APPENDIX J

Phase II and Soils Report

AEI Consultants

July 10, 2019

REPORT OF SOIL SAMPLING

Property Identification:
9176 Sunset Boulevard
West Hollywood, California 90069

AEI Project No. 407948

Prepared for:
Mr. William Trueblood
Faring Capital
659 North Robertson Boulevard
West Hollywood, California 90069

Prepared by:
AEI Consultants
2207 West 190th Street
Torrance, California 90504
(310) 798-4255

Environmental Due Diligence

Building Assessments

Site Investigation & Remediation

Energy Performance & Benchmarking

Industrial Hygiene

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AEI Consultants

July 10, 2019

Mr. William Trueblood
Faring Capital
659 North Robertson Boulevard
West Hollywood, California 90069

Subject: **Report of Soil Sampling**
9176 Sunset Boulevard
West Hollywood, California 90069
AEI Project No. 407948

AEI Consultants (AEI) is pleased to provide this Report of Soil Sampling performed at the above referenced Site (Figures 1 and 2). This investigation was completed in general accordance with the authorized scope of services outlined in our authorized proposal number 65133.

1.0 SITE DESCRIPTION

The Site consists of a two-story commercial vehicle retail building, occupied by Hornburg Jaguar of Los Angeles, and the associated adjacent parking lot and is located on the corner of Sunset Boulevard and Cory Avenue in a mixed residential and commercial area of West Hollywood, California (Figure 2).

The Site slopes to the south at an elevation of approximately 408 feet above mean sea level. The regional topographic gradient direction slopes toward the southeast and, therefore, the direction of groundwater flow beneath the Site is inferred to be to the southeast. The Franklin Canyon Reservoir is located approximately 1.38 miles to the northwest.

2.0 BACKGROUND

A Phase I Environmental Site Assessment (ESA) was performed by Dudek as detailed in a report dated September 2018. As detailed in the Phase I ESA, the east adjacent property was formerly occupied by a gasoline service station and an automotive repair facility from at least 1926 to at least 1975. Historical documentation of hazardous material handling, storage and petroleum tanks were not discovered during the course of the Phase I ESA.

A Limited Phase II ESA was performed by Dudek as detailed in a report dated April 17, 2019. As detailed in the Phase II ESA, six (6) temporary soil vapor probes were advanced and installed at the Site at approximate depths of 5 feet bgs. Dudek reported that Volatile Organic Compounds (VOCs) were not detected in the soil vapor samples analyzed at concentrations above laboratory reporting limits during their Phase II ESA.

3.0 INVESTIGATION EFFORTS

AEI was requested to perform soil sampling to evaluate the presence or absence of petroleum hydrocarbons, volatile organic compounds (VOCs), and metals for soil profiling purposes in the subsurface of the Site.

This work was performed under the oversight of a California licensed Professional Geologist.

3.1 Health and Safety Plan

A site-specific Health And Safety Plan was prepared, reviewed by onsite personnel, and kept onsite for the duration of the fieldwork.

3.2 Utility Clearance

The public underground utility locating service DigAlert was notified to identify public utilities in the work area. Private utility locating was conducted by Pacific Coast Locators (PCL) of La Crescenta, California to identify underground utilities on the Site.

On July 5, 2019, boring and utility clearance using geophysical methods was conducted by PCL. The purpose of the boring clearance was to evaluate the potential presence of current or former underground utilities. The boring clearance was conducted using a magnetometer and ground penetrating radar. Where the results of the geophysical survey indicated the presence of potential subsurface obstructions, the proposed boring locations were adjusted accordingly.

3.3 Drilling and Soil Sample Collection

On July 5, 2019, five (5) soil borings (B-1 through B-5) were advanced on the Site (Figure 2). The borings were advanced by Strongarm Environmental Field Services, Inc. of Irvine, California using a track mounted direct-push rig. The borings were advanced to depths of 30 feet bgs. The locations of each boring are listed below:

- Boring B-1 was advanced at the main entrance off Sunset Boulevard.
- Boring B-2 was advanced at the southern entrance.
- Boring B-3 was advanced at the western portion of the parking area.
- Boring B-4 was advanced east of boring B-3.
- Boring B-5 was advanced south of boring B-1.

The borings were advanced using 2.5-inch outer diameter rods and samples were collected by advancing the rods with acetate sample liners in approximately 4-foot intervals. After each interval, the core was retrieved, core barrel disassembled, and the sample liner was removed and transferred to the onsite geologist.

The soil borings were logged using the Unified Soil Classification System. A photo ionization detector (PID) was used to screen soil samples in the field and the PID readings for each sample were included on the boring logs (Appendix A). Selected soil samples were sealed with Teflon tape and plastic end caps.

Down-hole equipment was decontaminated using a triple rinse system containing detergent.

3.4 Boring Destruction

Following completion of sample collection and removal of tooling, the borings were backfilled with hydrated granular bentonite and completed at the surface with asphalt cold patch to match the surrounding conditions.

3.5 Laboratory Analyses

On July 5, 2019, thirty (30) soil samples were collected, labeled, and placed into a cooler with ice following sampling. The samples were transferred under appropriate chain-of-custody documentation to Eurofins/Calscience of Garden Grove, California. Laboratory analytical documentation is provided in Appendix B.

Laboratory analysis of thirty (30) soil samples consisted of the following:

- Total Petroleum Hydrocarbons (TPH-cc) by U.S. Environmental Protection Agency (EPA) Test Method 8015M
- VOCs by U.S. EPA Test Method 8260B

Laboratory analysis of fifteen (15) soil samples consisted of the following:

- Leaking Underground Fueling Tank (LUFT)-5 Metals by U.S. EPA Test Method 6010B

3.6 Investigation Derived Waste

No investigation derived waste was created during this investigation.

4.0 FINDINGS

The analytical results for petroleum hydrocarbons, VOCs and metals were reviewed and compared to Table S-1 of the Environmental Screening Levels (ESLs) published by the San Francisco Bay Regional Water Quality Control Board (RWQCB) and updated as of January 2019. The ESLs are conservative screening levels for over one hundred chemicals and enable the evaluation of the impact of these chemicals in soil groundwater, soil vapor and indoor air. They are intended to help expedite the identification and evaluation of potential environmental concerns and impacted sites.

The analytical results for metals were also reviewed to the background concentrations of metals that naturally exists in Southern California soils. A study entitled Background Concentrations of Trace and Major Elements in California Soils, dated March 1996, by the Kearney Foundation of Soil Science was also reviewed for information on the concentrations of background metals in California soils. The Kearny report is a relevant source used by public policy makers and those in the private sector concerned with environmental remediation and land use planning.

4.1 Geology and Hydrogeology

Sediment encountered in each of the borings generally consisted of slightly moist clayed sands underlain by moist sandy clays (Appendix A).

Groundwater was not encountered in borings B-1 through B-5 and was not part of this investigation.

4.2 Soil Sample Analytical Results

The following information is a summary of the soil sample analytical test results for total petroleum hydrocarbons and VOCs (Appendix B). This information has also been included in Table 1.

- Petroleum hydrocarbons diesel (TPH-d) and (TPH-o) oil were detected in three soil samples (B-1-5, B-4-5, and B-5-5).
    - TPH-d was detected in soil samples B-4-5 and B-5-5 at concentrations of 9.4 and 9.9 milligrams per kilogram (mg/kg), respectively. The detected concentrations were below the diesel ESL of 1,200 mg/kg.
    - TPH-o was detected in soil samples B-1-5, B-4-5 and B-5-5 at concentrations of 10 mg/kg, 34 mg/kg and 44 mg/kg, respectively. The detected concentrations were below the oil ESL of 180,000 mg/kg
- VOCs were detected in five soil samples (B-1-15, B-1-25, B-2-25, B-4-30, and B-5-5).
    - Ethylbenzene was detected in soil sample B-5-5 at a concentration of 0.00033 mg/kg. The detected concentration was below the ethylbenzene ESL of 26 mg/kg.
    - o-Xylenes were detected in soil samples B-1-25 and B-5-5 at concentrations 0.0018 mg/kg and 0.00072 mg/kg, respectively. The detected concentrations were below the o-Xylene ESL of 2,500 mg/kg.
    - m/p-Xylenes were detected in soil samples B-1-25 and B-5-5 at concentrations of 0.0010 mg/kg and 0.0016 mg/kg. The detected concentrations were below the m/p-Xylene ESL of 2,500 mg/kg.
    - n-butylbenzene was detected in soil sample B-1-15 at a concentration of 0.00026 mg/kg. There is no ESL for this analyte.
    - Chloromethane was detected in soil samples B-2-25 and B-4-30 at concentrations of 0.00030 mg/kg and 0.00033 mg/kg, respectively. The detected concentrations were below the chloromethane ESL of 470 mg/kg.
    - 1,2,4-Trimethylbenzene was detected in soil sample B-1-25 at a concentration of 0.0035 mg/kg. There is no ESL for this analyte
    - 1,3,5-Trimethylbenzene was detected in soil sample B-1-25 at a concentration of 0.0016 mg/kg. There is no ESL for this analyte
    - Tert-Butyl Alcohol (TBA) was detected in soil sample B-1-25 at a concentration of 0.023 mg/kg. There is no ESL for this analyte

The following information is a summary of the soil sample analytical test results for Title 22 Metals (Appendix B). This information has also been included in Table 2.

- Metals were detected in each of the soil samples submitted for analysis as part of this investigation. However, the detected concentrations of each metal were below their respective ESLs or were within typical background concentrations.

5.0 SUMMARY AND CONCLUSIONS

AEI has completed Soil Sampling at the Site. The purpose of the soil sampling at the Site was to evaluate the presence or absence of petroleum hydrocarbons, VOCs, and metals in the shallow soil of the Site. A total of five (5) borings (B-1 through B-5) were advanced at the Site for the collection and analysis of soil samples.

The soil samples collected during this investigation were analyzed for petroleum hydrocarbons, VOCs, and metals. Trace detections of petroleum hydrocarbons and VOCs were identified in the soil samples submitted for analysis. However, the detected concentrations were well below their respective screening levels. Metals were detected in the soil samples submitted for analysis. However, the detected concentrations were below their respective ESLs or were within the typical background concentrations.

6.0 REPORT LIMITATIONS AND RELIANCE

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the requested information, subject to scope of work for which AEI was retained and limitations inherent in this type of work, but it cannot be assumed that they are representative of areas not sampled. This report should not be regarded as a guarantee that no further contamination beyond that which could have been detected within the scope of this investigation is present beneath the Site. Undocumented, unauthorized releases of hazardous material, the remains of which are not readily identifiable by visual inspection and are of different chemical constituents, are difficult and often impossible to detect within the scope of a chemical specific investigation.

Any conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document. These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work. No other warranty, either expressed or implied, has been made.

This investigation was prepared for the sole use and benefit of Mr. William Trueblood/Faring Capital. All reports, both verbal and written, whether in draft or final, are for the benefit of Mr. William Trueblood/Faring Capital. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's Proposal and Standard Terms & Conditions executed by Mr. William Trueblood/Faring Capital. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

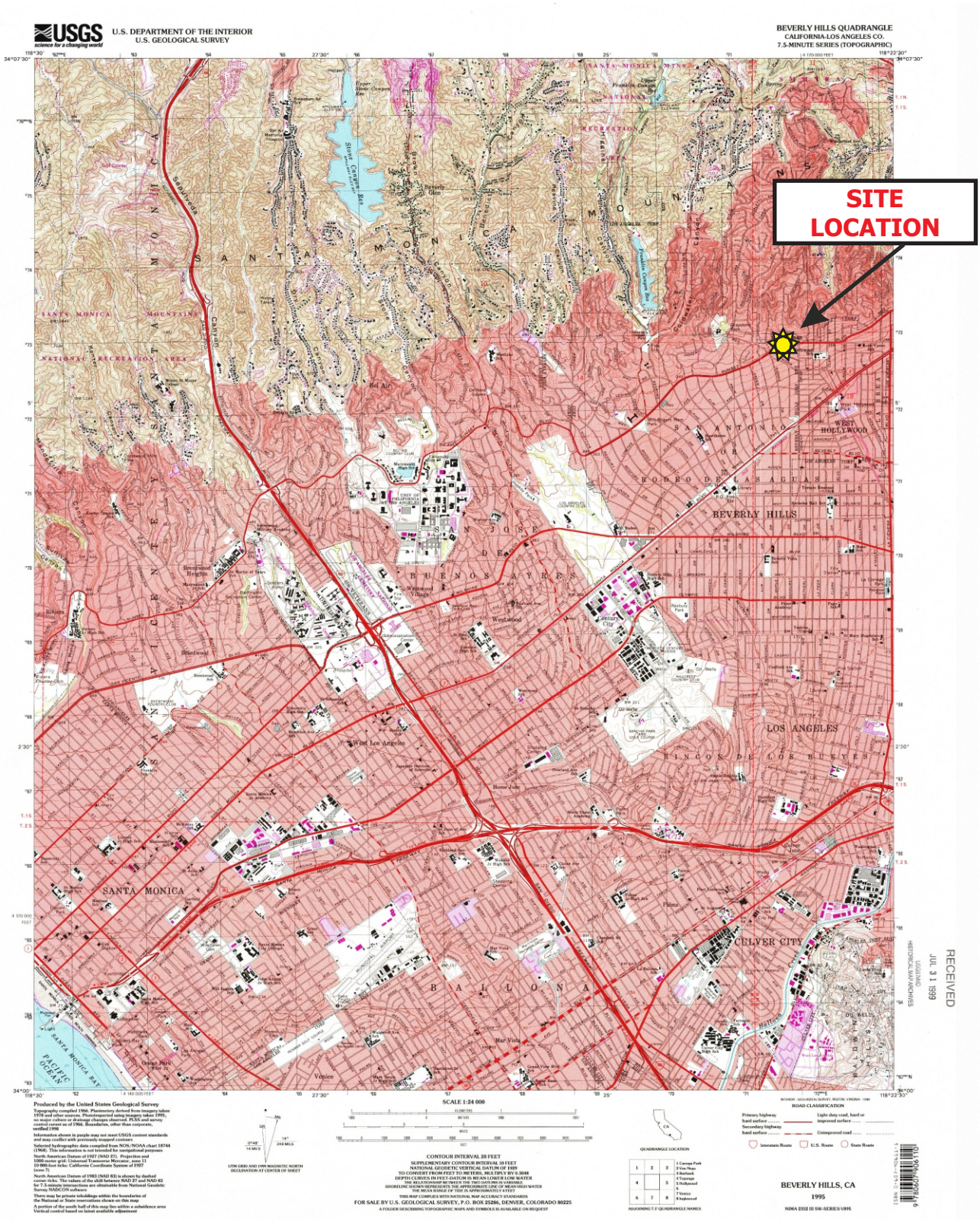
If there are any questions regarding our investigation, please do not hesitate to contact AEI at (310) 798-4255.

