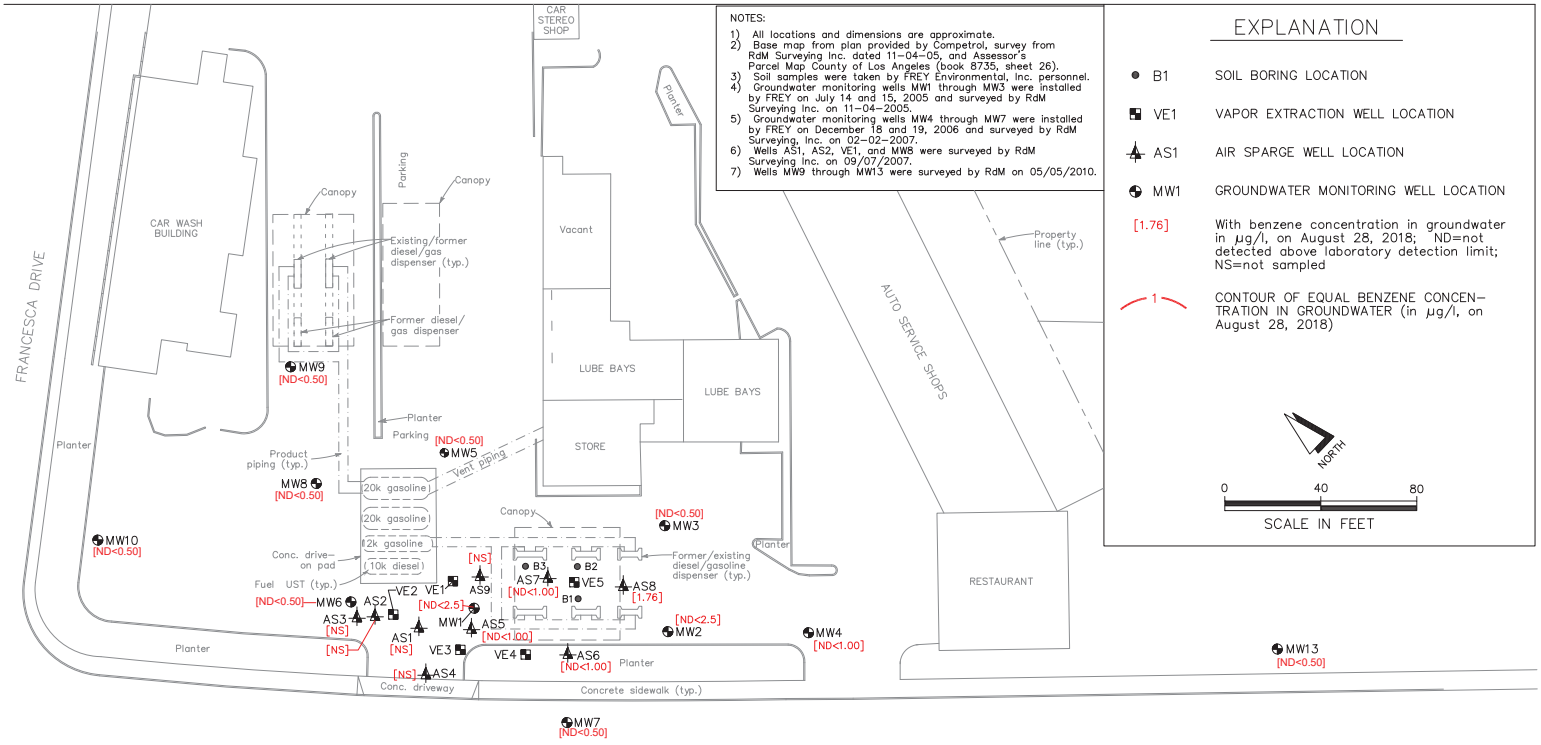
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING TPH-G CONCENTRATIONS IN GROUNDWATER ON AUGUST 28, 2018

Date: NOVEMBER 2018 Figure 5

159-11-03-18



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

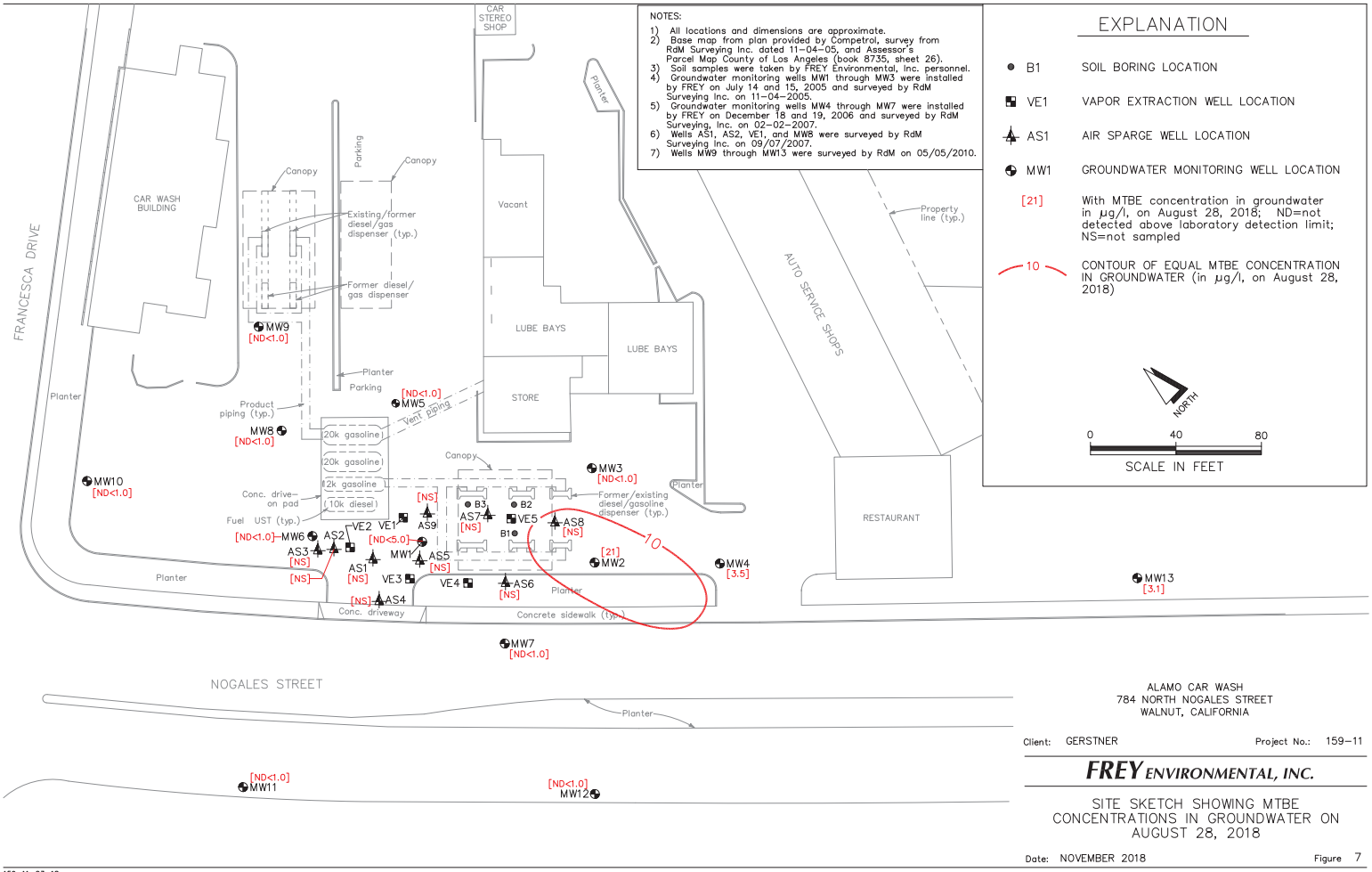
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING BENZENE CONCENTRATIONS IN GROUNDWATER ON AUGUST 28, 2018

Date: NOVEMBER 2018 Figure 6

159-11-03-18



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

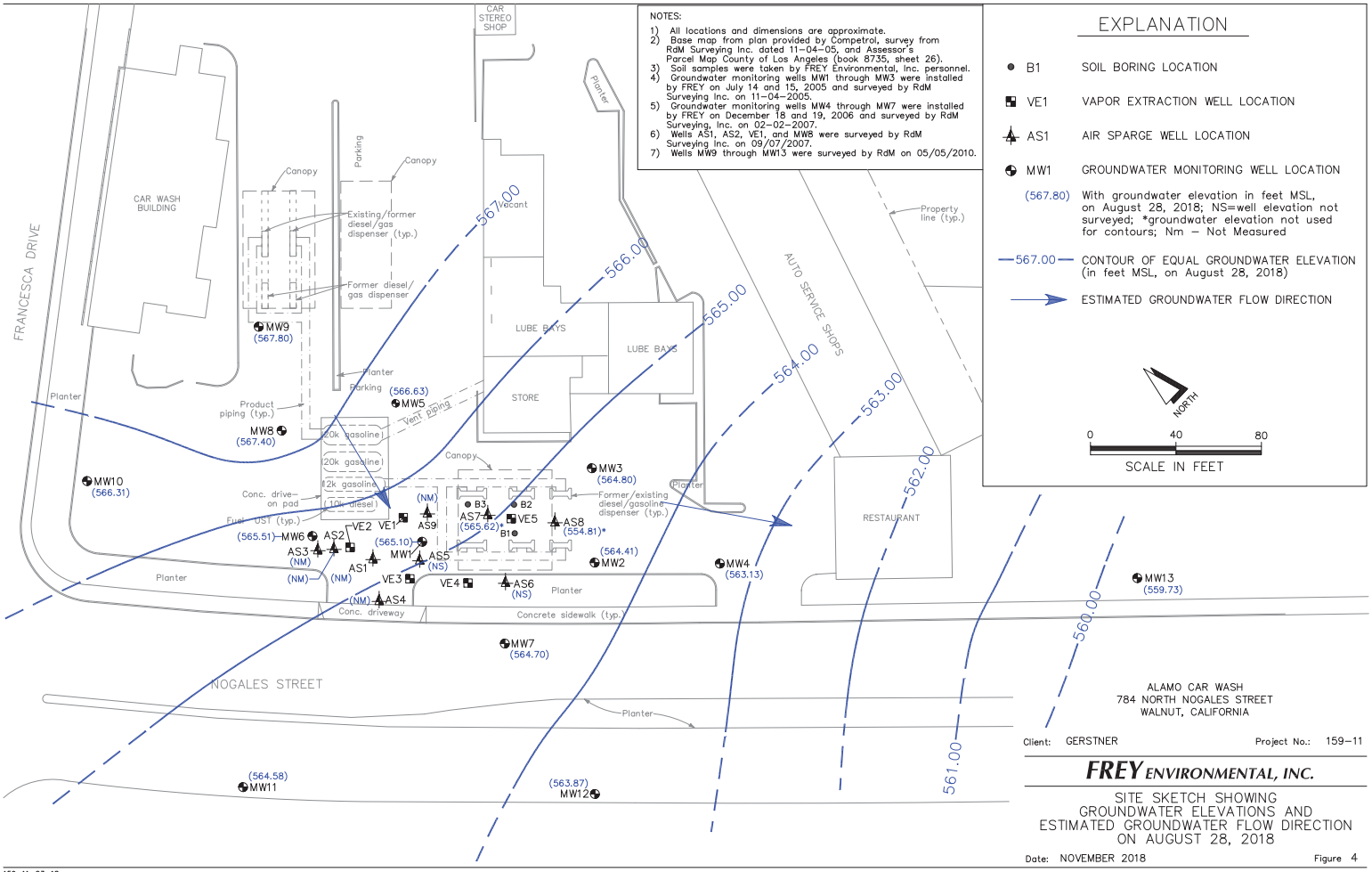
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING MTBE CONCENTRATIONS IN GROUNDWATER ON AUGUST 28, 2018

Date: NOVEMBER 2018 Figure 7

159-11-03-18



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

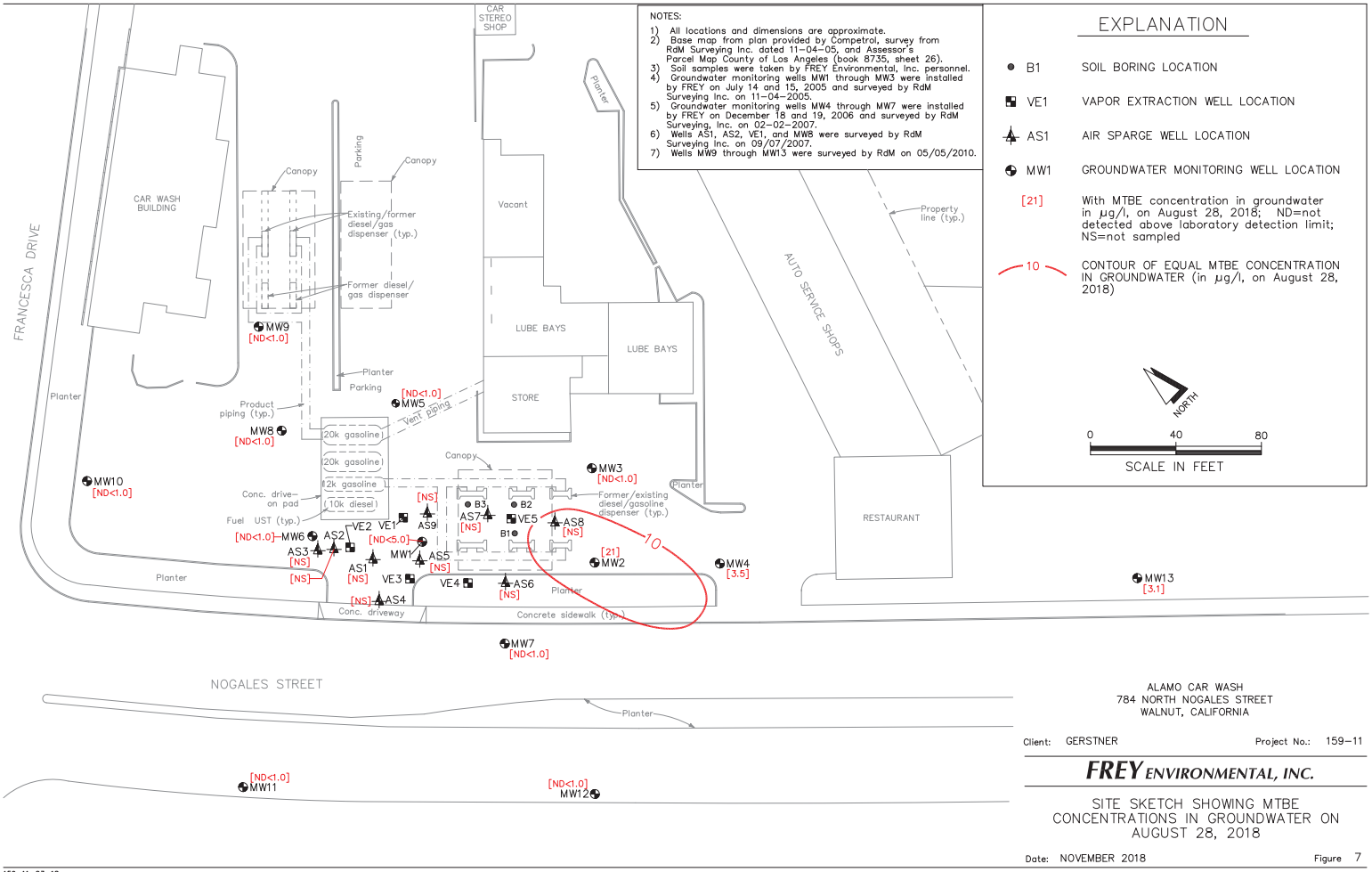
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING
GROUNDWATER ELEVATIONS AND
ESTIMATED GROUNDWATER FLOW DIRECTION
ON AUGUST 28, 2018

Date: NOVEMBER 2018 Figure 4

159-11-03-18



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

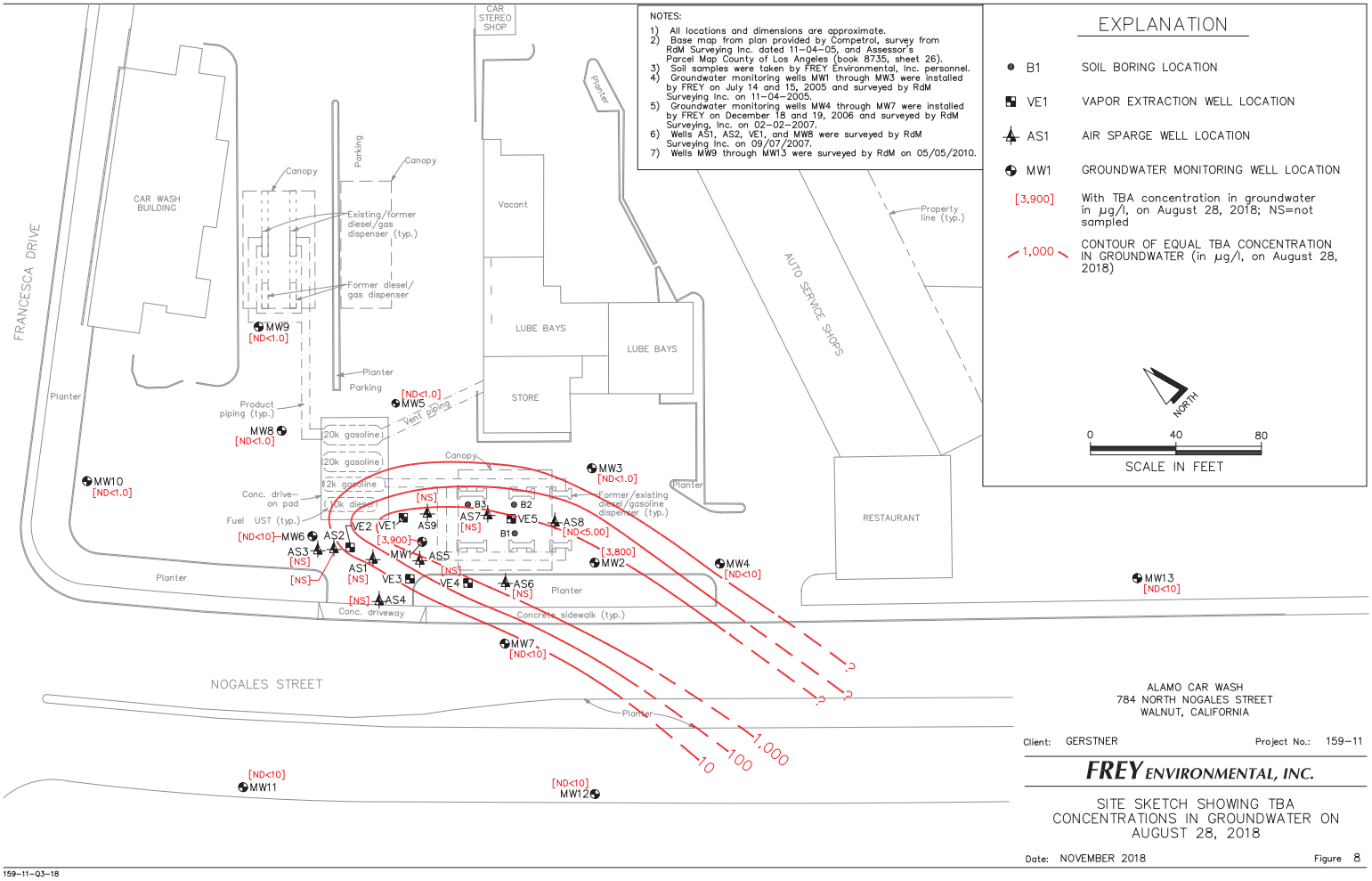
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING MTBE CONCENTRATIONS IN GROUNDWATER ON AUGUST 28, 2018

Date: NOVEMBER 2018 Figure 7

159-11-03-18



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

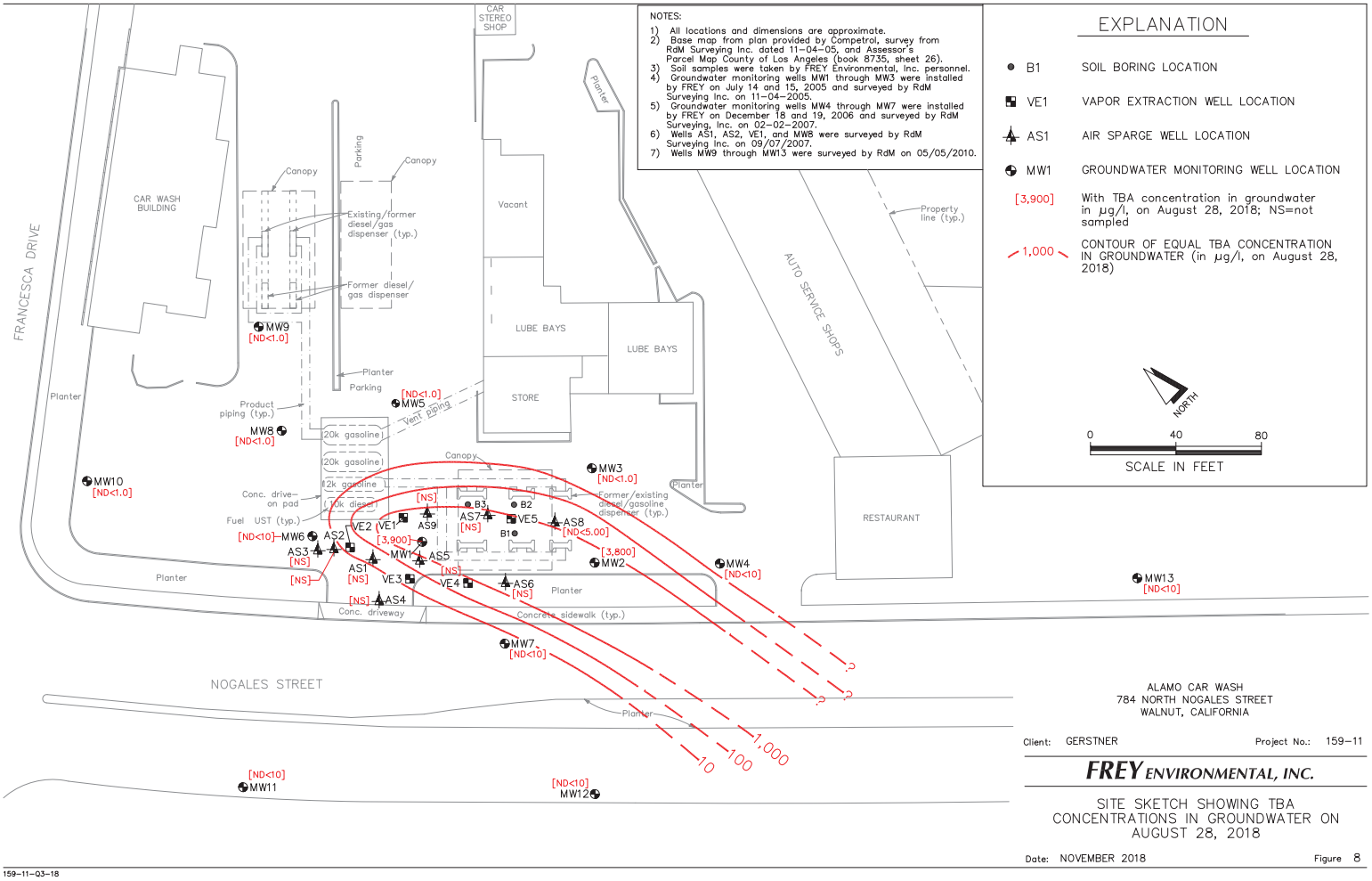
Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING TBA CONCENTRATIONS IN GROUNDWATER ON AUGUST 28, 2018

Date: NOVEMBER 2018 Figure 8

159-11-03-18



ALAMO CAR WASH
784 NORTH NOGALES STREET
WALNUT, CALIFORNIA

Client: GERSTNER Project No.: 159-11

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING TBA CONCENTRATIONS IN GROUNDWATER ON AUGUST 28, 2018

Date: NOVEMBER 2018 Figure 8

159-11-03-18

APPENDIX A

FIELD PROCEDURES AND GROUNDWATER SAMPLING DATA FORMS

WELL PURGING AND GROUNDWATER SAMPLING PROCEDURES

1. Prior to purging groundwater monitoring wells, the well head condition is inspected for evidence of tampering or damage.