Sincerely,
AEI Consultants

Dashiell Geyer
Project Manager
AEI Consultants
2207 West 190th Street
Torrance, California 90504

Kent Vollmer, PG#7918, CEG# 2479
Department manager

FIGURES



LEGEND

N

Map: Beverly Hills, California Quadrangle
Date: 1995
Source: USGS

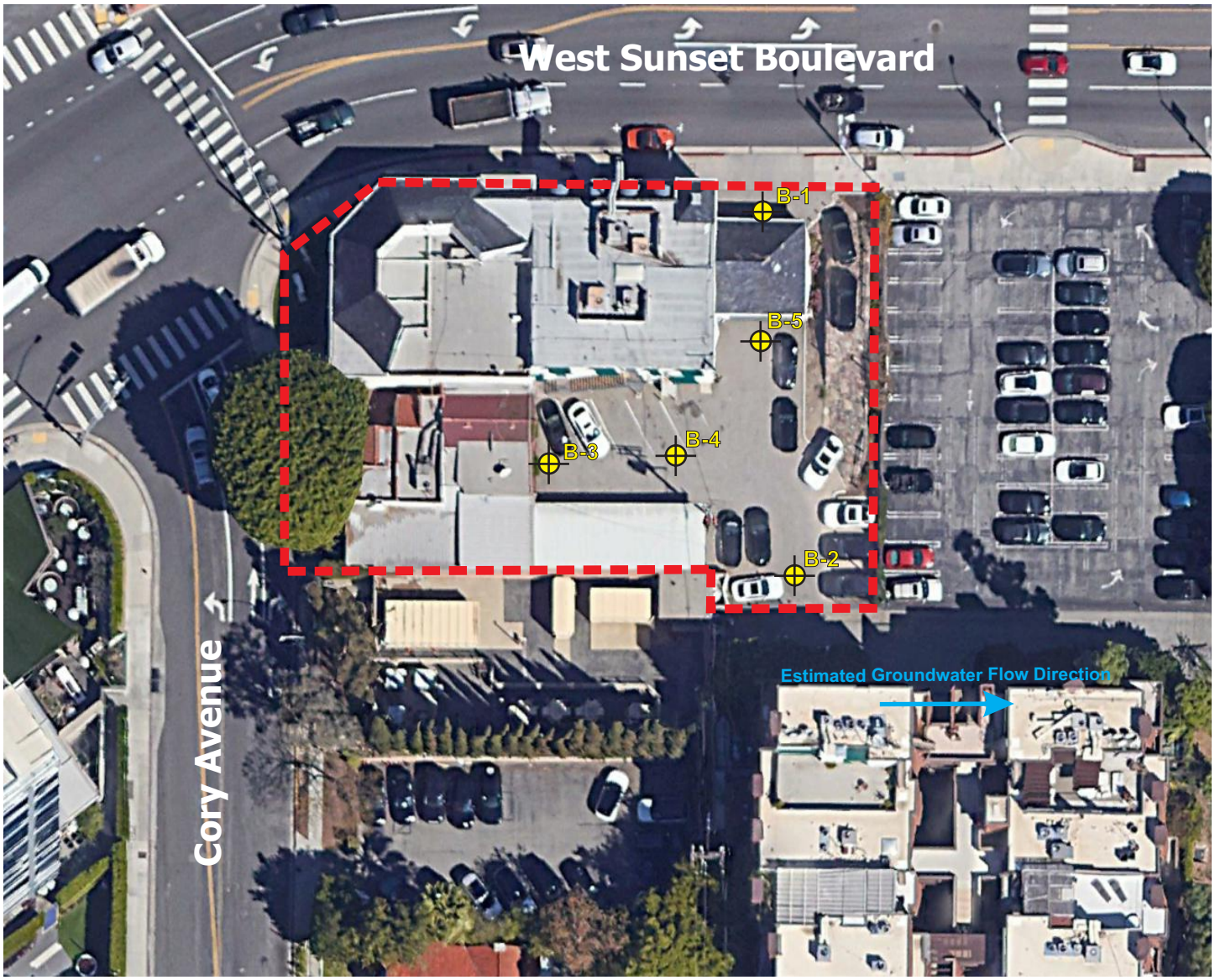
AEI Consultants

2207 West 190th Street,Torrance, California 90504

SITE LOCATION MAP

9176 Sunset Boulevard
West Hollywood, California 90069

FIGURE 1
Project No. 407948



0 25 50

SCALE: 1″ = 50′

N

LEGEND

- Inferred Property Boundary
- B-5 Approximate Sampling Locations

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2207 West 190th Street, Torrance, California 90504

SITE MAP

9176 Sunset Boulevard
West Hollywood, California 90069

FIGURE 2
Project No. 407948

TABLES

TABLE 1: SOIL SAMPLE DATA SUMMARY
9176 Sunset Boulevard, West Hollywood, California 90069
AEI Project No. 407948

			U.S. EPA Method 8015M			U.S. EPA Method 8260B for VOCs								
Location ID	**Date**	**Depth**	**TPH-g**	**TPH-d**	**TPH-o**	**Ethylbenzene**	**o-Xylenes**	**m/p-Xylenes**	**n-butyl-benzene**	**Chloro-methane**	**1,2,4-Trimethyl-benzene**	**1,3,5-Trimethyl-benzene**	**Tert-Butyl Alcohol**	**Other VOCs**
		(feet bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
B-1	7/5/2019	5	ND<3.1	ND<3.1	10 J	ND<0.00015	ND<0.00057	ND<0.00027	ND<0.00016	ND<0.00031	ND<0.00060	ND<0.00056	ND<0.0053	<MDL
		10	ND<3.1	ND<3.1	ND<2.6	ND<0.00016	ND<0.00057	ND<0.00028	ND<0.00016	ND<0.00031	ND<0.00061	ND<0.00057	ND<0.0053	<MDL
		15	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00056	ND<0.00027	0.00026 J	ND<0.00030	ND<0.00059	ND<0.00055	ND<0.0052	<MDL
		20	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00055	ND<0.00026	ND<0.00015	ND<0.00030	ND<0.00058	ND<0.00054	ND<0.0051	<MDL
		25	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	0.0018 J	0.0010 J	ND<0.00016	ND<0.00030	0.0035 J	0.0016 J	0.023 J	<MDL
		30	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00057	ND<0.00026	ND<0.00015	ND<0.00030	ND<0.00057	ND<0.00054	ND<0.0051	<MDL
B-2	7/5/2019	5	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00054	ND<0.00026	ND<0.00015	ND<0.00030	ND<0.00057	ND<0.00054	ND<0.0051	<MDL
		10	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00054	ND<0.00026	ND<0.00015	ND<0.00030	ND<0.00057	ND<0.00054	ND<0.0051	<MDL
		15	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00055	ND<0.00027	ND<0.00016	ND<0.00030	ND<0.00058	ND<0.00055	ND<0.0052	<MDL
		20	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00056	ND<0.00027	ND<0.00016	ND<0.00031	ND<0.00059	ND<0.00055	ND<0.0052	<MDL
		25	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00054	ND<0.00026	ND<0.00015	0.00030 J	ND<0.00057	ND<0.00053	ND<0.0050	<MDL
		30	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00055	ND<0.00027	ND<0.00016	ND<0.00030	ND<0.00058	ND<0.00055	ND<0.0052	<MDL
B-3	7/5/2019	5	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00056	ND<0.00027	ND<0.00016	ND<0.00031	ND<0.00059	ND<0.00055	ND<0.0052	<MDL
		10	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00054	ND<0.00026	ND<0.00015	ND<0.00030	ND<0.00057	ND<0.00054	ND<0.0050	<MDL
		15	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00056	ND<0.00027	ND<0.00016	ND<0.00030	ND<0.00059	ND<0.00055	ND<0.0052	<MDL
		20	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00056	ND<0.00027	ND<0.00016	ND<0.00030	ND<0.00059	ND<0.00055	ND<0.0052	<MDL
		25	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00055	ND<0.00026	ND<0.00015	ND<0.00030	ND<0.000058	ND<0.00054	ND<0.0051	<MDL
		30	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00055	ND<0.00027	ND<0.00016	ND<0.00030	ND<0.00058	ND<0.00055	ND<0.0052	<MDL
B-4	7/5/2019	5	ND<3.1	9.4 J	34	ND<0.00015	ND<0.00057	ND<0.00027	ND<0.00016	ND<0.00031	ND<0.00060	ND<0.00056	ND<0.0053	<MDL
		10	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00055	ND<0.00026	ND<0.00015	ND<0.00030	ND<0.00058	ND<0.00054	ND<0.0051	<MDL
		15	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00054	ND<0.00026	ND<0.00015	ND<0.00029	ND<0.00057	ND<0.00053	ND<0.0050	<MDL
		20	ND<3.0	ND<3.0	ND<2.5	ND<0.00015	ND<0.00055	ND<0.00026	ND<0.00015	ND<0.00030	ND<0.00058	ND<0.00054	ND<0.0051	<MDL
		25	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00055	ND<0.00026	ND<0.00015	ND<0.00030	ND<0.00058	ND<0.00054	ND<0.0051	<MDL
		30	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00057	ND<0.00027	ND<0.00016	0.00033 J	ND<0.00060	ND<0.00056	ND<0.0053	<MDL
B-5	7/5/2019	5	ND<3.1	9.9 J	44	0.00033 J	0.00072 J	0.0016 J	ND<0.00015	ND<0.00030	ND<0.00057	ND<0.00053	ND<0.0050	<MDL
		10	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00055	ND<0.00026	ND<0.00015	ND<0.00030	ND<0.00058	ND<0.00054	ND<0.0051	<MDL
		15	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00057	ND<0.00027	ND<0.00016	ND<0.00031	ND<0.00060	ND<0.00056	ND<0.0053	<MDL
		20	ND<3.1	ND<3.1	ND<2.6	ND<0.00016	ND<0.00058	ND<0.00028	ND<0.00016	ND<0.00031	ND<0.00061	ND<0.00057	ND<0.0054	<MDL
		25	ND<3.0	ND<3.0	ND<2.5	ND<0.00015	ND<0.00055	ND<0.00027	ND<0.00016	ND<0.00030	ND<0.00058	ND<0.00005	ND<0.0051	<MDL
		30	ND<3.1	ND<3.1	ND<2.6	ND<0.00015	ND<0.00054	ND<0.00026	ND<0.00015	ND<0.00030	ND<0.00057	ND<0.00053	ND<0.0050	<MDL
Comparison Values in mg/kg from SFBRWQCB Environmental Screening Levels (ESLs); Table S-1, Com/Ind; January 2019 Revision 1			2,000	1,200	180,000	26	2,500		--	470	--	--	--	Varies

Notes:

Analyses performed by Eurofins/Calscience, Garden Grove, California

mg/kg	Milligrams per kilogram
ND<	Not detected above the method detection limit (MDL)
bgs	below ground surface
VOCs	Volatile Organic Compounds
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
Table S-1	Direct Exposure Human Health Risk
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
Com/Ind	Commercial/Industrial
EPA	Environmental Protection Agency
TPH-g	Total Petroleum Hydrocarbons as gasoline
TPH-d	Total Petroleum Hydrocarbons as diesel
TPH-o	Total Petroleum Hydrocarbons as oil