2. Prior to purging the wells, the water level in the well is recorded using a conductance probe. In addition, a clear bailer sample is taken and visually inspected for turbidity and the presence of free product.

3. Groundwater monitoring wells are generally purged of at least twice the water content of the casing and filter pack, or five well casing volumes, whichever is the greater volume. The following techniques can be employed for well purging:

   A) A bailer:
   A bailer with diameter slightly less than the casing internal diameter, is lowered into the well. After the bailer has been completely immersed in the ground water, it is retracted. The process is repeated until purging of the well is accomplished.

   B) A stainless steel submersible pump:
   A stainless steel submersible pump is lowered into the well. Pumping episodes are repeated until complete purging of the well is accomplished. The pump is then removed from the well.

   C) A dedicated "in-well" pump or product skimmer:
   At some locations, a dedicated in well pump may have been installed in the monitoring well. In such instances, the pump is turned on upon arrival at the site. Pumping episodes are repeated until purging of the well is accomplished. The dedicated pump remains in the well after the well purging is complete.

4. The wells are generally allowed to recover to 80% of their original volume, or for a maximum period of 3 hours.

5. Any free product is purged from the monitoring wells prior to undertaking sampling procedures.

6. The ground water samples are collected using a stainless steel bailer or disposable Teflon bailer held by dedicated nylon line.

7. The water level and depth to the bottom of the well are measured using a conductance probe and a fiber measuring tape.

8. All items entering the well; tapes, conductance probe, bailers are cleaned prior to use and between sampling periods.

9. Three samples are collected from each monitoring well and placed into EPA approved, zero head space, 40 mL vials.

10. Each sample is labeled.

11. The samples are placed in a bag, and into an ice chest, and cooled following collection.

12. The samples are delivered to the laboratory following collection. Sample handling, transport, and delivery to the laboratory are documented using chain of custody procedures and appropriate Chain-of-Custody forms.

13. Any additional samples may be used for field analysis; pH, D.O., temperature, conductivity, and TDS

14. Groundwater purged from the monitoring wells during groundwater sampling is stored at the site in DOT approved 55 gallon drums, and labeled.

4 of 6

GROUNDWATER WELL MONITORING DATA

PROJECT NAME: Alamo Carwash
PROJECT NO.: 159-11
Measuring Device: Solinst
Measuring Point: TOC
Field Tech.: Jose Valdivia

Well Number	Date	Time	Water Depth (feet)	Product Depth (feet)	Product Thickness (feet)	Well Depth (feet)	Total Gallons Removed	Gallons Product Removed	D.O. Reading (mg/l)	O.R.P. Reading (mV)	Wellhead OK? (y/n) (Note Issues)	Comments
MW11	2/25/15	7:29	18.90			30.50						
MW12		7:44	15.85			30.55						
MW13		8:11	17.24			30.05						
MW5		6:45	16.30			39.32						
MW8		6:49	18.80			40.05						
MW9		6:52	17.98			30.35						
MW10		6:56	19.72			29.80						
MW3		6:59	17.55			41.35						
MW4		7:00	16.34			39.85						
MW7		7:02	16.15			39.65						
MW6		7:04	18.19			38.35						
AS8		7:10	17.50									
AS6		7:12	18.05									
AS7		7:16	16.24									
AS5		7:18	17.85									
MW1		7:20	17.35			39.55						
MW2		7:23	16.95			36.70						

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Alamo Car Wash TASK NUMBER 16 DATE MONITORED 8/28/18 DATE SAMPLED 8/28/18

JOB NO. 159-11 QUARTER 3 SAMPLING PERSONNEL Jose x Vitelio

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW-1	4"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
17.35	39.55	22.2	

WELLBOX INSPECTION	BOLTS NEEDED Y / N / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS:

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
10:37								
10:38	01	6	6.03	77.0	2019	1240		Start Pump
10:41	04	24	6.05	76.2	1975	1231		Cloudy H2O
10:42	05	30	6.12	75.7	2003	1238		
10:47								Low Flow, wait 5 min
10:49	08	42	6.06	75.9	2010	1240		Low Flow, Stop Pump
12:10			6.08	75.3	2003	1241		Sample
TOTAL GALLONS PURGED		42						

PURGE METHOD Electric Pump	PUMP INTAKE DEPTH (FT) 39.55	PURGE PUMPING RATE (GPM) 6
MAXIMUM PURGE DEPTH (FT) 39.55	SAMPLE DEPTH (FT) 18.65	

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA
Turbidity Meter	N/A
Pump (Dia./Type)	4" / 2" ELECTRIC GRUNDFOS
Water Level Meter	SOLINST
Bailer (Dia.x length)	1.66" x 36" STEEL BAILER

SAMPLE NUMBER	# BOTTLES
MW 1	3

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (22.2 Ft) x (0.65) = 14.43 Gallons

x3 (3 Well Volumes) = 43.29 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Alamo Car Wash TASK NUMBER 16 DATE MONITORED 8/28/18 DATE SAMPLED 8/29/18

JOB NO. 159-11 QUARTER 3 SAMPLING PERSONNEL Jose x Vitelio

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW 2	4"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
16.98	36.70	19.72	

WELLBOX INSPECTION	BOLTS NEEDED Y / (N) / #	WELLBOX INTACT (Y) / N	SLAB INTACT (Y) / N	WELL CAP INTACT (Y) / N	COMMENTS:

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
10:54								Start Pump
10:55	01	06	6.09	76.8	2035	1261		Cloudy H2O
10:50	04	24	5.93	76.9	2047	1269		Cloudy H2O
11:01	07	38	6.25	76.5	2036	1263		Low Flow, Stop pump
12:16			6.10	77.0	1992	1290		Sample
TOTAL GALLONS PURGED		38						

PURGE METHOD Electric Pump	PUMP INTAKE DEPTH (FT) 36.70	PURGE PUMPING RATE (GPM) 6
MAXIMUM PURGE DEPTH (FT) 36.70	SAMPLE DEPTH (FT) 17.65	

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA
Turbidity Meter	N/A
Pump (Dia./Type)	4" / 2" ELECTRIC GRUNDFOS
Water Level Meter	SOLINST
Bailer (Dia.x length)	1.66" x 36" STEEL BAILER

SAMPLE NUMBER	# BOTTLES
MW 2	3

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (19.72 Ft) x (0.65) = 12.81 Gallons

x3 (3 Well Volumes) = 38.45 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Alamo Car Wash TASK NUMBER 16 DATE MONITORED 8/24/18 DATE SAMPLED 8/24/18

JOB NO. 159-11 QUARTER 3 SAMPLING PERSONNEL Jose x Vitelio

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW 3	4"	TOC	0
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
17.55	41.35	23.8	

WELLBOX INSPECTION	BOLTS NEEDED Y / N / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS:
		Y	Y	Y	

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
9:37								Start Pump
9:38	01	6	6.29	75.4	2185	1252		Cloudy H2O
9:40	03	18	6.59	76.1	1959	1209		
9:42	05	35	6.26	76.8	1920	1190		Cloudy H2O
9:45	08	44	6.26	76.3	1923	1194		Low Flow.
								Stop Pump
11:50			6.40	76.8	1936	1218		Sample
TOTAL GALLONS PURGED		44						

PURGE METHOD Electric Pump	PUMP INTAKE DEPTH (FT) 41.35	PURGE PUMPING RATE (GPM) 6
MAXIMUM PURGE DEPTH (FT) 41.35	SAMPLE DEPTH (FT) 17.95	

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA
Turbidity Meter	N/A
Pump (Dia./Type)	4" / 2" ELECTRIC GRUNDFOS
Water Level Meter	SOLINST
Bailer (Dia.x length)	1.66" x 36" STEEL BAILER

SAMPLE NUMBER	# BOTTLES
MW 3	3

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (23.8 Ft) x (0.65) = 15.47 Gallons

x3 (3 Well Volumes) = 46.41 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

FREY ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA

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SITE NAME Alamo Car Wash TASK NUMBER 16 DATE MONITORED 8/28/18 DATE SAMPLED 8/28/18

JOB NO. 159-11 QUARTER 3 SAMPLING PERSONNEL Jose x Vitelio

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW 4	4"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
16.34	39.85	23.51	

WELLBOX INSPECTION	BOLTS NEEDED Y / N / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS:

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
9:49								
9:50	01	6	6.64	77.0	2039	1262		Start Pump
9:51	02	12	6.14	76.9	2040	1273		Cloudy H2O
9:54	05	30	6.07	77.4	2031	1262		
10:00								Low Flow, wait 6min
10:03	08	44	6.10	77.9	2035	1260		Low Flow,
								Stop Pump
11:56			6.11	77.7	2019	1251		Sample
TOTAL GALLONS PURGED		44						

PURGE METHOD Electric Pump	PUMP INTAKE DEPTH (FT) 39.85	PURGE PUMPING RATE (GPM) 6
MAXIMUM PURGE DEPTH (FT) 39.85	SAMPLE DEPTH (FT) 16.90	

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA
Turbidity Meter	N/A
Pump (Dia./Type)	4" / 2" ELECTRIC GRUNDFOS
Water Level Meter	SOLINST
Bailer (Dia.x length)	1.65" x 36" STEEL BAILER

SAMPLE NUMBER	# BOTTLES
MW 4	3

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: 23.51 Ft) x (0.65) = 15.28 Gallons

x3 (3 Well Volumes) = 45.84 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

GROUNDWATER SAMPLING DATA

Page ___ of ___

SITE NAME Alamo Car Wash TASK NUMBER 16 DATE MONITORED 8/28/18 DATE SAMPLED 8/28/18

JOB NO. 159-11 QUARTER 3 SAMPLING PERSONNEL Jose x Vitelic

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW 5	4"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
16.30	39.32	23.02	

WELLBOX INSPECTION	BOLTS NEEDED Y / N / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS:
		Y	Y	Y	

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
8:35								
8:36	01	6	6.29	73.8	1996	1223		Start pump
8:37	02	13	6.29	74.5	1942	1199		Cloudy H_2O
8:38	02	19	6.30	75.4	1928	1192		Clair H_2O
8:43	08	46	6.40	75.4	1899	1175		Stop Pump
11:30			6.29	75.0	1942	1195		Sample
TOTAL GALLONS PURGED		46						

PURGE METHOD Electric Pump	PUMP INTAKE DEPTH (FT) 29.32	PURGE PUMPING RATE (GPM) 6
MAXIMUM PURGE DEPTH (FT) 33.10	SAMPLE DEPTH (FT) 16.55	

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA
Turbidity Meter	N/A
Pump (Dia./Type)	4" / 2" ELECTRIC GRUNDFOS
Water Level Meter	SOLINST
Bailer (Dia.x length)	1.66" x 36" STEEL BAILER

SAMPLE NUMBER	# BOTTLES
MW5	3

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (23.02 Ft) x (0.65) = 14.96 Gallons

x3 (3 Well Volumes) = 44.88 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

GROUNDWATER SAMPLING DATA

SITE NAME Alamo Car Wash TASK NUMBER 16 DATE MONITORED 8/28/18 DATE SAMPLED 8/28/18

JOB NO. 159-11 QUARTER 3 SAMPLING PERSONNEL Jose & Vitelio

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW 6	4"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
18.17	38.35	20.18	

WELLBOX INSPECTION	BOLTS NEEDED Y / (N) / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS:
		Y / N	Y / N	Y / N	

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
10:19								
10:20	01	6	6.30	78.0	2318	1425		Start pump
10:22	03	18	6.30	77.0	2288	1428		Clair H2O
10:27								Low Flow, wait 5 Min
10:31	07	38	6.35	79.1	2319	1441		Low Flow, stop pump
12:05			6.70	76.9	2224	1380		Sample
TOTAL GALLONS PURGED		38						

PURGE METHOD Electric Pump	PUMP INTAKE DEPTH (FT) 38.35	PURGE PUMPING RATE (GPM) 6
MAXIMUM PURGE DEPTH (FT) 38.35	SAMPLE DEPTH (FT) 18.50	

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA
Turbidity Meter	N/A
Pump (Dia./Type)	4" / 2" ELECTRIC GRUNDFOS
Water Level Meter	SOLINST
Bailer (Dia.x length)	1.66" x 36" STEEL BAILER

SAMPLE NUMBER	# BOTTLES
MW 6	3

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (20.18 Ft) x (0.65) = 13.11 Gallons

x3 (3 Well Volumes) = 39.35 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

GROUNDWATER SAMPLING DATA

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SITE NAME Alamo Car Wash TASK NUMBER 16 DATE MONITORED 8/28/18 DATE SAMPLED 8/29/18

JOB NO. 159-11 QUARTER 3 SAMPLING PERSONNEL Jose & Vitelio

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW 7	4"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
16.15	39.65	23.5	

WELLBOX INSPECTION	BOLTS NEEDED Y / N / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS:
		Y	Y	Y	

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
11:05								Start pump
11:06	01	6	6.10	77.7	1906	1166		Cloudy H2O
11:10	05	30	6.06	76.0	1911	1190		
11:13	08	38	6.07	75.6	1915	1189		Low/low, stop pump
12:25			6.07	76.0	1910	1184		Sample
TOTAL GALLONS PURGED		38						

PURGE METHOD Electric Pump	PUMP INTAKE DEPTH (FT) 39.65	PURGE PUMPING RATE (GPM) 6
MAXIMUM PURGE DEPTH (FT) 39.65	SAMPLE DEPTH (FT) 16.60	

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA
Turbidity Meter	N/A
Pump (Dia./Type)	4" / 2" ELECTRIC GRUNDFOS
Water Level Meter	SOLINST
Bailer (Dia.x length)	1.66" x 36" STEEL BAILER

SAMPLE NUMBER	# BOTTLES
MW 7	3

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (23.5 Ft) x (0.65) = 15.27 Gallons

x3 (3 Well Volumes) = 45.82 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

GROUNDWATER SAMPLING DATA

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SITE NAME Alamo Car Wash TASK NUMBER 16 DATE MONITORED 8/28/18 DATE SAMPLED 8/28/18

JOB NO. 159-11 QUARTER 3 SAMPLING PERSONNEL Jose x Vitelio

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW 8	4"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
18.80	40.05	21.25	

WELLBOX INSPECTION	BOLTS NEEDED Y / N / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS:
	Y / N / #	Y / N	Y / N	Y / N	

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
8:46								
8:47	01	6	6.44	74.4	1861	1164		Start pump
8:49	03	18	6.30	75.1	1867	1155		Cloudy H2O
8:51	05	30	6.37	75.5	1893	1190		
8:56								Low flow,
8:59	08	42	6.30	75.5	1875	1147		Wait 5 min
								Low flow.
								Stop pump
11:35			6.47	74.4	1891	1168		Sample
TOTAL GALLONS PURGED		42						

PURGE METHOD Electric Pump	PUMP INTAKE DEPTH (FT) 40.05	PURGE PUMPING RATE (GPM) 6
MAXIMUM PURGE DEPTH (FT) 40.05	SAMPLE DEPTH (FT) 19.20	

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA
Turbidity Meter	N/A
Pump (Dia./Type)	4" / 2" ELECTRIC GRUNDFOS
Water Level Meter	SOLINST
Bailer (Dia.x length)	1.66" x 36" STEEL BAILER

SAMPLE NUMBER	# BOTTLES
MW 8	3

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: 21.25 Ft) x (0.65) = 13.81 Gallons

x3 (3 Well Volumes) = 41.43 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

GROUNDWATER SAMPLING DATA

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SITE NAME Alamo Car Wash TASK NUMBER 16 DATE MONITORED 8/28/18 DATE SAMPLED 8/28/18

JOB NO. 159-11 QUARTER 3 SAMPLING PERSONNEL Jose x Vitelio

WELL NUMBER	Well Diameter (ID) 4"	Reference Point	Product Depth
MW 9		TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
17.98	30.35	12.37	

WELLBOX INSPECTION	BOLTS NEEDED Y / N / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS:
		Y / N	Y / N	Y / N	

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
9:08								
9:09	01	6	6.47	75.8	1747	1053		Start pump
9:10	02	12	6.38	75.5	1743	1080		Cloudy H2O
9:15								Low flow,
9:17	04	24	6.12	76.2	1744	1079		Wait 5 min
								Low flow stop pump
11:39			6.44	74.5	1743	1077		Sample
TOTAL GALLONS PURGED		24						

PURGE METHOD Electric Pump	PUMP INTAKE DEPTH (FT) 30.35	PURGE PUMPING RATE (GPM) 6
MAXIMUM PURGE DEPTH (FT) 30.35	SAMPLE DEPTH (FT) 1830	

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA
Turbidity Meter	N/A
Pump (Dia./Type)	4" / 2" ELECTRIC GRUNDFOS
Water Level Meter	SOLINST
Bailer (Dia.x length)	1.66" x 36" STEEL BAILER

SAMPLE NUMBER	# BOTTLES
MW-9	3

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (12.37 Ft) x (0.65) = 8.041 Gallons

x3 (3 Well Volumes) = 24.12 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Alamo Car Wash TASK NUMBER 16 DATE MONITORED 8/28/18 DATE SAMPLED 8/29/18

JOB NO. 159-11 QUARTER 3, SAMPLING PERSONNEL Jose x Vitelio

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW 10	4"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
19.72	29.80	10.08	

WELLBOX INSPECTION	BOLTS NEEDED Y / (N) / #	WELLBOX INTACT (Y) / N	SLAB INTACT (Y) / N	WELL CAP INTACT (Y) / N	COMMENTS:

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
9:23								
9:24	01	6	6.06	75.7	1683	1029		Start pump, Low flow, wait 6 min
9:30								
9:38	03	15	6.03	77.4	1695	1083		Low flow, stop pump
10:45			6.01	76.1	1642	1052		Sample
TOTAL GALLONS PURGED		15						

PURGE METHOD Electric Pump	PUMP INTAKE DEPTH (FT) 29.80	PURGE PUMPING RATE (GPM) 6
MAXIMUM PURGE DEPTH (FT) 29.80	SAMPLE DEPTH (FT) 19.85	

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA
Turbidity Meter	N/A
Pump (Dia./Type)	4" / 2" ELECTRIC GRUNDFOS
Water Level Meter	SOLINST
Bailer (Dia.x length)	1.66" x 36" STEEL BAILER

SAMPLE NUMBER	# BOTTLES
MW 10	3

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (10.05 Ft) x (0.65) = 6.55 Gallons

x3 (3 Well Volumes) = 19.65 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

GROUNDWATER SAMPLING DATA

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SITE NAME Alamo Car Wash TASK NUMBER 16 DATE MONITORED 8/25/18 DATE SAMPLED 8/29/18

JOB NO. 159-11 QUARTER 3 SAMPLING PERSONNEL Jose x Vitelio

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW 11	4"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
18.90	30.50	11.6	

WELLBOX INSPECTION	BOLTS NEEDED Y / N / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS:
		Y	Y	Y	

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
7:31								
7:32	01	6	6.16	73.3	2069	1199		Start pump
7:33	02	12	6.13	73.3	1990	1178		Cloudy H2O
7:38								Low Flow.
7:40	04	24	5.93	73.7	1844	1199		wait 5 min
								Low Flow.
								Stop pump
8:00			5.94	73.8	1832	1126		Sample
TOTAL GALLONS PURGED		24						

PURGE METHOD Electric Pump	PUMP INTAKE DEPTH (FT) 30.50	PURGE PUMPING RATE (GPM) 6
MAXIMUM PURGE DEPTH (FT) 30.50	SAMPLE DEPTH (FT) 19.15	

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA
Turbidity Meter	N/A
Pump (Dia./Type)	4" / 2" ELECTRIC GRUNDFOS
Water Level Meter	SOLINST
Bailer (Dia.x length)	1.66" x 36" STEEL BAILER

SAMPLE NUMBER	# BOTTLES
MW 11	3

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: 11.6 Ft) x (0.65) = 7.54 Gallons

x3 (3 Well Volumes) = 22.62 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

FREY ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA

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SITE NAME Alamo Car Wash TASK NUMBER 16 DATE MONITORED 8/23/18 DATE SAMPLED 8/25/18

JOB NO. 159-11 QUARTER 3 SAMPLING PERSONNEL Jose & Vitelio

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW 12	4"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
15.85	30.55	14.7	

WELLBOX INSPECTION	BOLTS NEEDED Y / N / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS:
		Y	Y	Y	

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
7:46								
7:47	01	6	6.13	73.4	1803	1191		Start pump
7:48	02	12	6.00	73.7	1938	1238		Cloudy H2O
7:54								Low flow.
7:56	05	26	5.98	72.8	1925	1188		wait 10 min.
								Low flow. Stop pump
8:06			6.10	73.3	1925	1191		Sample
TOTAL GALLONS PURGED		26						

PURGE METHOD Electric Pump	PUMP INTAKE DEPTH (FT) 30.55	PURGE PUMPING RATE (GPM) 6
MAXIMUM PURGE DEPTH (FT) 30.55	SAMPLE DEPTH (FT) 16.95	

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA
Turbidity Meter	N/A
Pump (Dia./Type)	4" / 2" ELECTRIC GRUNDFOS
Water Level Meter	SOLINST
Bailer (Dia.x length)	1.66" x 36" STEEL BAILER

SAMPLE NUMBER	# BOTTLES
MW 12	3

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (14.7 Ft) x (0.65) = 9.55 Gallons

x3 (3 Well Volumes) = 28.66 Gallons

2-INCH WELL: (_____ Ft) x (0.16) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

GROUNDWATER SAMPLING DATA

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SITE NAME Alamo Car Wash TASK NUMBER 16 DATE MONITORED 8/28/18 DATE SAMPLED 8/28/18

JOB NO. 159-11 QUARTER 3 SAMPLING PERSONNEL Jose x Vitelio

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW 13	4"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
17.24	30.05	12.81	

WELLBOX INSPECTION	BOLTS NEEDED Y / N / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS:
	N	Y	Y	Y	

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
8:12								
8:13	01	6	6.03	72.8	1860	1151		Start pump
8:14	02	12	6.03	72.6	1869	1159		Cloudy H2O
8:19								Low Flow.
8:22	04	24	6.07	72.2	1868	1201		wait 5 Min
								Low Flow, Stop pump
8:28			6.31	72.4	1870	1160		Sample
TOTAL GALLONS PURGED		24						

PURGE METHOD Electric Pump	PUMP INTAKE DEPTH (FT) 30.05	PURGE PUMPING RATE (GPM) 6
MAXIMUM PURGE DEPTH (FT) 30.55	SAMPLE DEPTH (FT) 2055	

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	HANNA
Turbidity Meter	N/A
Pump (Dia./Type)	4" / 2" ELECTRIC GRUNDFOS
Water Level Meter	SOLINST
Bailer (Dia.x length)	1.65" x 36" STEEL BAILER

SAMPLE NUMBER	# BOTTLES
MW 13	3

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: 12.18 Ft) x (0.65) = 8.32 Gallons

x3 (3 Well Volumes) = 24.97 Gallons

2-INCH WELL: _____ Ft) x (0.16) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

APPENDIX B

LABORATORY REPORTS

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WORK ORDER NUMBER: 18-08-2446

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Frey Environmental, Inc.