TABLE 2: SOIL SAMPLE METALS DATA SUMMARY
9176 Sunset Boulevard, West Hollywood, California 90069
AEI Project No. 407948

U.S. EPA Method 6010B for LUFT-5 Metals (TTLC)

Location ID	Date	Depth (feet bgs)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
B-1	7/5/2019	5	0.170 J	37.8 B	1.80	15.3	43.8
		15	0.141 J	36.3 B	1.03	15.4	42.8
		25	ND<0.132	27.5 B	1.19	10.3	30.7
B-2	7/5/2019	10	0.147 J	40.4 B	0.974	15.7	43.9
		20	ND<0.135	41.6 B	1.28	15.5	47.2
		30	ND<0.133	30.8	1.92	9.41	25.4
B-3	7/5/2019	5	ND<0.131	26.1 B	0.845	11.0	37.8
		15	0.139 J	38.2 B	0.797	14.9	41.9
		25	ND<0.136	31.3 B	0.986	13.2	38.6
B-4	7/5/2019	10	ND<0.132	37.4 B	1.48	14.0	39.1
		20	ND<0.135	30.4 B	0.960	12.0	33.7
		30	ND<0.135	33.6 B	1.44	14.1	41.5
B-5	7/5/2019	5	ND<0.133	32.6 B	2.94	13.6	44.6
		15	0.141 J	46.9 B	0.641	16.2	44.2
		25	0.278 J	71.1 B	1.94	24.3	67.7
Comparison Values based on California Maximum Background Concentration in mg/kg*			1.70	1,579	97.1	509	236
Comparison Values in mg/kg from SFBRWQCB Environmental Screening Levels (ESLs); Table S-1, Com/Ind; January 2019 Revision 1			4,000	6.2	380	64,000	350,000

Notes:

	Analyses performed by Eurofins/Calscience, Garden Grove, California
mg/kg	Milligrams per kilogram
bgs	Below ground surface
ND<	Not detected above the method detection limit
EPA	Environmental Protection Agency
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
B	Analyte was present in the associated method blank
*	From Kearney Foundation of Soil Science 1996 Report "Background Concentrations of Trace and Maior Elements in California Soils"
LUFT	Leaking Underground Fueling Tank
TTLC	Total Threshold Limit Concentrations - the limit at which concentrations of a metal in soil is considered hazardous
Table S-1	Direct Exposure Human Health Risk
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
Com/Ind	Commercial/Industrial

APPENDIX A

Boring Logs

AEI CONSULTANTS
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Torrance, CA 90504
Telephone: 310-798-4255
Fax: 310-846-5594

BORING NUMBER B-1

CLIENT Faring Capital
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 407948
PROJECT LOCATION 9176 Sunset Blvd. West Hollywood, CA 90069
DATE STARTED 7/5/19 **COMPLETED** 7/5/19
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Strongarm Environmental
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe 7822 DT
AT TIME OF DRILLING --- NA
LOGGED BY A. Borges **CHECKED BY** K. Vollmer
AT END OF DRILLING --- NA
NOTES Near front entrance (NE corner)
AFTER DRILLING --- NA

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.3 ASPHALT - 4 inches thick	
					CLAYEY SAND (SC) - Dark brown (10YR; 3/3), medium dense, dry, fine to medium sand.	
5	B-1-5		0		CLAYEY SAND (SC) - Brown (10YR; 4/3), medium dense, dry to slightly moist, fine to medium sand.	
10	B-1-10		0		@ 10 feet bgs - Same as 5 feet	
15	B-1-15		0		CLAYEY SAND (SC) - Brown (10YR; 4/3), medium dense, dry to slightly moist, fine to medium sand.	
20	B-1-20		0		@ 20 feet bgs - Same as 15 feet	
					24.5	
25	B-1-25		0		SANDY CLAY (CL). Dark reddish brown (5YR; 3/4), stiff, very moist, moderate plasticity.	
30	B-1-30		0		@ 30 feet bgs - Same as 25 feet	
					30.0	

Bottom of borehole at 30.0 feet.

AEI CONSULTANTS
2207 W. 190th Street
Torrance, CA 90504
Telephone: 310-798-4255
Fax: 310-846-5594

BORING NUMBER B-2

CLIENT Faring Capital
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 407948
PROJECT LOCATION 9176 Sunset Blvd. West Hollywood, CA 90069
DATE STARTED 7/5/19 **COMPLETED** 7/5/19
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Strongarm Environmental
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe 7822 DT
AT TIME OF DRILLING --- NA
LOGGED BY A. Borges **CHECKED BY** K. Vollmer
AT END OF DRILLING --- NA
NOTES Near southern entrance (SE corner)
AFTER DRILLING --- NA

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.3 ASPHALT - 4 inches thick	
					CLAYEY SAND (SC) - Dark brown (10YR; 3/3), medium dense, dry, fine to medium sand.	
5	B-2-5		0		CLAYEY SAND (SC) - Brown (10YR; 4/3), medium dense, dry to slightly moist, fine to medium sand.	
10	B-2-10		0		@ 10 feet bgs - Same as 5 feet	
15	B-2-15		0		CLAYEY SAND (SC) - Brown (10YR; 4/3), medium dense, dry to slightly moist, fine to medium sand.	
20	B-2-20		0		@ 20 feet bgs - Same as 15 feet	
					24.5	
25	B-2-25		0		SANDY CLAY (CL). Dark reddish brown (5YR; 3/4), stiff, very moist, moderate plasticity.	
30	B-2-30		0		@ 30 feet bgs - Same as 25 feet	
					30.0	

Bottom of borehole at 30.0 feet.

AEI CONSULTANTS
2207 W. 190th Street
Torrance, CA 90504
Telephone: 310-798-4255
Fax: 310-846-5594

BORING NUMBER B-3

CLIENT Faring Capital
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 407948
PROJECT LOCATION 9176 Sunset Blvd. West Hollywood, CA 90069
DATE STARTED 7/5/19 **COMPLETED** 7/5/19
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Strongarm Environmental
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe 7822 DT
AT TIME OF DRILLING --- NA
LOGGED BY A. Borges **CHECKED BY** K. Vollmer
AT END OF DRILLING --- NA
NOTES Western end of parking lot
AFTER DRILLING --- NA

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.3 ASPHALT - 4 inches thick	
					CLAYEY SAND (SC) - Dark brown (10YR; 3/3), medium dense, dry, fine to medium sand.	
5	B-3-5		0		CLAYEY SAND (SC) - Brown (10YR; 4/3), medium dense, dry to slightly moist, fine to medium sand.	
10	B-3-10		0		@ 10 feet bgs - Same as 5 feet	
15	B-3-15		0		CLAYEY SAND (SC) - Brown (10YR; 4/3), medium dense, dry to slightly moist, fine to medium sand.	
20	B-3-20		0		@ 20 feet bgs - Same as 15 feet	
					24.5	
25	B-3-25		0		SANDY CLAY (CL). Dark reddish brown (5YR; 3/4), stiff, very moist, moderate plasticity.	
30	B-3-30		0		@ 30 feet bgs - Same as 25 feet	
					30.0	

Bottom of borehole at 30.0 feet.

AEI CONSULTANTS
2207 W. 190th Street
Torrance, CA 90504
Telephone: 310-798-4255
Fax: 310-846-5594

BORING NUMBER B-4

CLIENT Faring Capital
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 407948
PROJECT LOCATION 9176 Sunset Blvd. West Hollywood, CA 90069
DATE STARTED 7/5/19 **COMPLETED** 7/5/19
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Strongarm Environmental
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe 7822 DT
AT TIME OF DRILLING --- NA
LOGGED BY A. Borges **CHECKED BY** K. Vollmer
AT END OF DRILLING --- NA
NOTES East of B-3
AFTER DRILLING --- NA

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.3 ASPHALT - 4 inches thick	
					CLAYEY SAND (SC) - Dark brown (10YR; 3/3), medium dense, dry, fine to medium sand.	
5	B-4-5		0		CLAYEY SAND (SC) - Brown (10YR; 4/3), medium dense, dry to slightly moist, fine to medium sand.	
10	B-4-10		0		@ 10 feet bgs - Same as 5 feet	
15	B-4-15		0		CLAYEY SAND (SC) - Brown (10YR; 4/3), medium dense, dry to slightly moist, fine to medium sand.	
20	B-4-20		0		@ 20 feet bgs - Same as 15 feet	
					24.5	
25	B-4-25		0		SANDY CLAY (CL). Dark reddish brown (5YR; 3/4), stiff, very moist, moderate plasticity.	
30	B-4-30		0		@ 30 feet bgs - Same as 25 feet	
					30.0	

Bottom of borehole at 30.0 feet.

AEI CONSULTANTS
2207 W. 190th Street
Torrance, CA 90504
Telephone: 310-798-4255
Fax: 310-846-5594

BORING NUMBER B-5

CLIENT Faring Capital
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 407948
PROJECT LOCATION 9176 Sunset Blvd. West Hollywood, CA 90069
DATE STARTED 7/5/19 **COMPLETED** 7/5/19
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Strongarm Environmental
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe 7822 DT
AT TIME OF DRILLING --- NA
LOGGED BY A. Borges **CHECKED BY** K. Vollmer
AT END OF DRILLING --- NA
NOTES South of B-1
AFTER DRILLING --- NA

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.3 ASPHALT - 4 inches thick	
					CLAYEY SAND (SC) - Dark brown (10YR; 3/3), medium dense, dry, fine to medium sand.	
5	B-5-5		0		CLAYEY SAND (SC) - Brown (10YR; 4/3), medium dense, dry to slightly moist, fine to medium sand.	
10	B-5-10		0		@ 10 feet bgs - Same as 5 feet	
15	B-5-15		0		CLAYEY SAND (SC) - Brown (10YR; 4/3), moderately dense, dry to slightly moist, fine to medium sand.	
20	B-5-20		0		@ 20 feet bgs - Same as 15 feet	
					24.5	
25	B-5-25		0		SANDY CLAY (CL). Dark reddish brown (5YR; 3/4), stiff, very moist, moderate plasticity.	
30	B-5-30		0		@ 30 feet bgs - Same as 25 feet	
					30.0	

Bottom of borehole at 30.0 feet.

APPENDIX B

Laboratory Analytical Reports

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WORK ORDER NUMBER: 19-07-0289

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: AEI Consultants

Client Project Name: 407948

Attention: Kate Lamb
2207 West 190th Street
Torrance, CA 90504-6001

Approved for release on 07/08/2019 by:
Lori Thompson
Project Manager

ResultLink ▸

Email your PM ▸

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Client Project Name: 407948
Work Order Number: 19-07-0289

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Work Order Narrative

Work Order: 19-07-0289 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/05/19. They were assigned to Work Order 19-07-0289.

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-13A): 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:	AEI Consultants	Work Order:	19-07-0289
	2207 West 190th Street	Project Name:	407948
	Torrance, CA 90504-6001	PO Number:	198578
		Date/Time Received:	07/05/19 13:25
		Number of Containers:	30
Attn:	Kate Lamb		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B-1-5	19-07-0289-1	07/05/19 08:44	1	Solid
B-1-10	19-07-0289-2	07/05/19 08:48	1	Solid
B-1-15	19-07-0289-3	07/05/19 08:49	1	Solid
B-1-20	19-07-0289-4	07/05/19 08:52	1	Solid
B-1-25	19-07-0289-5	07/05/19 08:58	1	Solid
B-1-30	19-07-0289-6	07/05/19 09:00	1	Solid
B-2-5	19-07-0289-7	07/05/19 09:23	1	Solid
B-2-10	19-07-0289-8	07/05/19 09:25	1	Solid
B-2-15	19-07-0289-9	07/05/19 09:27	1	Solid
B-2-20	19-07-0289-10	07/05/19 09:30	1	Solid
B-2-25	19-07-0289-11	07/05/19 09:57	1	Solid
B-2-30	19-07-0289-12	07/05/19 09:58	1	Solid
B-3-5	19-07-0289-13	07/05/19 10:14	1	Solid
B-3-10	19-07-0289-14	07/05/19 10:17	1	Solid
B-3-15	19-07-0289-15	07/05/19 10:18	1	Solid
B-3-20	19-07-0289-16	07/05/19 10:19	1	Solid
B-3-25	19-07-0289-17	07/05/19 10:23	1	Solid
B-3-30	19-07-0289-18	07/05/19 10:26	1	Solid
B-4-5	19-07-0289-19	07/05/19 10:48	1	Solid
B-4-10	19-07-0289-20	07/05/19 10:50	1	Solid
B-4-15	19-07-0289-21	07/05/19 10:51	1	Solid
B-4-20	19-07-0289-22	07/05/19 10:54	1	Solid
B-4-25	19-07-0289-23	07/05/19 10:58	1	Solid
B-4-30	19-07-0289-24	07/05/19 11:01	1	Solid
B-5-5	19-07-0289-25	07/05/19 11:26	1	Solid
B-5-10	19-07-0289-26	07/05/19 11:28	1	Solid
B-5-15	19-07-0289-27	07/05/19 11:30	1	Solid
B-5-20	19-07-0289-28	07/05/19 11:32	1	Solid
B-5-25	19-07-0289-29	07/05/19 11:37	1	Solid
B-5-30	19-07-0289-30	07/05/19 11:40	1	Solid

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-5	**19-07-0289-1-A**	**07/05/19 08:44**	**Solid**	**GC 50**	**07/05/19**	**07/06/19 21:03**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	10	15	2.6	1.00	J
TPH C6-C40 Total	11	15	4.6	1.00	J
TPH Gas/Diesel	14	15	4.6	1.00	J

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	102	60-140	

B-1-10	19-07-0289-2-A	07/05/19 08:48	Solid	GC 50	07/05/19	07/06/19 21:23	190705B02

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	60-140	

B-1-15	19-07-0289-3-A	07/05/19 08:49	Solid	GC 50	07/05/19	07/06/19 21:43	190705B02

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	60-140	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-20	**19-07-0289-4-A**	**07/05/19 08:52**	**Solid**	**GC 50**	**07/05/19**	**07/06/19 22:03**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.6	1.00	
TPH Gas/Diesel	ND	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	99	60-140	

B-1-25	19-07-0289-5-A	07/05/19 08:58	Solid	GC 50	07/05/19	07/06/19 22:23	190705B02

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.6	1.00	
TPH Gas/Diesel	ND	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	101	60-140	

B-1-30	19-07-0289-6-A	07/05/19 09:00	Solid	GC 50	07/05/19	07/06/19 22:44	190705B02

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	99	60-140	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-5	**19-07-0289-7-A**	**07/05/19 09:23**	**Solid**	**GC 50**	**07/05/19**	**07/06/19 23:04**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.6	1.00	
TPH Gas/Diesel	ND	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	60-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-10	**19-07-0289-8-A**	**07/05/19 09:25**	**Solid**	**GC 50**	**07/05/19**	**07/06/19 23:24**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	60-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-15	**19-07-0289-9-A**	**07/05/19 09:27**	**Solid**	**GC 50**	**07/05/19**	**07/06/19 23:45**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	60-140	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-20	**19-07-0289-10-A**	**07/05/19 09:30**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 00:04**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.6	1.00	
TPH Gas/Diesel	ND	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	60-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-25	**19-07-0289-11-A**	**07/05/19 09:57**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 00:25**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	94	60-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-30	**19-07-0289-12-A**	**07/05/19 09:58**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 00:45**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	60-140	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-5	**19-07-0289-13-A**	**07/05/19 10:14**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 01:06**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	87	60-140	

B-3-10	19-07-0289-14-A	07/05/19 10:17	Solid	GC 50	07/05/19	07/07/19 01:26	190705B02

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	82	60-140	

B-3-15	19-07-0289-15-A	07/05/19 10:18	Solid	GC 50	07/05/19	07/07/19 01:46	190705B02

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.6	1.00	
TPH Gas/Diesel	ND	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	60-140	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-20	**19-07-0289-16-A**	**07/05/19 10:19**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 02:06**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.6	1.00	
TPH Gas/Diesel	ND	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	60-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-25	**19-07-0289-17-A**	**07/05/19 10:23**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 04:48**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.6	1.00	
TPH Gas/Diesel	ND	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	82	60-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-30	**19-07-0289-18-A**	**07/05/19 10:26**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 05:08**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.6	1.00	
TPH Gas/Diesel	ND	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	60-140	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-5	**19-07-0289-19-A**	**07/05/19 10:48**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 05:29**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	9.4	15	3.1	1.00	J
TPH C28-C40	34	15	2.6	1.00	
TPH C6-C40 Total	39	15	4.6	1.00	
TPH Gas/Diesel	44	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	89	60-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-10	**19-07-0289-20-A**	**07/05/19 10:50**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 06:09**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.6	1.00	
TPH Gas/Diesel	ND	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	60-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-15	**19-07-0289-21-A**	**07/05/19 10:51**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 04:28**	**190705B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.6	1.00	
TPH Gas/Diesel	ND	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	81	60-140	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-20	**19-07-0289-22-A**	**07/05/19 10:54**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 06:30**	**190705B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.0	1.00	
TPH C10-C28	ND	15	3.0	1.00	
TPH C28-C40	ND	15	2.5	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	60-140	

B-4-25	19-07-0289-23-A	07/05/19 10:58	Solid	GC 50	07/05/19	07/07/19 06:50	190705B03

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	60-140	

B-4-30	19-07-0289-24-A	07/05/19 11:01	Solid	GC 50	07/05/19	07/07/19 07:10	190705B03

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	60-140	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-5	**19-07-0289-25-A**	**07/05/19 11:26**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 07:31**	**190705B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	9.9	15	3.1	1.00	J
TPH C28-C40	44	15	2.6	1.00	
TPH C6-C40 Total	49	15	4.6	1.00	
TPH Gas/Diesel	55	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	60-140	

B-5-10	**19-07-0289-26-A**	**07/05/19 11:28**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 08:11**	**190705B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	60-140	

B-5-15	**19-07-0289-27-A**	**07/05/19 11:30**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 08:31**	**190705B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	60-140	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-20	**19-07-0289-28-A**	**07/05/19 11:32**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 08:51**	**190705B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.6	1.00	
TPH Gas/Diesel	ND	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	60-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-25	**19-07-0289-29-A**	**07/05/19 11:37**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 09:12**	**190705B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.0	1.00	
TPH C10-C28	ND	15	3.0	1.00	
TPH C28-C40	ND	15	2.5	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	94	60-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-30	**19-07-0289-30-A**	**07/05/19 11:40**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 09:31**	**190705B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.5	1.00	
TPH Gas/Diesel	ND	15	4.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	60-140	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-476-520**	**N/A**	**Solid**	**GC 50**	**07/05/19**	**07/06/19 19:42**	**190705B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.6	1.00	
TPH Gas/Diesel	ND	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	94	60-140	