Client Project Name: Alamo Car Wash / 159-11

Attention: Sawyer Jones
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Approved for release on 09/10/2018 by:
Stephen Nowak
Project Manager

ResultLink ▸

Email your PM ▸

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Contents

Client Project Name: Alamo Car Wash / 159-11
Work Order Number: 18-08-2446

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Work Order Narrative

Work Order: 18-08-2446 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/29/18. They were assigned to Work Order 18-08-2446.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

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Sample Summary

Client:	Frey Environmental, Inc. 2817-A Lafayette Avenue Newport Beach, CA 92663-3715	Work Order:	18-08-2446
		Project Name:	Alamo Car Wash / 159-11
		PO Number:	
		Date/Time Received:	08/29/18 12:30
		Number of Containers:	39
Attn:	Sawyer Jones		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
MW1	18-08-2446-1	08/28/18 12:10	3	Aqueous
MW2	18-08-2446-2	08/28/18 12:16	3	Aqueous
MW3	18-08-2446-3	08/28/18 11:50	3	Aqueous
MW4	18-08-2446-4	08/28/18 11:56	3	Aqueous
MW5	18-08-2446-5	08/28/18 11:30	3	Aqueous
MW6	18-08-2446-6	08/28/18 12:05	3	Aqueous
MW7	18-08-2446-7	08/28/18 12:25	3	Aqueous
MW8	18-08-2446-8	08/28/18 11:35	3	Aqueous
MW9	18-08-2446-9	08/28/18 11:39	3	Aqueous
MW10	18-08-2446-10	08/28/18 11:45	3	Aqueous
MW11	18-08-2446-11	08/28/18 08:00	3	Aqueous
MW12	18-08-2446-12	08/28/18 08:06	3	Aqueous
MW13	18-08-2446-13	08/28/18 08:28	3	Aqueous

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Detections Summary

Client:	Frey Environmental, Inc.	Work Order:	18-08-2446
	2817-A Lafayette Avenue	Project Name:	Alamo Car Wash / 159-11
	Newport Beach, CA 92663-3715	Received:	08/29/18
Attn:	Sawyer Jones		Page 1 of 1

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW1 (18-08-2446-1)						
Tert-Butyl Alcohol (TBA)	3900		50	ug/L	GC/MS / EPA 8260B	EPA 5030C
TPPH	260		250	ug/L	GC/MS / EPA 8260B	EPA 5030C
MW2 (18-08-2446-2)						
Methyl-t-Butyl Ether (MTBE)	21		5.0	ug/L	GC/MS / EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	3800		50	ug/L	GC/MS / EPA 8260B	EPA 5030C
TPPH	290		250	ug/L	GC/MS / EPA 8260B	EPA 5030C
MW4 (18-08-2446-4)						
Methyl-t-Butyl Ether (MTBE)	3.5		1.0	ug/L	GC/MS / EPA 8260B	EPA 5030C
MW7 (18-08-2446-7)						
n-Butylbenzene	1.1		1.0	ug/L	GC/MS / EPA 8260B	EPA 5030C
Isopropylbenzene	1.0		1.0	ug/L	GC/MS / EPA 8260B	EPA 5030C
n-Propylbenzene	5.8		1.0	ug/L	GC/MS / EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	16		1.0	ug/L	GC/MS / EPA 8260B	EPA 5030C
TPPH	280		50	ug/L	GC/MS / EPA 8260B	EPA 5030C
MW9 (18-08-2446-9)						
Chloroform	1.8		1.0	ug/L	GC/MS / EPA 8260B	EPA 5030C
MW13 (18-08-2446-13)						
Methyl-t-Butyl Ether (MTBE)	3.1		1.0	ug/L	GC/MS / EPA 8260B	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW1	**18-08-2446-1-C**	**08/28/18 12:10**	**Aqueous**	**GC/MS PP**	**09/05/18**	**09/05/18 23:13**	**180905L055**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	100	5.00	
Benzene	ND	2.5	5.00	
Bromobenzene	ND	5.0	5.00	
Bromochloromethane	ND	5.0	5.00	
Bromodichloromethane	ND	5.0	5.00	
Bromoform	ND	5.0	5.00	
Bromomethane	ND	50	5.00	
2-Butanone	ND	50	5.00	
n-Butylbenzene	ND	5.0	5.00	
sec-Butylbenzene	ND	5.0	5.00	
tert-Butylbenzene	ND	5.0	5.00	
Carbon Disulfide	ND	50	5.00	
Carbon Tetrachloride	ND	2.5	5.00	
Chlorobenzene	ND	5.0	5.00	
Chloroethane	ND	25	5.00	
Chloroform	ND	5.0	5.00	
Chloromethane	ND	50	5.00	
2-Chlorotoluene	ND	5.0	5.00	
4-Chlorotoluene	ND	5.0	5.00	
Dibromochloromethane	ND	5.0	5.00	
1,2-Dibromo-3-Chloropropane	ND	25	5.00	
1,2-Dibromoethane	ND	5.0	5.00	
Dibromomethane	ND	5.0	5.00	
1,2-Dichlorobenzene	ND	5.0	5.00	
1,3-Dichlorobenzene	ND	5.0	5.00	
1,4-Dichlorobenzene	ND	5.0	5.00	
Dichlorodifluoromethane	ND	5.0	5.00	
1,1-Dichloroethane	ND	5.0	5.00	
1,2-Dichloroethane	ND	2.5	5.00	
1,1-Dichloroethene	ND	5.0	5.00	
c-1,2-Dichloroethene	ND	5.0	5.00	
t-1,2-Dichloroethene	ND	5.0	5.00	
1,2-Dichloropropane	ND	5.0	5.00	
1,3-Dichloropropane	ND	5.0	5.00	
2,2-Dichloropropane	ND	5.0	5.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 2 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	5.00	
c-1,3-Dichloropropene	ND	2.5	5.00	
t-1,3-Dichloropropene	ND	2.5	5.00	
Ethylbenzene	ND	5.0	5.00	
2-Hexanone	ND	50	5.00	
Isopropylbenzene	ND	5.0	5.00	
p-Isopropyltoluene	ND	5.0	5.00	
Methylene Chloride	ND	50	5.00	
4-Methyl-2-Pentanone	ND	50	5.00	
Naphthalene	ND	50	5.00	
n-Propylbenzene	ND	5.0	5.00	
Styrene	ND	5.0	5.00	
1,1,1,2-Tetrachloroethane	ND	5.0	5.00	
1,1,2,2-Tetrachloroethane	ND	5.0	5.00	
Tetrachloroethene	ND	5.0	5.00	
Toluene	ND	5.0	5.00	
1,2,3-Trichlorobenzene	ND	5.0	5.00	
1,2,4-Trichlorobenzene	ND	5.0	5.00	
1,1,1-Trichloroethane	ND	5.0	5.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	5.00	
1,1,2-Trichloroethane	ND	5.0	5.00	
Trichloroethene	ND	5.0	5.00	
Trichlorofluoromethane	ND	50	5.00	
1,2,3-Trichloropropane	ND	25	5.00	
1,2,4-Trimethylbenzene	ND	5.0	5.00	
1,3,5-Trimethylbenzene	ND	5.0	5.00	
Vinyl Acetate	ND	50	5.00	
Vinyl Chloride	ND	2.5	5.00	
p/m-Xylene	ND	5.0	5.00	
o-Xylene	ND	5.0	5.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	5.00	
Tert-Butyl Alcohol (TBA)	3900	50	5.00	
Diisopropyl Ether (DIPE)	ND	10	5.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	5.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	5.00	
Ethanol	ND	500	5.00	
TPPH	260	250	5.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 3 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	91	75-135	
Toluene-d8	96	80-120	
Toluene-d8-TPPH	95	80-120	
1,4-Bromofluorobenzene	91	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW2	**18-08-2446-2-C**	**08/28/18 12:16**	**Aqueous**	**GC/MS PP**	**09/05/18**	**09/05/18 23:41**	**180905L055**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	100	5.00	
Benzene	ND	2.5	5.00	
Bromobenzene	ND	5.0	5.00	
Bromochloromethane	ND	5.0	5.00	
Bromodichloromethane	ND	5.0	5.00	
Bromoform	ND	5.0	5.00	
Bromomethane	ND	50	5.00	
2-Butanone	ND	50	5.00	
n-Butylbenzene	ND	5.0	5.00	
sec-Butylbenzene	ND	5.0	5.00	
tert-Butylbenzene	ND	5.0	5.00	
Carbon Disulfide	ND	50	5.00	
Carbon Tetrachloride	ND	2.5	5.00	
Chlorobenzene	ND	5.0	5.00	
Chloroethane	ND	25	5.00	
Chloroform	ND	5.0	5.00	
Chloromethane	ND	50	5.00	
2-Chlorotoluene	ND	5.0	5.00	
4-Chlorotoluene	ND	5.0	5.00	
Dibromochloromethane	ND	5.0	5.00	
1,2-Dibromo-3-Chloropropane	ND	25	5.00	
1,2-Dibromoethane	ND	5.0	5.00	
Dibromomethane	ND	5.0	5.00	
1,2-Dichlorobenzene	ND	5.0	5.00	
1,3-Dichlorobenzene	ND	5.0	5.00	
1,4-Dichlorobenzene	ND	5.0	5.00	
Dichlorodifluoromethane	ND	5.0	5.00	
1,1-Dichloroethane	ND	5.0	5.00	
1,2-Dichloroethane	ND	2.5	5.00	
1,1-Dichloroethene	ND	5.0	5.00	
c-1,2-Dichloroethene	ND	5.0	5.00	
t-1,2-Dichloroethene	ND	5.0	5.00	
1,2-Dichloropropane	ND	5.0	5.00	
1,3-Dichloropropane	ND	5.0	5.00	
2,2-Dichloropropane	ND	5.0	5.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 5 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	5.00	
c-1,3-Dichloropropene	ND	2.5	5.00	
t-1,3-Dichloropropene	ND	2.5	5.00	
Ethylbenzene	ND	5.0	5.00	
2-Hexanone	ND	50	5.00	
Isopropylbenzene	ND	5.0	5.00	
p-Isopropyltoluene	ND	5.0	5.00	
Methylene Chloride	ND	50	5.00	
4-Methyl-2-Pentanone	ND	50	5.00	
Naphthalene	ND	50	5.00	
n-Propylbenzene	ND	5.0	5.00	
Styrene	ND	5.0	5.00	
1,1,1,2-Tetrachloroethane	ND	5.0	5.00	
1,1,2,2-Tetrachloroethane	ND	5.0	5.00	
Tetrachloroethene	ND	5.0	5.00	
Toluene	ND	5.0	5.00	
1,2,3-Trichlorobenzene	ND	5.0	5.00	
1,2,4-Trichlorobenzene	ND	5.0	5.00	
1,1,1-Trichloroethane	ND	5.0	5.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	5.00	
1,1,2-Trichloroethane	ND	5.0	5.00	
Trichloroethene	ND	5.0	5.00	
Trichlorofluoromethane	ND	50	5.00	
1,2,3-Trichloropropane	ND	25	5.00	
1,2,4-Trimethylbenzene	ND	5.0	5.00	
1,3,5-Trimethylbenzene	ND	5.0	5.00	
Vinyl Acetate	ND	50	5.00	
Vinyl Chloride	ND	2.5	5.00	
p/m-Xylene	ND	5.0	5.00	
o-Xylene	ND	5.0	5.00	
Methyl-t-Butyl Ether (MTBE)	21	5.0	5.00	
Tert-Butyl Alcohol (TBA)	3800	50	5.00	
Diisopropyl Ether (DIPE)	ND	10	5.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	5.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	5.00	
Ethanol	ND	500	5.00	
TPPH	290	250	5.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 6 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	93	75-135	
Toluene-d8	97	80-120	
Toluene-d8-TPPH	95	80-120	
1,4-Bromofluorobenzene	91	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW3	**18-08-2446-3-A**	**08/28/18 11:50**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/04/18 22:41**	**180904L047**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 8 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	
TPPH	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 9 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	108	78-126	
1,2-Dichloroethane-d4	98	75-135	
Toluene-d8	96	80-120	
Toluene-d8-TPPH	95	80-120	
1,4-Bromofluorobenzene	89	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW4	**18-08-2446-4-A**	**08/28/18 11:56**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/04/18 23:09**	**180904L047**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 11 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	3.5	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	
TPPH	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 12 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	108	78-126	
1,2-Dichloroethane-d4	99	75-135	
Toluene-d8	97	80-120	
Toluene-d8-TPPH	95	80-120	
1,4-Bromofluorobenzene	89	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW5	**18-08-2446-5-A**	**08/28/18 11:30**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/04/18 23:36**	**180904L047**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 14 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	
TPPH	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 15 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	107	78-126	
1,2-Dichloroethane-d4	99	75-135	
Toluene-d8	97	80-120	
Toluene-d8-TPPH	96	80-120	
1,4-Bromofluorobenzene	89	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW6	**18-08-2446-6-A**	**08/28/18 12:05**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/05/18 00:04**	**180904L047**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 17 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	
TPPH	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 18 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	109	78-126	
1,2-Dichloroethane-d4	100	75-135	
Toluene-d8	97	80-120	
Toluene-d8-TPPH	95	80-120	
1,4-Bromofluorobenzene	89	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW7	**18-08-2446-7-A**	**08/28/18 12:25**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/05/18 00:32**	**180904L047**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	1.1	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 20 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	1.0	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	5.8	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	16	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	
TPPH	280	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 21 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	108	78-126	
1,2-Dichloroethane-d4	100	75-135	
Toluene-d8	98	80-120	
Toluene-d8-TPPH	96	80-120	
1,4-Bromofluorobenzene	91	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW8	**18-08-2446-8-A**	**08/28/18 11:35**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/05/18 00:59**	**180904L047**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 23 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	
TPPH	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 24 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	108	78-126	
1,2-Dichloroethane-d4	99	75-135	
Toluene-d8	96	80-120	
Toluene-d8-TPPH	95	80-120	
1,4-Bromofluorobenzene	88	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW9	**18-08-2446-9-A**	**08/28/18 11:39**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/05/18 01:27**	**180904L047**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	1.8	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 26 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	
TPPH	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 27 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	109	78-126	
1,2-Dichloroethane-d4	102	75-135	
Toluene-d8	96	80-120	
Toluene-d8-TPPH	95	80-120	
1,4-Bromofluorobenzene	88	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW10	**18-08-2446-10-A**	**08/28/18 11:45**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/05/18 01:54**	**180904L047**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 29 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	
TPPH	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 30 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	110	78-126	
1,2-Dichloroethane-d4	101	75-135	
Toluene-d8	96	80-120	
Toluene-d8-TPPH	95	80-120	
1,4-Bromofluorobenzene	88	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW11	**18-08-2446-11-A**	**08/28/18 08:00**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/05/18 02:22**	**180904L047**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 32 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	
TPPH	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 33 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	109	78-126	
1,2-Dichloroethane-d4	99	75-135	
Toluene-d8	97	80-120	
Toluene-d8-TPPH	96	80-120	
1,4-Bromofluorobenzene	89	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW12	**18-08-2446-12-A**	**08/28/18 08:06**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/05/18 02:49**	**180904L047**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 35 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	
TPPH	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 36 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	108	78-126	
1,2-Dichloroethane-d4	99	75-135	
Toluene-d8	98	80-120	
Toluene-d8-TPPH	96	80-120	
1,4-Bromofluorobenzene	89	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW13	**18-08-2446-13-A**	**08/28/18 08:28**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/05/18 03:17**	**180904L047**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 38 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	3.1	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	
TPPH	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 39 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	110	78-126	
1,2-Dichloroethane-d4	100	75-135	
Toluene-d8	96	80-120	
Toluene-d8-TPPH	95	80-120	
1,4-Bromofluorobenzene	88	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-8294**	**N/A**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/04/18 19:26**	**180904L047**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 41 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	
TPPH	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 42 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	96	75-135	
Toluene-d8	97	80-120	
Toluene-d8-TPPH	95	80-120	
1,4-Bromofluorobenzene	90	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/29/18
Work Order: 18-08-2446
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Project: Alamo Car Wash / 159-11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-8295**	**N/A**	**Aqueous**	**GC/MS PP**	**09/05/18**	**09/05/18 21:25**	**180905L055**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 44 of 45

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	
TPPH	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Frey Environmental, Inc.	Date Received:	08/29/18
2817-A Lafayette Avenue	Work Order:	18-08-2446
Newport Beach, CA 92663-3715	Preparation:	EPA 5030C
	Method:	GC/MS / EPA 8260B
	Units:	ug/L
Project: Alamo Car Wash / 159-11		Page 45 of 45

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	94	75-135	
Toluene-d8	96	80-120	
Toluene-d8-TPPH	95	80-120	
1,4-Bromofluorobenzene	90	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - LCS/LCSD

Frey Environmental, Inc.	Date Received: 08/29/18
2817-A Lafayette Avenue	Work Order: 18-08-2446
Newport Beach, CA 92663-3715	Preparation: EPA 5030C
	Method: GC/MS / EPA 8260B
Project: Alamo Car Wash / 159-11	Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-8294	**LCS**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/04/18 18:03**	**180904L047**
099-12-767-8294	**LCSD**	**Aqueous**	**GC/MS PP**	**09/04/18**	**09/04/18 18:31**	**180904L047**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	50.05	100	47.42	95	80-120	73-127	5	0-20	
Carbon Tetrachloride	50.00	48.30	97	46.17	92	67-139	55-151	5	0-20	
Chlorobenzene	50.00	51.12	102	49.36	99	78-120	71-127	4	0-20	
1,2-Dibromoethane	50.00	51.72	103	51.49	103	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	50.00	51.20	102	49.81	100	63-129	52-140	3	0-20	
1,2-Dichloroethane	50.00	47.23	94	46.23	92	70-130	60-140	2	0-20	
1,1-Dichloroethene	50.00	50.50	101	47.89	96	66-126	56-136	5	0-20	
Ethylbenzene	50.00	51.20	102	49.01	98	80-123	73-130	4	0-20	
Toluene	50.00	50.34	101	48.14	96	80-120	73-127	4	0-20	
Trichloroethene	50.00	51.42	103	49.26	99	80-122	73-129	4	0-20	
Vinyl Chloride	50.00	46.74	93	43.96	88	70-130	60-140	6	0-20	
p/m-Xylene	100.0	103.4	103	98.97	99	75-123	67-131	4	0-25	
o-Xylene	50.00	52.69	105	50.56	101	74-122	66-130	4	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	43.07	86	42.64	85	69-129	59-139	1	0-22	
Tert-Butyl Alcohol (TBA)	250.0	281.0	112	269.9	108	69-129	59-139	4	0-25	
Diisopropyl Ether (DIPE)	50.00	49.97	100	48.42	97	68-128	58-138	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	45.05	90	44.13	88	63-135	51-147	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	48.58	97	47.75	96	67-133	56-144	2	0-20	
Ethanol	500.0	551.2	110	531.8	106	42-168	21-189	4	0-20	
TPPH	1000	1190	119	1142	114	65-135	53-147	4	0-30	

Total number of LCS compounds: 20
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Frey Environmental, Inc.		Date Received:	08/29/18
2817-A Lafayette Avenue		Work Order:	18-08-2446
Newport Beach, CA 92663-3715		Preparation:	EPA 5030C
		Method:	GC/MS / EPA 8260B
Project: Alamo Car Wash / 159-11			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-8295	**LCS**	**Aqueous**	**GC/MS PP**	**09/05/18**	**09/05/18 20:02**	**180905L055**
099-12-767-8295	**LCSD**	**Aqueous**	**GC/MS PP**	**09/05/18**	**09/05/18 20:30**	**180905L055**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	51.33	103	50.12	100	80-120	73-127	2	0-20	
Carbon Tetrachloride	50.00	49.48	99	48.00	96	67-139	55-151	3	0-20	
Chlorobenzene	50.00	52.91	106	51.50	103	78-120	71-127	3	0-20	
1,2-Dibromoethane	50.00	54.25	109	55.30	111	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	50.00	52.43	105	52.37	105	63-129	52-140	0	0-20	
1,2-Dichloroethane	50.00	49.33	99	49.10	98	70-130	60-140	0	0-20	
1,1-Dichloroethene	50.00	52.19	104	50.14	100	66-126	56-136	4	0-20	
Ethylbenzene	50.00	52.62	105	51.71	103	80-123	73-130	2	0-20	
Toluene	50.00	51.65	103	50.24	100	80-120	73-127	3	0-20	
Trichloroethene	50.00	52.88	106	51.39	103	80-122	73-129	3	0-20	
Vinyl Chloride	50.00	47.41	95	45.52	91	70-130	60-140	4	0-20	
p/m-Xylene	100.0	106.7	107	104.2	104	75-123	67-131	2	0-25	
o-Xylene	50.00	54.52	109	53.10	106	74-122	66-130	3	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	43.64	87	43.87	88	69-129	59-139	1	0-22	
Tert-Butyl Alcohol (TBA)	250.0	271.2	108	288.9	116	69-129	59-139	6	0-25	
Diisopropyl Ether (DIPE)	50.00	51.37	103	50.66	101	68-128	58-138	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	45.63	91	45.21	90	63-135	51-147	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	48.52	97	48.86	98	67-133	56-144	1	0-20	
Ethanol	500.0	541.6	108	564.7	113	42-168	21-189	4	0-20	
TPPH	1000	1193	119	1079	108	65-135	53-147	10	0-30	

Total number of LCS compounds: 20
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 18-08-2446 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
GC/MS / EPA 8260B	EPA 5030C	1126	GC/MS PP	2

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Glossary of Terms and Qualifiers

Work Order: 18-08-2446 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 18-08-2448