Method Blank	099-15-476-521	N/A	Solid	GC 50	07/05/19	07/07/19 03:07	190705B03

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH C6-C10	ND	15	3.1	1.00	
TPH C10-C28	ND	15	3.1	1.00	
TPH C28-C40	ND	15	2.6	1.00	
TPH C6-C40 Total	ND	15	4.6	1.00	
TPH Gas/Diesel	ND	15	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	60-140	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-5	**19-07-0289-1-A**	**07/05/19 08:44**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 15:35**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	0.170	0.493	0.133	0.985	J
Chromium	37.8	0.246	0.140	0.985	B
Lead	1.80	0.493	0.130	0.985	
Nickel	15.3	0.246	0.143	0.985	
Zinc	43.8	0.985	0.175	0.985	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-15	**19-07-0289-3-A**	**07/05/19 08:49**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 15:46**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	0.141	0.508	0.137	1.02	J
Chromium	36.3	0.254	0.144	1.02	B
Lead	1.03	0.508	0.134	1.02	
Nickel	15.4	0.254	0.147	1.02	
Zinc	42.8	1.02	0.180	1.02	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-25	**19-07-0289-5-A**	**07/05/19 08:58**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 15:48**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	ND	0.488	0.132	0.976	
Chromium	27.5	0.244	0.139	0.976	B
Lead	1.19	0.488	0.128	0.976	
Nickel	10.3	0.244	0.141	0.976	
Zinc	30.7	0.976	0.173	0.976	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-10	**19-07-0289-8-A**	**07/05/19 09:25**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 15:50**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	0.147	0.500	0.135	1.00	J
Chromium	40.4	0.250	0.142	1.00	B
Lead	0.974	0.500	0.132	1.00	
Nickel	15.7	0.250	0.145	1.00	
Zinc	43.9	1.00	0.178	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-20	**19-07-0289-10-A**	**07/05/19 09:30**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 15:51**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	ND	0.500	0.135	1.00	
Chromium	41.6	0.250	0.142	1.00	B
Lead	1.28	0.500	0.132	1.00	
Nickel	15.5	0.250	0.145	1.00	
Zinc	47.2	1.00	0.178	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-30	**19-07-0289-12-A**	**07/05/19 09:58**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 15:53**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	ND	0.493	0.133	0.985	
Chromium	30.8	0.246	0.140	0.985	B
Lead	1.92	0.493	0.130	0.985	
Nickel	9.41	0.246	0.143	0.985	
Zinc	25.4	0.985	0.175	0.985	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-5	**19-07-0289-13-A**	**07/05/19 10:14**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 15:55**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	ND	0.485	0.131	0.971	
Chromium	26.1	0.243	0.138	0.971	B
Lead	0.845	0.485	0.128	0.971	
Nickel	11.0	0.243	0.141	0.971	
Zinc	37.8	0.971	0.172	0.971	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-15	**19-07-0289-15-A**	**07/05/19 10:18**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 15:57**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	0.139	0.488	0.132	0.976	J
Chromium	38.2	0.244	0.139	0.976	B
Lead	0.797	0.488	0.128	0.976	
Nickel	14.9	0.244	0.141	0.976	
Zinc	41.9	0.976	0.173	0.976	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-25	**19-07-0289-17-A**	**07/05/19 10:23**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 16:17**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	ND	0.503	0.136	1.01	
Chromium	31.3	0.251	0.143	1.01	B
Lead	0.986	0.503	0.132	1.01	
Nickel	13.2	0.251	0.145	1.01	
Zinc	38.6	1.01	0.178	1.01	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-10	**19-07-0289-20-A**	**07/05/19 10:50**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 15:59**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	ND	0.488	0.132	0.976	
Chromium	37.4	0.244	0.139	0.976	B
Lead	1.48	0.488	0.128	0.976	
Nickel	14.0	0.244	0.141	0.976	
Zinc	39.1	0.976	0.173	0.976	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-20	**19-07-0289-22-A**	**07/05/19 10:54**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 16:01**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	ND	0.500	0.135	1.00	
Chromium	30.4	0.250	0.142	1.00	B
Lead	0.960	0.500	0.132	1.00	
Nickel	12.0	0.250	0.145	1.00	
Zinc	33.7	1.00	0.178	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-30	**19-07-0289-24-A**	**07/05/19 11:01**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 16:08**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	ND	0.498	0.135	0.995	
Chromium	33.6	0.249	0.142	0.995	B
Lead	1.44	0.498	0.131	0.995	
Nickel	14.1	0.249	0.144	0.995	
Zinc	41.5	0.995	0.177	0.995	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-5	**19-07-0289-25-A**	**07/05/19 11:26**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 16:19**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	ND	0.493	0.133	0.985	
Chromium	32.6	0.246	0.140	0.985	B
Lead	2.94	0.493	0.130	0.985	
Nickel	13.6	0.246	0.143	0.985	
Zinc	44.6	0.985	0.175	0.985	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-15	**19-07-0289-27-A**	**07/05/19 11:30**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 16:10**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	0.141	0.500	0.135	1.00	J
Chromium	46.9	0.250	0.142	1.00	B
Lead	0.641	0.500	0.132	1.00	
Nickel	16.2	0.250	0.145	1.00	
Zinc	44.2	1.00	0.178	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-25	**19-07-0289-29-A**	**07/05/19 11:37**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 16:12**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	0.278	0.503	0.136	1.01	J
Chromium	71.1	0.251	0.143	1.01	B
Lead	1.94	0.503	0.132	1.01	
Nickel	24.3	0.251	0.145	1.01	
Zinc	67.7	1.01	0.178	1.01	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-28092**	**N/A**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 13:21**	**190705L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	ND	0.498	0.135	0.995	
Chromium	0.154	0.249	0.142	0.995	J
Lead	ND	0.498	0.131	0.995	
Nickel	ND	0.249	0.144	0.995	
Zinc	ND	0.995	0.177	0.995	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
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
B-1-5	**19-07-0289-1-A**	**07/05/19 08:44**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 02:56**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	130	6.3	1.00	
Benzene	ND	5.1	0.13	1.00	
Bromobenzene	ND	5.1	0.21	1.00	
Bromochloromethane	ND	5.1	0.70	1.00	
Bromodichloromethane	ND	5.1	0.24	1.00	
Bromoform	ND	5.1	0.81	1.00	
Bromomethane	ND	25	9.6	1.00	
2-Butanone	ND	51	3.8	1.00	
n-Butylbenzene	ND	5.1	0.16	1.00	
sec-Butylbenzene	ND	5.1	0.59	1.00	
tert-Butylbenzene	ND	5.1	0.15	1.00	
Carbon Disulfide	ND	51	0.31	1.00	
Carbon Tetrachloride	ND	5.1	0.29	1.00	
Chlorobenzene	ND	5.1	0.23	1.00	
Chloroethane	ND	5.1	1.5	1.00	
Chloroform	ND	5.1	0.24	1.00	
Chloromethane	ND	25	0.31	1.00	
2-Chlorotoluene	ND	5.1	0.24	1.00	
4-Chlorotoluene	ND	5.1	0.22	1.00	
Dibromochloromethane	ND	5.1	0.58	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.8	1.00	
1,2-Dibromoethane	ND	5.1	0.26	1.00	
Dibromomethane	ND	5.1	0.79	1.00	
1,2-Dichlorobenzene	ND	5.1	0.23	1.00	
1,3-Dichlorobenzene	ND	5.1	0.18	1.00	
1,4-Dichlorobenzene	ND	5.1	0.23	1.00	
Dichlorodifluoromethane	ND	5.1	0.45	1.00	
1,1-Dichloroethane	ND	5.1	0.21	1.00	
1,2-Dichloroethane	ND	5.1	0.32	1.00	
1,1-Dichloroethene	ND	5.1	0.35	1.00	
c-1,2-Dichloroethene	ND	5.1	0.28	1.00	
t-1,2-Dichloroethene	ND	5.1	0.51	1.00	
1,2-Dichloropropane	ND	5.1	0.45	1.00	
1,3-Dichloropropane	ND	5.1	0.26	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.1	0.34	1.00	
1,1-Dichloropropene	ND	5.1	0.33	1.00	
c-1,3-Dichloropropene	ND	5.1	0.26	1.00	
t-1,3-Dichloropropene	ND	5.1	0.62	1.00	
Ethylbenzene	ND	5.1	0.15	1.00	
2-Hexanone	ND	51	1.8	1.00	
Isopropylbenzene	ND	5.1	0.56	1.00	
p-Isopropyltoluene	ND	5.1	0.64	1.00	
Methylene Chloride	ND	51	1.4	1.00	
4-Methyl-2-Pentanone	ND	51	4.4	1.00	
Naphthalene	ND	51	0.83	1.00	
n-Propylbenzene	ND	5.1	0.51	1.00	
Styrene	ND	5.1	0.61	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	0.35	1.00	
Tetrachloroethene	ND	5.1	0.21	1.00	
Toluene	ND	5.1	0.52	1.00	
1,2,3-Trichlorobenzene	ND	10	0.93	1.00	
1,2,4-Trichlorobenzene	ND	5.1	0.32	1.00	
1,1,1-Trichloroethane	ND	5.1	0.23	1.00	
1,1,2-Trichloroethane	ND	5.1	0.36	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	0.36	1.00	
Trichloroethene	ND	5.1	0.31	1.00	
1,2,3-Trichloropropane	ND	5.1	0.84	1.00	
1,2,4-Trimethylbenzene	ND	5.1	0.60	1.00	
Trichlorofluoromethane	ND	51	0.38	1.00	
1,3,5-Trimethylbenzene	ND	5.1	0.56	1.00	
Vinyl Acetate	ND	51	4.8	1.00	
Vinyl Chloride	ND	5.1	0.51	1.00	
p/m-Xylene	ND	5.1	0.27	1.00	
o-Xylene	ND	5.1	0.57	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	0.30	1.00	
Tert-Butyl Alcohol (TBA)	ND	51	5.3	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.49	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.51	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.36	1.00	
Ethanol	ND	250	85	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 3 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	108	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
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
B-1-10	**19-07-0289-2-A**	**07/05/19 08:48**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 02:27**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	130	6.4	1.00	
Benzene	ND	5.2	0.13	1.00	
Bromobenzene	ND	5.2	0.22	1.00	
Bromochloromethane	ND	5.2	0.71	1.00	
Bromodichloromethane	ND	5.2	0.24	1.00	
Bromoform	ND	5.2	0.82	1.00	
Bromomethane	ND	26	9.7	1.00	
2-Butanone	ND	52	3.9	1.00	
n-Butylbenzene	ND	5.2	0.16	1.00	
sec-Butylbenzene	ND	5.2	0.60	1.00	
tert-Butylbenzene	ND	5.2	0.16	1.00	
Carbon Disulfide	ND	52	0.32	1.00	
Carbon Tetrachloride	ND	5.2	0.29	1.00	
Chlorobenzene	ND	5.2	0.23	1.00	
Chloroethane	ND	5.2	1.5	1.00	
Chloroform	ND	5.2	0.25	1.00	
Chloromethane	ND	26	0.31	1.00	
2-Chlorotoluene	ND	5.2	0.24	1.00	
4-Chlorotoluene	ND	5.2	0.22	1.00	
Dibromochloromethane	ND	5.2	0.59	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.8	1.00	
1,2-Dibromoethane	ND	5.2	0.26	1.00	
Dibromomethane	ND	5.2	0.80	1.00	
1,2-Dichlorobenzene	ND	5.2	0.24	1.00	
1,3-Dichlorobenzene	ND	5.2	0.18	1.00	
1,4-Dichlorobenzene	ND	5.2	0.23	1.00	
Dichlorodifluoromethane	ND	5.2	0.46	1.00	
1,1-Dichloroethane	ND	5.2	0.22	1.00	
1,2-Dichloroethane	ND	5.2	0.32	1.00	
1,1-Dichloroethene	ND	5.2	0.36	1.00	
c-1,2-Dichloroethene	ND	5.2	0.29	1.00	
t-1,2-Dichloroethene	ND	5.2	0.52	1.00	
1,2-Dichloropropane	ND	5.2	0.45	1.00	
1,3-Dichloropropane	ND	5.2	0.26	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.2	0.34	1.00	
1,1-Dichloropropene	ND	5.2	0.34	1.00	
c-1,3-Dichloropropene	ND	5.2	0.26	1.00	
t-1,3-Dichloropropene	ND	5.2	0.63	1.00	
Ethylbenzene	ND	5.2	0.16	1.00	
2-Hexanone	ND	52	1.8	1.00	
Isopropylbenzene	ND	5.2	0.56	1.00	
p-Isopropyltoluene	ND	5.2	0.65	1.00	
Methylene Chloride	ND	52	1.4	1.00	
4-Methyl-2-Pentanone	ND	52	4.5	1.00	
Naphthalene	ND	52	0.84	1.00	
n-Propylbenzene	ND	5.2	0.52	1.00	
Styrene	ND	5.2	0.62	1.00	
1,1,1,2-Tetrachloroethane	ND	5.2	0.25	1.00	
1,1,2,2-Tetrachloroethane	ND	5.2	0.36	1.00	
Tetrachloroethene	ND	5.2	0.22	1.00	
Toluene	ND	5.2	0.53	1.00	
1,2,3-Trichlorobenzene	ND	10	0.94	1.00	
1,2,4-Trichlorobenzene	ND	5.2	0.32	1.00	
1,1,1-Trichloroethane	ND	5.2	0.23	1.00	
1,1,2-Trichloroethane	ND	5.2	0.37	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	52	0.36	1.00	
Trichloroethene	ND	5.2	0.31	1.00	
1,2,3-Trichloropropane	ND	5.2	0.86	1.00	
1,2,4-Trimethylbenzene	ND	5.2	0.61	1.00	
Trichlorofluoromethane	ND	52	0.39	1.00	
1,3,5-Trimethylbenzene	ND	5.2	0.57	1.00	
Vinyl Acetate	ND	52	4.9	1.00	
Vinyl Chloride	ND	5.2	0.52	1.00	
p/m-Xylene	ND	5.2	0.28	1.00	
o-Xylene	ND	5.2	0.57	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.2	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	52	5.3	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.52	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.36	1.00	
Ethanol	ND	260	86	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 6 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	108	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
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
B-1-15	**19-07-0289-3-A**	**07/05/19 08:49**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 04:54**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1.00	
Benzene	ND	5.0	0.13	1.00	
Bromobenzene	ND	5.0	0.21	1.00	
Bromochloromethane	ND	5.0	0.69	1.00	
Bromodichloromethane	ND	5.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	25	9.4	1.00	
2-Butanone	ND	50	3.8	1.00	
n-Butylbenzene	0.26	5.0	0.16	1.00	J
sec-Butylbenzene	ND	5.0	0.58	1.00	
tert-Butylbenzene	ND	5.0	0.15	1.00	
Carbon Disulfide	ND	50	0.31	1.00	
Carbon Tetrachloride	ND	5.0	0.28	1.00	
Chlorobenzene	ND	5.0	0.22	1.00	
Chloroethane	ND	5.0	1.5	1.00	
Chloroform	ND	5.0	0.24	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	5.0	0.23	1.00	
4-Chlorotoluene	ND	5.0	0.21	1.00	
Dibromochloromethane	ND	5.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1.00	
1,2-Dibromoethane	ND	5.0	0.26	1.00	
Dibromomethane	ND	5.0	0.77	1.00	
1,2-Dichlorobenzene	ND	5.0	0.23	1.00	
1,3-Dichlorobenzene	ND	5.0	0.18	1.00	
1,4-Dichlorobenzene	ND	5.0	0.22	1.00	
Dichlorodifluoromethane	ND	5.0	0.44	1.00	
1,1-Dichloroethane	ND	5.0	0.21	1.00	
1,2-Dichloroethane	ND	5.0	0.31	1.00	
1,1-Dichloroethene	ND	5.0	0.35	1.00	
c-1,2-Dichloroethene	ND	5.0	0.28	1.00	
t-1,2-Dichloroethene	ND	5.0	0.51	1.00	
1,2-Dichloropropane	ND	5.0	0.44	1.00	
1,3-Dichloropropane	ND	5.0	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	5.0	0.33	1.00	
c-1,3-Dichloropropene	ND	5.0	0.25	1.00	
t-1,3-Dichloropropene	ND	5.0	0.61	1.00	
Ethylbenzene	ND	5.0	0.15	1.00	
2-Hexanone	ND	50	1.8	1.00	
Isopropylbenzene	ND	5.0	0.55	1.00	
p-Isopropyltoluene	ND	5.0	0.63	1.00	
Methylene Chloride	ND	50	1.3	1.00	
4-Methyl-2-Pentanone	ND	50	4.3	1.00	
Naphthalene	ND	50	0.81	1.00	
n-Propylbenzene	ND	5.0	0.50	1.00	
Styrene	ND	5.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1.00	
Tetrachloroethene	ND	5.0	0.21	1.00	
Toluene	ND	5.0	0.52	1.00	
1,2,3-Trichlorobenzene	ND	10	0.91	1.00	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1.00	
1,1,1-Trichloroethane	ND	5.0	0.23	1.00	
1,1,2-Trichloroethane	ND	5.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1.00	
Trichloroethene	ND	5.0	0.30	1.00	
1,2,3-Trichloropropane	ND	5.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1.00	
Trichlorofluoromethane	ND	50	0.38	1.00	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1.00	
Vinyl Acetate	ND	50	4.7	1.00	
Vinyl Chloride	ND	5.0	0.50	1.00	
p/m-Xylene	ND	5.0	0.27	1.00	
o-Xylene	ND	5.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	5.2	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.48	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.51	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.35	1.00	
Ethanol	ND	250	84	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 9 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	105	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

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 10 of 96

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-20	**19-07-0289-4-A**	**07/05/19 08:52**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 05:23**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1.00	
Benzene	ND	4.9	0.13	1.00	
Bromobenzene	ND	4.9	0.21	1.00	
Bromochloromethane	ND	4.9	0.68	1.00	
Bromodichloromethane	ND	4.9	0.23	1.00	
Bromoform	ND	4.9	0.78	1.00	
Bromomethane	ND	25	9.3	1.00	
2-Butanone	ND	49	3.7	1.00	
n-Butylbenzene	ND	4.9	0.15	1.00	
sec-Butylbenzene	ND	4.9	0.57	1.00	
tert-Butylbenzene	ND	4.9	0.15	1.00	
Carbon Disulfide	ND	49	0.30	1.00	
Carbon Tetrachloride	ND	4.9	0.28	1.00	
Chlorobenzene	ND	4.9	0.22	1.00	
Chloroethane	ND	4.9	1.5	1.00	
Chloroform	ND	4.9	0.24	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	4.9	0.23	1.00	
4-Chlorotoluene	ND	4.9	0.21	1.00	
Dibromochloromethane	ND	4.9	0.56	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.7	1.00	
1,2-Dibromoethane	ND	4.9	0.25	1.00	
Dibromomethane	ND	4.9	0.76	1.00	
1,2-Dichlorobenzene	ND	4.9	0.23	1.00	
1,3-Dichlorobenzene	ND	4.9	0.17	1.00	
1,4-Dichlorobenzene	ND	4.9	0.22	1.00	
Dichlorodifluoromethane	ND	4.9	0.44	1.00	
1,1-Dichloroethane	ND	4.9	0.21	1.00	
1,2-Dichloroethane	ND	4.9	0.31	1.00	
1,1-Dichloroethene	ND	4.9	0.34	1.00	
c-1,2-Dichloroethene	ND	4.9	0.28	1.00	
t-1,2-Dichloroethene	ND	4.9	0.50	1.00	
1,2-Dichloropropane	ND	4.9	0.43	1.00	
1,3-Dichloropropane	ND	4.9	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.33	1.00	
1,1-Dichloropropene	ND	4.9	0.32	1.00	
c-1,3-Dichloropropene	ND	4.9	0.25	1.00	
t-1,3-Dichloropropene	ND	4.9	0.60	1.00	
Ethylbenzene	ND	4.9	0.15	1.00	
2-Hexanone	ND	49	1.7	1.00	
Isopropylbenzene	ND	4.9	0.54	1.00	
p-Isopropyltoluene	ND	4.9	0.62	1.00	
Methylene Chloride	ND	49	1.3	1.00	
4-Methyl-2-Pentanone	ND	49	4.3	1.00	
Naphthalene	ND	49	0.80	1.00	
n-Propylbenzene	ND	4.9	0.49	1.00	
Styrene	ND	4.9	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	0.34	1.00	
Tetrachloroethene	ND	4.9	0.21	1.00	
Toluene	ND	4.9	0.51	1.00	
1,2,3-Trichlorobenzene	ND	9.9	0.90	1.00	
1,2,4-Trichlorobenzene	ND	4.9	0.31	1.00	
1,1,1-Trichloroethane	ND	4.9	0.22	1.00	
1,1,2-Trichloroethane	ND	4.9	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	0.35	1.00	
Trichloroethene	ND	4.9	0.30	1.00	
1,2,3-Trichloropropane	ND	4.9	0.82	1.00	
1,2,4-Trimethylbenzene	ND	4.9	0.58	1.00	
Trichlorofluoromethane	ND	49	0.37	1.00	
1,3,5-Trimethylbenzene	ND	4.9	0.54	1.00	
Vinyl Acetate	ND	49	4.7	1.00	
Vinyl Chloride	ND	4.9	0.50	1.00	
p/m-Xylene	ND	4.9	0.26	1.00	
o-Xylene	ND	4.9	0.55	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	5.1	1.00	
Diisopropyl Ether (DIPE)	ND	9.9	0.48	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.9	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.9	0.35	1.00	
Ethanol	ND	250	82	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 12 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	110	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

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 13 of 96

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-25	**19-07-0289-5-A**	**07/05/19 08:58**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 05:52**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1.00	
Benzene	ND	5.0	0.13	1.00	
Bromobenzene	ND	5.0	0.21	1.00	
Bromochloromethane	ND	5.0	0.69	1.00	
Bromodichloromethane	ND	5.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	25	9.4	1.00	
2-Butanone	ND	50	3.8	1.00	
n-Butylbenzene	ND	5.0	0.16	1.00	
sec-Butylbenzene	ND	5.0	0.58	1.00	
tert-Butylbenzene	ND	5.0	0.15	1.00	
Carbon Disulfide	ND	50	0.31	1.00	
Carbon Tetrachloride	ND	5.0	0.28	1.00	
Chlorobenzene	ND	5.0	0.22	1.00	
Chloroethane	ND	5.0	1.5	1.00	
Chloroform	ND	5.0	0.24	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	5.0	0.23	1.00	
4-Chlorotoluene	ND	5.0	0.21	1.00	
Dibromochloromethane	ND	5.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1.00	
1,2-Dibromoethane	ND	5.0	0.25	1.00	
Dibromomethane	ND	5.0	0.77	1.00	
1,2-Dichlorobenzene	ND	5.0	0.23	1.00	
1,3-Dichlorobenzene	ND	5.0	0.18	1.00	
1,4-Dichlorobenzene	ND	5.0	0.22	1.00	
Dichlorodifluoromethane	ND	5.0	0.44	1.00	
1,1-Dichloroethane	ND	5.0	0.21	1.00	
1,2-Dichloroethane	ND	5.0	0.31	1.00	
1,1-Dichloroethene	ND	5.0	0.35	1.00	
c-1,2-Dichloroethene	ND	5.0	0.28	1.00	
t-1,2-Dichloroethene	ND	5.0	0.50	1.00	
1,2-Dichloropropane	ND	5.0	0.44	1.00	
1,3-Dichloropropane	ND	5.0	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	5.0	0.33	1.00	
c-1,3-Dichloropropene	ND	5.0	0.25	1.00	
t-1,3-Dichloropropene	ND	5.0	0.60	1.00	
Ethylbenzene	ND	5.0	0.15	1.00	
2-Hexanone	ND	50	1.8	1.00	
Isopropylbenzene	ND	5.0	0.55	1.00	
p-Isopropyltoluene	ND	5.0	0.63	1.00	
Methylene Chloride	ND	50	1.3	1.00	
4-Methyl-2-Pentanone	ND	50	4.3	1.00	
Naphthalene	ND	50	0.81	1.00	
n-Propylbenzene	ND	5.0	0.50	1.00	
Styrene	ND	5.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1.00	
Tetrachloroethene	ND	5.0	0.21	1.00	
Toluene	ND	5.0	0.51	1.00	
1,2,3-Trichlorobenzene	ND	10	0.91	1.00	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1.00	
1,1,1-Trichloroethane	ND	5.0	0.22	1.00	
1,1,2-Trichloroethane	ND	5.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1.00	
Trichloroethene	ND	5.0	0.30	1.00	
1,2,3-Trichloropropane	ND	5.0	0.83	1.00	
1,2,4-Trimethylbenzene	3.5	5.0	0.59	1.00	J
Trichlorofluoromethane	ND	50	0.37	1.00	
1,3,5-Trimethylbenzene	1.6	5.0	0.55	1.00	J
Vinyl Acetate	ND	50	4.7	1.00	
Vinyl Chloride	ND	5.0	0.50	1.00	
p/m-Xylene	1.0	5.0	0.27	1.00	J
o-Xylene	1.8	5.0	0.56	1.00	J
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.29	1.00	
Tert-Butyl Alcohol (TBA)	23	50	5.2	1.00	J
Diisopropyl Ether (DIPE)	ND	10	0.48	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.51	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.35	1.00	
Ethanol	ND	250	83	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 15 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	109	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

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 16 of 96

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-30	**19-07-0289-6-A**	**07/05/19 09:00**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 06:22**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.1	1.00	
Benzene	ND	4.9	0.13	1.00	
Bromobenzene	ND	4.9	0.20	1.00	
Bromochloromethane	ND	4.9	0.67	1.00	
Bromodichloromethane	ND	4.9	0.23	1.00	
Bromoform	ND	4.9	0.78	1.00	
Bromomethane	ND	24	9.2	1.00	
2-Butanone	ND	49	3.7	1.00	
n-Butylbenzene	ND	4.9	0.15	1.00	
sec-Butylbenzene	ND	4.9	0.56	1.00	
tert-Butylbenzene	ND	4.9	0.15	1.00	
Carbon Disulfide	ND	49	0.30	1.00	
Carbon Tetrachloride	ND	4.9	0.28	1.00	
Chlorobenzene	ND	4.9	0.22	1.00	
Chloroethane	ND	4.9	1.5	1.00	
Chloroform	ND	4.9	0.23	1.00	
Chloromethane	ND	24	0.30	1.00	
2-Chlorotoluene	ND	4.9	0.23	1.00	
4-Chlorotoluene	ND	4.9	0.21	1.00	
Dibromochloromethane	ND	4.9	0.56	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.8	1.7	1.00	
1,2-Dibromoethane	ND	4.9	0.25	1.00	
Dibromomethane	ND	4.9	0.76	1.00	
1,2-Dichlorobenzene	ND	4.9	0.22	1.00	
1,3-Dichlorobenzene	ND	4.9	0.17	1.00	
1,4-Dichlorobenzene	ND	4.9	0.22	1.00	
Dichlorodifluoromethane	ND	4.9	0.43	1.00	
1,1-Dichloroethane	ND	4.9	0.21	1.00	
1,2-Dichloroethane	ND	4.9	0.31	1.00	
1,1-Dichloroethene	ND	4.9	0.34	1.00	
c-1,2-Dichloroethene	ND	4.9	0.27	1.00	
t-1,2-Dichloroethene	ND	4.9	0.49	1.00	
1,2-Dichloropropane	ND	4.9	0.43	1.00	
1,3-Dichloropropane	ND	4.9	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.32	1.00	
1,1-Dichloropropene	ND	4.9	0.32	1.00	
c-1,3-Dichloropropene	ND	4.9	0.25	1.00	
t-1,3-Dichloropropene	ND	4.9	0.59	1.00	
Ethylbenzene	ND	4.9	0.15	1.00	
2-Hexanone	ND	49	1.7	1.00	
Isopropylbenzene	ND	4.9	0.53	1.00	
p-Isopropyltoluene	ND	4.9	0.61	1.00	
Methylene Chloride	ND	49	1.3	1.00	
4-Methyl-2-Pentanone	ND	49	4.2	1.00	
Naphthalene	ND	49	0.79	1.00	
n-Propylbenzene	ND	4.9	0.49	1.00	
Styrene	ND	4.9	0.59	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	0.23	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	0.34	1.00	
Tetrachloroethene	ND	4.9	0.20	1.00	
Toluene	ND	4.9	0.50	1.00	
1,2,3-Trichlorobenzene	ND	9.8	0.89	1.00	
1,2,4-Trichlorobenzene	ND	4.9	0.30	1.00	
1,1,1-Trichloroethane	ND	4.9	0.22	1.00	
1,1,2-Trichloroethane	ND	4.9	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	0.34	1.00	
Trichloroethene	ND	4.9	0.29	1.00	
1,2,3-Trichloropropane	ND	4.9	0.81	1.00	
1,2,4-Trimethylbenzene	ND	4.9	0.57	1.00	
Trichlorofluoromethane	ND	49	0.37	1.00	
1,3,5-Trimethylbenzene	ND	4.9	0.54	1.00	
Vinyl Acetate	ND	49	4.6	1.00	
Vinyl Chloride	ND	4.9	0.49	1.00	
p/m-Xylene	ND	4.9	0.26	1.00	
o-Xylene	ND	4.9	0.54	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	5.1	1.00	
Diisopropyl Ether (DIPE)	ND	9.8	0.47	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.8	0.49	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.8	0.34	1.00	
Ethanol	ND	240	82	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 18 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	104	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-5	**19-07-0289-7-A**	**07/05/19 09:23**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 06:51**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.1	1.00	
Benzene	ND	4.9	0.13	1.00	
Bromobenzene	ND	4.9	0.20	1.00	
Bromochloromethane	ND	4.9	0.67	1.00	
Bromodichloromethane	ND	4.9	0.23	1.00	
Bromoform	ND	4.9	0.78	1.00	
Bromomethane	ND	24	9.2	1.00	
2-Butanone	ND	49	3.7	1.00	
n-Butylbenzene	ND	4.9	0.15	1.00	
sec-Butylbenzene	ND	4.9	0.56	1.00	
tert-Butylbenzene	ND	4.9	0.15	1.00	
Carbon Disulfide	ND	49	0.30	1.00	
Carbon Tetrachloride	ND	4.9	0.28	1.00	
Chlorobenzene	ND	4.9	0.22	1.00	
Chloroethane	ND	4.9	1.5	1.00	
Chloroform	ND	4.9	0.23	1.00	
Chloromethane	ND	24	0.30	1.00	
2-Chlorotoluene	ND	4.9	0.23	1.00	
4-Chlorotoluene	ND	4.9	0.21	1.00	
Dibromochloromethane	ND	4.9	0.56	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.8	1.7	1.00	
1,2-Dibromoethane	ND	4.9	0.25	1.00	
Dibromomethane	ND	4.9	0.76	1.00	
1,2-Dichlorobenzene	ND	4.9	0.22	1.00	
1,3-Dichlorobenzene	ND	4.9	0.17	1.00	
1,4-Dichlorobenzene	ND	4.9	0.22	1.00	
Dichlorodifluoromethane	ND	4.9	0.43	1.00	
1,1-Dichloroethane	ND	4.9	0.21	1.00	
1,2-Dichloroethane	ND	4.9	0.31	1.00	
1,1-Dichloroethene	ND	4.9	0.34	1.00	
c-1,2-Dichloroethene	ND	4.9	0.27	1.00	
t-1,2-Dichloroethene	ND	4.9	0.49	1.00	
1,2-Dichloropropane	ND	4.9	0.43	1.00	
1,3-Dichloropropane	ND	4.9	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.32	1.00	
1,1-Dichloropropene	ND	4.9	0.32	1.00	
c-1,3-Dichloropropene	ND	4.9	0.25	1.00	
t-1,3-Dichloropropene	ND	4.9	0.59	1.00	
Ethylbenzene	ND	4.9	0.15	1.00	
2-Hexanone	ND	49	1.7	1.00	
Isopropylbenzene	ND	4.9	0.53	1.00	
p-Isopropyltoluene	ND	4.9	0.61	1.00	
Methylene Chloride	ND	49	1.3	1.00	
4-Methyl-2-Pentanone	ND	49	4.2	1.00	
Naphthalene	ND	49	0.79	1.00	
n-Propylbenzene	ND	4.9	0.49	1.00	
Styrene	ND	4.9	0.59	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	0.23	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	0.34	1.00	
Tetrachloroethene	ND	4.9	0.20	1.00	
Toluene	ND	4.9	0.50	1.00	
1,2,3-Trichlorobenzene	ND	9.8	0.89	1.00	
1,2,4-Trichlorobenzene	ND	4.9	0.30	1.00	
1,1,1-Trichloroethane	ND	4.9	0.22	1.00	
1,1,2-Trichloroethane	ND	4.9	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	0.34	1.00	
Trichloroethene	ND	4.9	0.29	1.00	
1,2,3-Trichloropropane	ND	4.9	0.81	1.00	
1,2,4-Trimethylbenzene	ND	4.9	0.57	1.00	
Trichlorofluoromethane	ND	49	0.37	1.00	
1,3,5-Trimethylbenzene	ND	4.9	0.54	1.00	
Vinyl Acetate	ND	49	4.6	1.00	
Vinyl Chloride	ND	4.9	0.49	1.00	
p/m-Xylene	ND	4.9	0.26	1.00	
o-Xylene	ND	4.9	0.54	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	5.1	1.00	
Diisopropyl Ether (DIPE)	ND	9.8	0.47	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.8	0.49	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.8	0.34	1.00	
Ethanol	ND	240	82	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 21 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	107	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