Date 8/28/18
Page 1 of 2

LABORATORY CLIENT: Frey Environmental Inc.
ADDRESS: 2817-A Lafayette Ave
CITY: Newport Beach STATE: CA ZIP: 92663
TEL: E-MAIL: sawyerjones@freyinc.com

CLIENT PROJECT NAME / NO.: Alamo Carwash 159-11
PROJECT CONTACT: Sawyer Jones
GLOBAL ID: T0603774352
LOG CODE:

P.O. NO.: 159-11
LAB CONTACT OR QUOTE NO:
SAMPLER(S): (PRINT) Jose Lopez

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD
☒ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C8-C36 ☐ C8-C44	TPH	BTEX / MTBE ☐ 8260 ☐	VOCs (8260) + TPPH	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 218.6				
1	MW1	8/28/18	12:10	H2O	3									X												
2	MW2		12:16																							
3	MW3		11:50																							
4	MW4		11:56																							
5	MW5		11:30																							
6	MW6		12:05																							
7	MW7		12:25																							
8	MW8		11:35																							
9	MW9		11:39																							
10	MW10		11:45																	8/29/18						

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 8/28/18	Time: 1130
Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC	Date: 8/29/18	Time: 1230
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2016-04-01-Revision

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CHAIN-OF-CUSTODY RECORD

Date 8/28/18
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WO NO. / LAB USE ONLY: 18-08-2446

LABORATORY CLIENT:
ADDRESS: See Page 1
CITY: STATE: ZIP:
TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: Alamo Carwash / 159-11
PROJECT CONTACT: Sawyer Jones
P.O. NO.: 159-11
LAB CONTACT OR QUOTE NO.:
GLOBAL ID: T0603774352
LOG CODE:
SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD
☒ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
See page 1

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C8-C36 ☐ C8-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260) + Hold	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
11	MW11	8/28/18	8:00	H_2O	3									X												
12	MW12	↓	8:06	↓	↓									↓												
13	MW13	↓	8:28	↓	↓									↓												

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 8/29/18	Time: 1130
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 8/29/18	Time: 1230
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2016-04-01-Revision

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WORK ORDER NUMBER: 18-08-2446

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Frey

DATE: 08/29/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.0 °C (w/ CF): 1.5 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: JC

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: JC

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: UFSO

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☐	☑	☐
☑ Sampling date (-2) to (-10) ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☑	☐	☐
☑ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☑ VOAh ☐ VOAna_2 ☐ 100PJ ☐ 100PJna_2 ☐ 125AGB ☐ 125AGBh ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)
☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** (pH__2) ☐ 500PB
☐ 1AGB ☐ 1AGBna_2 ☐ 1AGB**s** (pH__2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____
Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____
Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na_2** = $Na_2S_2O_3$, **p** = H_3PO_4, Labeled/Checked by: UFSO
s = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH Reviewed by: UM

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WORK ORDER NUMBER: 18-08-2446

SAMPLE ANOMALY REPORT

DATE: 08/29/2018

SAMPLES, CONTAINERS, AND LABELS:

Comments

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☐ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☐ Client sample ID
  - ☑ Sampling date and/or time
  - ☐ Number of container(s)
  - ☐ Requested analysis

(-2) to (-10) Collection date per label, 8/28/18.

- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags*)
  - ☐ Leaking (transferred into client's Tedlar™ bags*)

* Transferred at client's request.

MISCELLANEOUS: (Describe)

Comments

HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Comments:

Reported by: HPSO

Reviewed by:

** Record the total number of containers (i.e., vials or bottles) for the affected sample.

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APPENDIX C

DISPOSAL DOCUMENTATION

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter) 20117

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NON-HAZARDOUS	Manifest Document No. 159-11-55-93	2. Page 1 of 1

3. Generator's Name and Mailing Address: SYLVIA GERSTNER, P.O. BOX 545, SAN GABRIEL, CA 91778 (949)723-1645

~~[illegible]~~ ~~[illegible]~~ ALAMO CW

4. Generator's Phone ( )

5. Transporter 1 Company Name	6. US EPA ID Number	A. State Transporter's ID
ABLE ENVIRONMENTAL	CAR000199349	B. Transporter 1 Phone (949) 238 2845
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID
		D. Transporter 2 Phone
9. Designated Facility Name and Site Address: CROSBY + OVERTON, 1630 W 17th ST, LONG BEACH, CA 90813	10. US EPA ID Number: CAD028409019	E. State Facility's ID F. Facility's Phone (562) 432-5445

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON HAZARDOUS LIQUID WASTE	1	TT	440	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: L47981 0163009

H. Handling Codes for Wastes Listed Above: H135

15. Special Handling Instructions and Additional Information: PROFILE #12485 WEAR PROTECTIVE CLOTHING

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
WALTER BELL	W Bell	9	11	18

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Eddie Paxton	Eddie Paxton	9	11	18

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

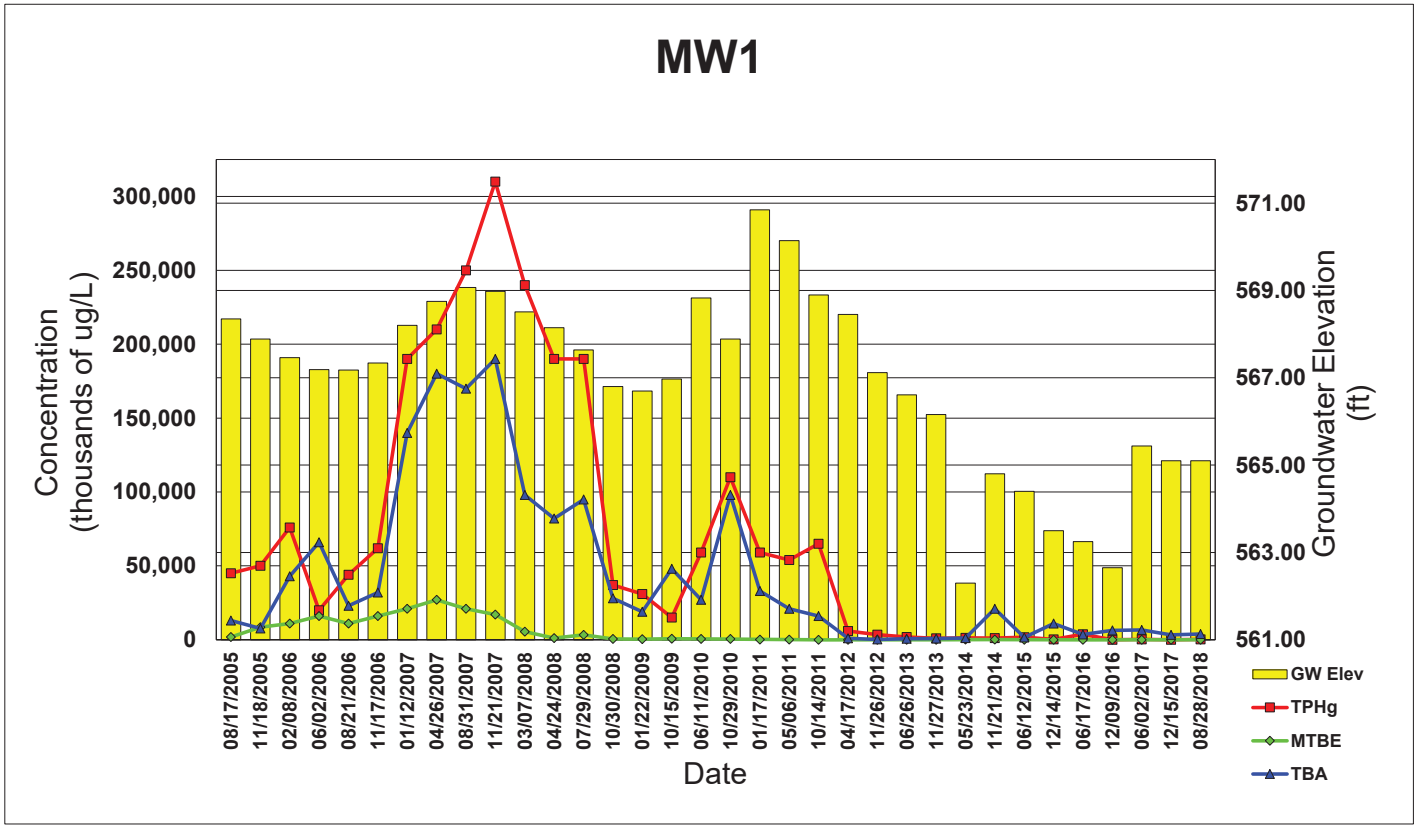
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

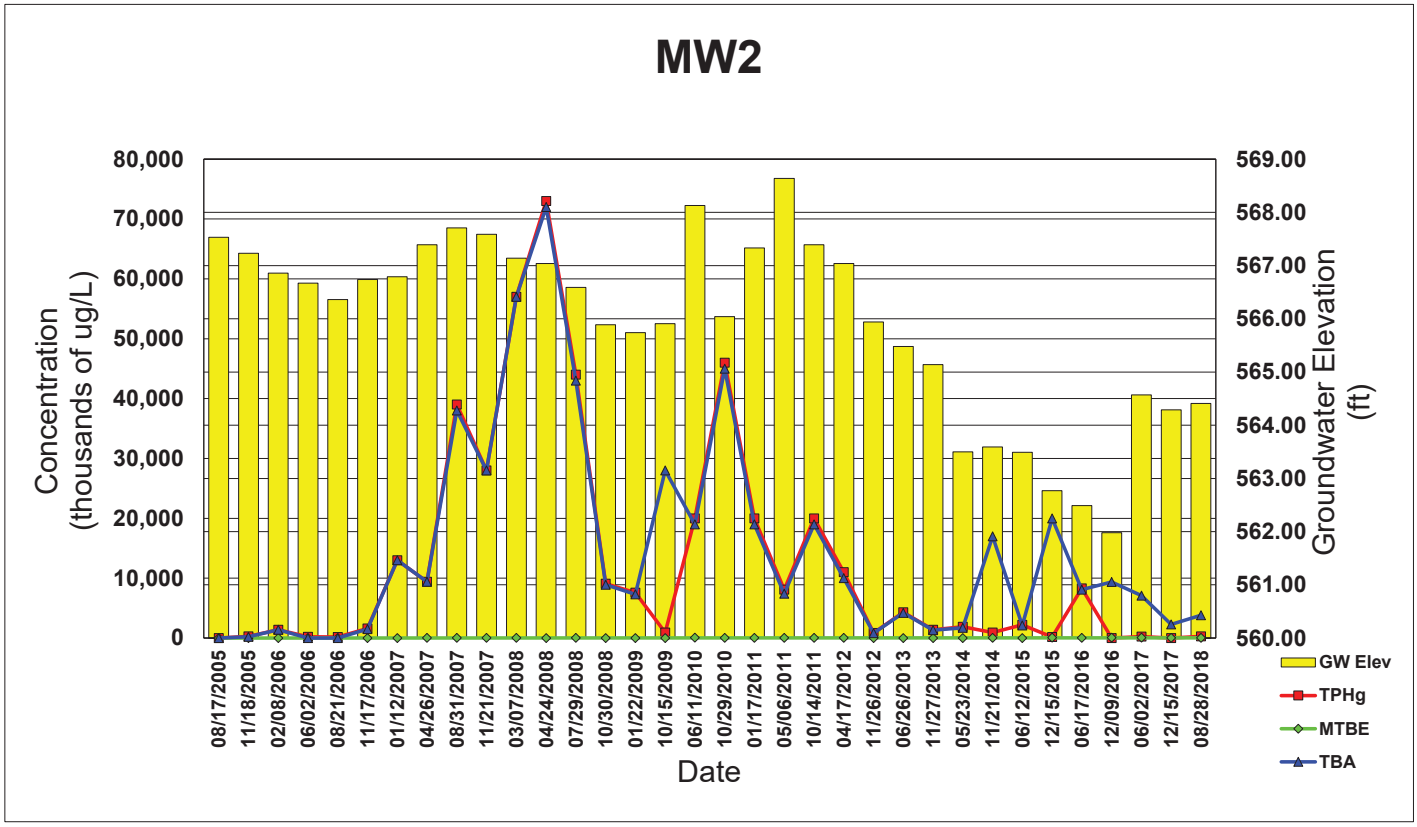
Printed/Typed Name	Signature	Date Month	Day	Year
M Guerrero	M Guerrero	9	17	18