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 22 of 96

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-10	**19-07-0289-8-A**	**07/05/19 09:25**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 07:20**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.1	1.00	
Benzene	ND	4.9	0.13	1.00	
Bromobenzene	ND	4.9	0.20	1.00	
Bromochloromethane	ND	4.9	0.67	1.00	
Bromodichloromethane	ND	4.9	0.23	1.00	
Bromoform	ND	4.9	0.78	1.00	
Bromomethane	ND	24	9.2	1.00	
2-Butanone	ND	49	3.7	1.00	
n-Butylbenzene	ND	4.9	0.15	1.00	
sec-Butylbenzene	ND	4.9	0.56	1.00	
tert-Butylbenzene	ND	4.9	0.15	1.00	
Carbon Disulfide	ND	49	0.30	1.00	
Carbon Tetrachloride	ND	4.9	0.28	1.00	
Chlorobenzene	ND	4.9	0.22	1.00	
Chloroethane	ND	4.9	1.5	1.00	
Chloroform	ND	4.9	0.23	1.00	
Chloromethane	ND	24	0.30	1.00	
2-Chlorotoluene	ND	4.9	0.23	1.00	
4-Chlorotoluene	ND	4.9	0.21	1.00	
Dibromochloromethane	ND	4.9	0.56	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.8	1.7	1.00	
1,2-Dibromoethane	ND	4.9	0.25	1.00	
Dibromomethane	ND	4.9	0.76	1.00	
1,2-Dichlorobenzene	ND	4.9	0.22	1.00	
1,3-Dichlorobenzene	ND	4.9	0.17	1.00	
1,4-Dichlorobenzene	ND	4.9	0.22	1.00	
Dichlorodifluoromethane	ND	4.9	0.43	1.00	
1,1-Dichloroethane	ND	4.9	0.21	1.00	
1,2-Dichloroethane	ND	4.9	0.31	1.00	
1,1-Dichloroethene	ND	4.9	0.34	1.00	
c-1,2-Dichloroethene	ND	4.9	0.27	1.00	
t-1,2-Dichloroethene	ND	4.9	0.49	1.00	
1,2-Dichloropropane	ND	4.9	0.43	1.00	
1,3-Dichloropropane	ND	4.9	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.32	1.00	
1,1-Dichloropropene	ND	4.9	0.32	1.00	
c-1,3-Dichloropropene	ND	4.9	0.25	1.00	
t-1,3-Dichloropropene	ND	4.9	0.59	1.00	
Ethylbenzene	ND	4.9	0.15	1.00	
2-Hexanone	ND	49	1.7	1.00	
Isopropylbenzene	ND	4.9	0.53	1.00	
p-Isopropyltoluene	ND	4.9	0.61	1.00	
Methylene Chloride	ND	49	1.3	1.00	
4-Methyl-2-Pentanone	ND	49	4.2	1.00	
Naphthalene	ND	49	0.79	1.00	
n-Propylbenzene	ND	4.9	0.49	1.00	
Styrene	ND	4.9	0.59	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	0.23	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	0.34	1.00	
Tetrachloroethene	ND	4.9	0.20	1.00	
Toluene	ND	4.9	0.50	1.00	
1,2,3-Trichlorobenzene	ND	9.8	0.89	1.00	
1,2,4-Trichlorobenzene	ND	4.9	0.30	1.00	
1,1,1-Trichloroethane	ND	4.9	0.22	1.00	
1,1,2-Trichloroethane	ND	4.9	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	0.34	1.00	
Trichloroethene	ND	4.9	0.29	1.00	
1,2,3-Trichloropropane	ND	4.9	0.81	1.00	
1,2,4-Trimethylbenzene	ND	4.9	0.57	1.00	
Trichlorofluoromethane	ND	49	0.37	1.00	
1,3,5-Trimethylbenzene	ND	4.9	0.54	1.00	
Vinyl Acetate	ND	49	4.6	1.00	
Vinyl Chloride	ND	4.9	0.49	1.00	
p/m-Xylene	ND	4.9	0.26	1.00	
o-Xylene	ND	4.9	0.54	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	5.1	1.00	
Diisopropyl Ether (DIPE)	ND	9.8	0.47	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.8	0.49	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.8	0.34	1.00	
Ethanol	ND	240	82	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 24 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	108	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

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 25 of 96

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-15	**19-07-0289-9-A**	**07/05/19 09:27**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 07:50**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1.00	
Benzene	ND	5.0	0.13	1.00	
Bromobenzene	ND	5.0	0.21	1.00	
Bromochloromethane	ND	5.0	0.69	1.00	
Bromodichloromethane	ND	5.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	25	9.4	1.00	
2-Butanone	ND	50	3.8	1.00	
n-Butylbenzene	ND	5.0	0.16	1.00	
sec-Butylbenzene	ND	5.0	0.58	1.00	
tert-Butylbenzene	ND	5.0	0.15	1.00	
Carbon Disulfide	ND	50	0.30	1.00	
Carbon Tetrachloride	ND	5.0	0.28	1.00	
Chlorobenzene	ND	5.0	0.22	1.00	
Chloroethane	ND	5.0	1.5	1.00	
Chloroform	ND	5.0	0.24	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	5.0	0.23	1.00	
4-Chlorotoluene	ND	5.0	0.21	1.00	
Dibromochloromethane	ND	5.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1.00	
1,2-Dibromoethane	ND	5.0	0.25	1.00	
Dibromomethane	ND	5.0	0.77	1.00	
1,2-Dichlorobenzene	ND	5.0	0.23	1.00	
1,3-Dichlorobenzene	ND	5.0	0.18	1.00	
1,4-Dichlorobenzene	ND	5.0	0.22	1.00	
Dichlorodifluoromethane	ND	5.0	0.44	1.00	
1,1-Dichloroethane	ND	5.0	0.21	1.00	
1,2-Dichloroethane	ND	5.0	0.31	1.00	
1,1-Dichloroethene	ND	5.0	0.34	1.00	
c-1,2-Dichloroethene	ND	5.0	0.28	1.00	
t-1,2-Dichloroethene	ND	5.0	0.50	1.00	
1,2-Dichloropropane	ND	5.0	0.44	1.00	
1,3-Dichloropropane	ND	5.0	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	5.0	0.33	1.00	
c-1,3-Dichloropropene	ND	5.0	0.25	1.00	
t-1,3-Dichloropropene	ND	5.0	0.60	1.00	
Ethylbenzene	ND	5.0	0.15	1.00	
2-Hexanone	ND	50	1.8	1.00	
Isopropylbenzene	ND	5.0	0.54	1.00	
p-Isopropyltoluene	ND	5.0	0.63	1.00	
Methylene Chloride	ND	50	1.3	1.00	
4-Methyl-2-Pentanone	ND	50	4.3	1.00	
Naphthalene	ND	50	0.81	1.00	
n-Propylbenzene	ND	5.0	0.50	1.00	
Styrene	ND	5.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	0.34	1.00	
Tetrachloroethene	ND	5.0	0.21	1.00	
Toluene	ND	5.0	0.51	1.00	
1,2,3-Trichlorobenzene	ND	10	0.91	1.00	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1.00	
1,1,1-Trichloroethane	ND	5.0	0.22	1.00	
1,1,2-Trichloroethane	ND	5.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1.00	
Trichloroethene	ND	5.0	0.30	1.00	
1,2,3-Trichloropropane	ND	5.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	5.0	0.58	1.00	
Trichlorofluoromethane	ND	50	0.37	1.00	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1.00	
Vinyl Acetate	ND	50	4.7	1.00	
Vinyl Chloride	ND	5.0	0.50	1.00	
p/m-Xylene	ND	5.0	0.27	1.00	
o-Xylene	ND	5.0	0.55	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	5.2	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.48	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.35	1.00	
Ethanol	ND	250	83	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 27 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	108	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