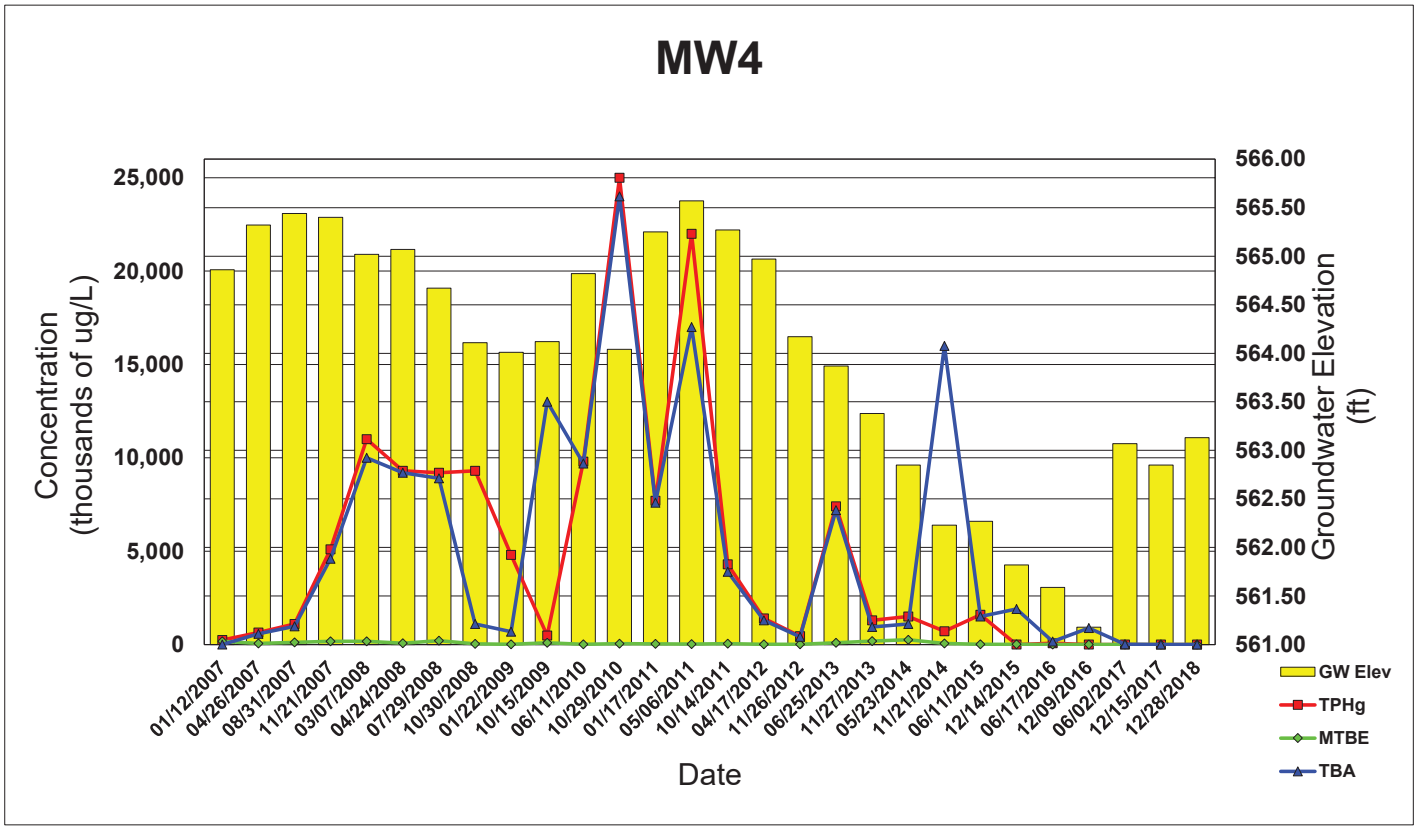
GENERATOR / TRANSPORTER / FACILITY

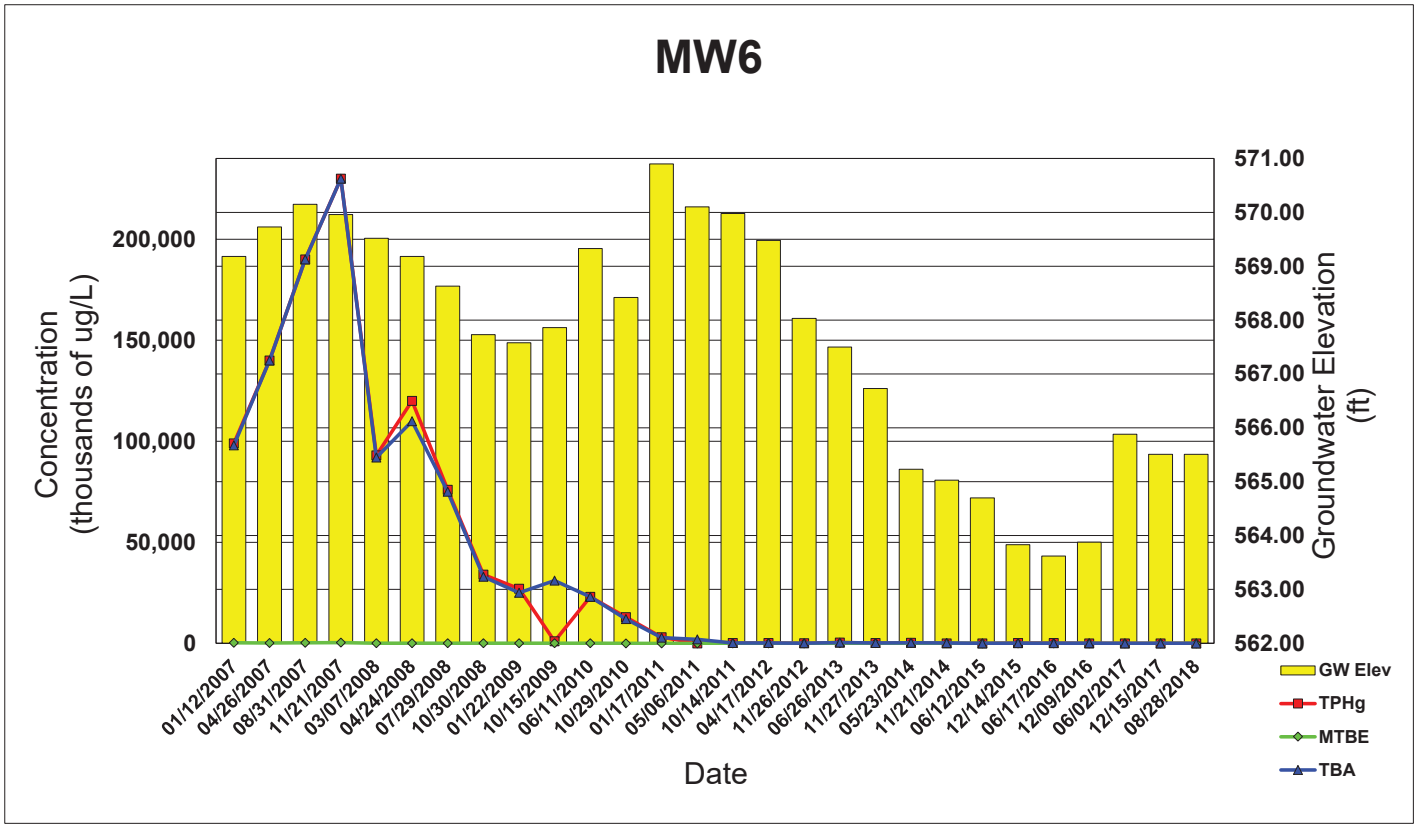
APPENDIX D

CONCENTRATION VS. TIME GRAPHS


MW1
Concentration (thousands of ug/L)
300,000
250,000
200,000
150,000
100,000
50,000
0
571.00
569.00
567.00
565.00
563.00
561.00
Groundwater Elevation (ft)
08/17/2005
11/18/2005
02/08/2006
06/02/2006
08/21/2006
11/17/2006
01/12/2007
04/26/2007
08/31/2007
11/21/2007
03/07/2008
04/24/2008
07/29/2008
10/30/2008
01/22/2009
10/15/2009
06/11/2010
10/29/2010
01/17/2011
05/06/2011
10/14/2011
04/17/2012
11/26/2012
06/26/2013
11/27/2013
05/23/2014
11/21/2014
06/12/2015
12/14/2015
06/17/2016
12/09/2016
06/02/2017
12/15/2017
08/28/2018
Date
GW Elev
TPHg
MTBE
TBA


MW2
Concentration (thousands of ug/L)
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Groundwater Elevation (ft)
569.00
568.00
567.00
566.00
565.00
564.00
563.00
562.00
561.00
560.00
08/17/2005
11/18/2005
02/08/2006
06/02/2006
08/21/2006
11/17/2006
01/12/2007
04/26/2007
08/31/2007
11/21/2007
03/07/2008
04/24/2008
07/29/2008
10/30/2008
01/22/2009
10/15/2009
06/11/2010
10/29/2010
01/17/2011
05/06/2011
10/14/2011
04/17/2012
11/26/2012
06/26/2013
11/27/2013
05/23/2014
11/21/2014
06/12/2015
12/15/2015
06/17/2016
12/09/2016
06/02/2017
12/15/2017
08/28/2018
Date
GW Elev
TPHg
MTBE
TBA


MW4
Concentration (thousands of ug/L)
25,000
20,000
15,000
10,000
5,000
0
Groundwater Elevation (ft)
566.00
565.50
565.00
564.50
564.00
563.50
563.00
562.50
562.00
561.50
561.00
01/12/2007
04/26/2007
08/31/2007
11/21/2007
03/07/2008
04/24/2008
07/29/2008
10/30/2008
01/22/2009
10/15/2009
06/11/2010
10/29/2010
01/17/2011
05/06/2011
10/14/2011
04/17/2012
11/26/2012
06/25/2013
11/27/2013
05/23/2014
11/21/2014
06/11/2015
12/14/2015
06/17/2016
12/09/2016
06/02/2017
12/15/2017
12/28/2018
Date
GW Elev
TPHg
MTBE
TBA


MW6
Concentration (thousands of ug/L)
200,000
150,000
100,000
50,000
0
Groundwater Elevation (ft)
571.00
570.00
569.00
568.00
567.00
566.00
565.00
564.00
563.00
562.00
01/12/2007
04/26/2007
08/31/2007
11/21/2007
03/07/2008
04/24/2008
07/29/2008
10/30/2008
01/22/2009
10/15/2009
06/11/2010
10/29/2010
01/17/2011
05/06/2011
10/14/2011
04/17/2012
11/26/2012
06/26/2013
11/27/2013
05/23/2014
11/21/2014
06/12/2015
12/14/2015
06/17/2016
12/09/2016
06/02/2017
12/15/2017
08/28/2018
Date
GW Elev
TPHg
MTBE
TBA