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 28 of 96

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-20	**19-07-0289-10-A**	**07/05/19 09:30**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 08:19**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	130	6.3	1.00	
Benzene	ND	5.0	0.13	1.00	
Bromobenzene	ND	5.0	0.21	1.00	
Bromochloromethane	ND	5.0	0.70	1.00	
Bromodichloromethane	ND	5.0	0.23	1.00	
Bromoform	ND	5.0	0.80	1.00	
Bromomethane	ND	25	9.5	1.00	
2-Butanone	ND	50	3.8	1.00	
n-Butylbenzene	ND	5.0	0.16	1.00	
sec-Butylbenzene	ND	5.0	0.58	1.00	
tert-Butylbenzene	ND	5.0	0.15	1.00	
Carbon Disulfide	ND	50	0.31	1.00	
Carbon Tetrachloride	ND	5.0	0.29	1.00	
Chlorobenzene	ND	5.0	0.23	1.00	
Chloroethane	ND	5.0	1.5	1.00	
Chloroform	ND	5.0	0.24	1.00	
Chloromethane	ND	25	0.31	1.00	
2-Chlorotoluene	ND	5.0	0.23	1.00	
4-Chlorotoluene	ND	5.0	0.21	1.00	
Dibromochloromethane	ND	5.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.8	1.00	
1,2-Dibromoethane	ND	5.0	0.26	1.00	
Dibromomethane	ND	5.0	0.78	1.00	
1,2-Dichlorobenzene	ND	5.0	0.23	1.00	
1,3-Dichlorobenzene	ND	5.0	0.18	1.00	
1,4-Dichlorobenzene	ND	5.0	0.22	1.00	
Dichlorodifluoromethane	ND	5.0	0.45	1.00	
1,1-Dichloroethane	ND	5.0	0.21	1.00	
1,2-Dichloroethane	ND	5.0	0.32	1.00	
1,1-Dichloroethene	ND	5.0	0.35	1.00	
c-1,2-Dichloroethene	ND	5.0	0.28	1.00	
t-1,2-Dichloroethene	ND	5.0	0.51	1.00	
1,2-Dichloropropane	ND	5.0	0.44	1.00	
1,3-Dichloropropane	ND	5.0	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	5.0	0.33	1.00	
c-1,3-Dichloropropene	ND	5.0	0.26	1.00	
t-1,3-Dichloropropene	ND	5.0	0.61	1.00	
Ethylbenzene	ND	5.0	0.15	1.00	
2-Hexanone	ND	50	1.8	1.00	
Isopropylbenzene	ND	5.0	0.55	1.00	
p-Isopropyltoluene	ND	5.0	0.63	1.00	
Methylene Chloride	ND	50	1.3	1.00	
4-Methyl-2-Pentanone	ND	50	4.4	1.00	
Naphthalene	ND	50	0.82	1.00	
n-Propylbenzene	ND	5.0	0.51	1.00	
Styrene	ND	5.0	0.61	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1.00	
Tetrachloroethene	ND	5.0	0.21	1.00	
Toluene	ND	5.0	0.52	1.00	
1,2,3-Trichlorobenzene	ND	10	0.92	1.00	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1.00	
1,1,1-Trichloroethane	ND	5.0	0.23	1.00	
1,1,2-Trichloroethane	ND	5.0	0.36	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1.00	
Trichloroethene	ND	5.0	0.30	1.00	
1,2,3-Trichloropropane	ND	5.0	0.84	1.00	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1.00	
Trichlorofluoromethane	ND	50	0.38	1.00	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1.00	
Vinyl Acetate	ND	50	4.8	1.00	
Vinyl Chloride	ND	5.0	0.51	1.00	
p/m-Xylene	ND	5.0	0.27	1.00	
o-Xylene	ND	5.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	5.2	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.49	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.51	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.36	1.00	
Ethanol	ND	250	84	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 30 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	112	79-133	
1,2-Dichloroethane-d4	112	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-25	**19-07-0289-11-A**	**07/05/19 09:57**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 08:48**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.0	1.00	
Benzene	ND	4.8	0.13	1.00	
Bromobenzene	ND	4.8	0.20	1.00	
Bromochloromethane	ND	4.8	0.67	1.00	
Bromodichloromethane	ND	4.8	0.23	1.00	
Bromoform	ND	4.8	0.77	1.00	
Bromomethane	ND	24	9.1	1.00	
2-Butanone	ND	48	3.6	1.00	
n-Butylbenzene	ND	4.8	0.15	1.00	
sec-Butylbenzene	ND	4.8	0.56	1.00	
tert-Butylbenzene	ND	4.8	0.15	1.00	
Carbon Disulfide	ND	48	0.30	1.00	
Carbon Tetrachloride	ND	4.8	0.27	1.00	
Chlorobenzene	ND	4.8	0.22	1.00	
Chloroethane	ND	4.8	1.4	1.00	
Chloroform	ND	4.8	0.23	1.00	
Chloromethane	0.30	24	0.29	1.00	J
2-Chlorotoluene	ND	4.8	0.22	1.00	
4-Chlorotoluene	ND	4.8	0.21	1.00	
Dibromochloromethane	ND	4.8	0.55	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.7	1.7	1.00	
1,2-Dibromoethane	ND	4.8	0.25	1.00	
Dibromomethane	ND	4.8	0.75	1.00	
1,2-Dichlorobenzene	ND	4.8	0.22	1.00	
1,3-Dichlorobenzene	ND	4.8	0.17	1.00	
1,4-Dichlorobenzene	ND	4.8	0.21	1.00	
Dichlorodifluoromethane	ND	4.8	0.43	1.00	
1,1-Dichloroethane	ND	4.8	0.20	1.00	
1,2-Dichloroethane	ND	4.8	0.30	1.00	
1,1-Dichloroethene	ND	4.8	0.33	1.00	
c-1,2-Dichloroethene	ND	4.8	0.27	1.00	
t-1,2-Dichloroethene	ND	4.8	0.49	1.00	
1,2-Dichloropropane	ND	4.8	0.42	1.00	
1,3-Dichloropropane	ND	4.8	0.24	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.8	0.32	1.00	
1,1-Dichloropropene	ND	4.8	0.32	1.00	
c-1,3-Dichloropropene	ND	4.8	0.25	1.00	
t-1,3-Dichloropropene	ND	4.8	0.59	1.00	
Ethylbenzene	ND	4.8	0.15	1.00	
2-Hexanone	ND	48	1.7	1.00	
Isopropylbenzene	ND	4.8	0.53	1.00	
p-Isopropyltoluene	ND	4.8	0.61	1.00	
Methylene Chloride	ND	48	1.3	1.00	
4-Methyl-2-Pentanone	ND	48	4.2	1.00	
Naphthalene	ND	48	0.79	1.00	
n-Propylbenzene	ND	4.8	0.49	1.00	
Styrene	ND	4.8	0.58	1.00	
1,1,1,2-Tetrachloroethane	ND	4.8	0.23	1.00	
1,1,2,2-Tetrachloroethane	ND	4.8	0.33	1.00	
Tetrachloroethene	ND	4.8	0.20	1.00	
Toluene	ND	4.8	0.50	1.00	
1,2,3-Trichlorobenzene	ND	9.7	0.88	1.00	
1,2,4-Trichlorobenzene	ND	4.8	0.30	1.00	
1,1,1-Trichloroethane	ND	4.8	0.22	1.00	
1,1,2-Trichloroethane	ND	4.8	0.34	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	48	0.34	1.00	
Trichloroethene	ND	4.8	0.29	1.00	
1,2,3-Trichloropropane	ND	4.8	0.80	1.00	
1,2,4-Trimethylbenzene	ND	4.8	0.57	1.00	
Trichlorofluoromethane	ND	48	0.36	1.00	
1,3,5-Trimethylbenzene	ND	4.8	0.53	1.00	
Vinyl Acetate	ND	48	4.6	1.00	
Vinyl Chloride	ND	4.8	0.49	1.00	
p/m-Xylene	ND	4.8	0.26	1.00	
o-Xylene	ND	4.8	0.54	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.8	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	48	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	9.7	0.47	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.7	0.49	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.7	0.34	1.00	
Ethanol	ND	240	81	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 33 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	112	79-133	
1,2-Dichloroethane-d4	114	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-30	**19-07-0289-12-A**	**07/05/19 09:58**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 09:17**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1.00	
Benzene	ND	5.0	0.13	1.00	
Bromobenzene	ND	5.0	0.21	1.00	
Bromochloromethane	ND	5.0	0.69	1.00	
Bromodichloromethane	ND	5.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	25	9.4	1.00	
2-Butanone	ND	50	3.8	1.00	
n-Butylbenzene	ND	5.0	0.16	1.00	
sec-Butylbenzene	ND	5.0	0.58	1.00	
tert-Butylbenzene	ND	5.0	0.15	1.00	
Carbon Disulfide	ND	50	0.30	1.00	
Carbon Tetrachloride	ND	5.0	0.28	1.00	
Chlorobenzene	ND	5.0	0.22	1.00	
Chloroethane	ND	5.0	1.5	1.00	
Chloroform	ND	5.0	0.24	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	5.0	0.23	1.00	
4-Chlorotoluene	ND	5.0	0.21	1.00	
Dibromochloromethane	ND	5.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1.00	
1,2-Dibromoethane	ND	5.0	0.25	1.00	
Dibromomethane	ND	5.0	0.77	1.00	
1,2-Dichlorobenzene	ND	5.0	0.23	1.00	
1,3-Dichlorobenzene	ND	5.0	0.18	1.00	
1,4-Dichlorobenzene	ND	5.0	0.22	1.00	
Dichlorodifluoromethane	ND	5.0	0.44	1.00	
1,1-Dichloroethane	ND	5.0	0.21	1.00	
1,2-Dichloroethane	ND	5.0	0.31	1.00	
1,1-Dichloroethene	ND	5.0	0.34	1.00	
c-1,2-Dichloroethene	ND	5.0	0.28	1.00	
t-1,2-Dichloroethene	ND	5.0	0.50	1.00	
1,2-Dichloropropane	ND	5.0	0.44	1.00	
1,3-Dichloropropane	ND	5.0	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	5.0	0.33	1.00	
c-1,3-Dichloropropene	ND	5.0	0.25	1.00	
t-1,3-Dichloropropene	ND	5.0	0.60	1.00	
Ethylbenzene	ND	5.0	0.15	1.00	
2-Hexanone	ND	50	1.8	1.00	
Isopropylbenzene	ND	5.0	0.54	1.00	
p-Isopropyltoluene	ND	5.0	0.63	1.00	
Methylene Chloride	ND	50	1.3	1.00	
4-Methyl-2-Pentanone	ND	50	4.3	1.00	
Naphthalene	ND	50	0.81	1.00	
n-Propylbenzene	ND	5.0	0.50	1.00	
Styrene	ND	5.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	0.34	1.00	
Tetrachloroethene	ND	5.0	0.21	1.00	
Toluene	ND	5.0	0.51	1.00	
1,2,3-Trichlorobenzene	ND	10	0.91	1.00	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1.00	
1,1,1-Trichloroethane	ND	5.0	0.22	1.00	
1,1,2-Trichloroethane	ND	5.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1.00	
Trichloroethene	ND	5.0	0.30	1.00	
1,2,3-Trichloropropane	ND	5.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	5.0	0.58	1.00	
Trichlorofluoromethane	ND	50	0.37	1.00	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1.00	
Vinyl Acetate	ND	50	4.7	1.00	
Vinyl Chloride	ND	5.0	0.50	1.00	
p/m-Xylene	ND	5.0	0.27	1.00	
o-Xylene	ND	5.0	0.55	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	5.2	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.48	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.35	1.00	
Ethanol	ND	250	83	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 36 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	112	79-133	
1,2-Dichloroethane-d4	110	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

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 37 of 96

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-5	**19-07-0289-13-A**	**07/05/19 10:14**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 09:47**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	130	6.3	1.00	
Benzene	ND	5.0	0.13	1.00	
Bromobenzene	ND	5.0	0.21	1.00	
Bromochloromethane	ND	5.0	0.70	1.00	
Bromodichloromethane	ND	5.0	0.23	1.00	
Bromoform	ND	5.0	0.80	1.00	
Bromomethane	ND	25	9.5	1.00	
2-Butanone	ND	50	3.8	1.00	
n-Butylbenzene	ND	5.0	0.16	1.00	
sec-Butylbenzene	ND	5.0	0.58	1.00	
tert-Butylbenzene	ND	5.0	0.15	1.00	
Carbon Disulfide	ND	50	0.31	1.00	
Carbon Tetrachloride	ND	5.0	0.29	1.00	
Chlorobenzene	ND	5.0	0.23	1.00	
Chloroethane	ND	5.0	1.5	1.00	
Chloroform	ND	5.0	0.24	1.00	
Chloromethane	ND	25	0.31	1.00	
2-Chlorotoluene	ND	5.0	0.23	1.00	
4-Chlorotoluene	ND	5.0	0.21	1.00	
Dibromochloromethane	ND	5.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.8	1.00	
1,2-Dibromoethane	ND	5.0	0.26	1.00	
Dibromomethane	ND	5.0	0.78	1.00	
1,2-Dichlorobenzene	ND	5.0	0.23	1.00	
1,3-Dichlorobenzene	ND	5.0	0.18	1.00	
1,4-Dichlorobenzene	ND	5.0	0.22	1.00	
Dichlorodifluoromethane	ND	5.0	0.45	1.00	
1,1-Dichloroethane	ND	5.0	0.21	1.00	
1,2-Dichloroethane	ND	5.0	0.32	1.00	
1,1-Dichloroethene	ND	5.0	0.35	1.00	
c-1,2-Dichloroethene	ND	5.0	0.28	1.00	
t-1,2-Dichloroethene	ND	5.0	0.51	1.00	
1,2-Dichloropropane	ND	5.0	0.44	1.00	
1,3-Dichloropropane	ND	5.0	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	5.0	0.33	1.00	
c-1,3-Dichloropropene	ND	5.0	0.26	1.00	
t-1,3-Dichloropropene	ND	5.0	0.61	1.00	
Ethylbenzene	ND	5.0	0.15	1.00	
2-Hexanone	ND	50	1.8	1.00	
Isopropylbenzene	ND	5.0	0.55	1.00	
p-Isopropyltoluene	ND	5.0	0.63	1.00	
Methylene Chloride	ND	50	1.3	1.00	
4-Methyl-2-Pentanone	ND	50	4.4	1.00	
Naphthalene	ND	50	0.82	1.00	
n-Propylbenzene	ND	5.0	0.51	1.00	
Styrene	ND	5.0	0.61	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1.00	
Tetrachloroethene	ND	5.0	0.21	1.00	
Toluene	ND	5.0	0.52	1.00	
1,2,3-Trichlorobenzene	ND	10	0.92	1.00	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1.00	
1,1,1-Trichloroethane	ND	5.0	0.23	1.00	
1,1,2-Trichloroethane	ND	5.0	0.36	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1.00	
Trichloroethene	ND	5.0	0.30	1.00	
1,2,3-Trichloropropane	ND	5.0	0.84	1.00	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1.00	
Trichlorofluoromethane	ND	50	0.38	1.00	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1.00	
Vinyl Acetate	ND	50	4.8	1.00	
Vinyl Chloride	ND	5.0	0.51	1.00	
p/m-Xylene	ND	5.0	0.27	1.00	
o-Xylene	ND	5.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	5.2	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.49	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.51	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.36	1.00	
Ethanol	ND	250	84	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 39 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	108	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-10	**19-07-0289-14-A**	**07/05/19 10:17**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 10:16**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.1	1.00	
Benzene	ND	4.9	0.13	1.00	
Bromobenzene	ND	4.9	0.20	1.00	
Bromochloromethane	ND	4.9	0.67	1.00	
Bromodichloromethane	ND	4.9	0.23	1.00	
Bromoform	ND	4.9	0.77	1.00	
Bromomethane	ND	24	9.2	1.00	
2-Butanone	ND	49	3.7	1.00	
n-Butylbenzene	ND	4.9	0.15	1.00	
sec-Butylbenzene	ND	4.9	0.56	1.00	
tert-Butylbenzene	ND	4.9	0.15	1.00	
Carbon Disulfide	ND	49	0.30	1.00	
Carbon Tetrachloride	ND	4.9	0.28	1.00	
Chlorobenzene	ND	4.9	0.22	1.00	
Chloroethane	ND	4.9	1.5	1.00	
Chloroform	ND	4.9	0.23	1.00	
Chloromethane	ND	24	0.30	1.00	
2-Chlorotoluene	ND	4.9	0.23	1.00	
4-Chlorotoluene	ND	4.9	0.21	1.00	
Dibromochloromethane	ND	4.9	0.56	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.7	1.7	1.00	
1,2-Dibromoethane	ND	4.9	0.25	1.00	
Dibromomethane	ND	4.9	0.76	1.00	
1,2-Dichlorobenzene	ND	4.9	0.22	1.00	
1,3-Dichlorobenzene	ND	4.9	0.17	1.00	
1,4-Dichlorobenzene	ND	4.9	0.22	1.00	
Dichlorodifluoromethane	ND	4.9	0.43	1.00	
1,1-Dichloroethane	ND	4.9	0.21	1.00	
1,2-Dichloroethane	ND	4.9	0.31	1.00	
1,1-Dichloroethene	ND	4.9	0.34	1.00	
c-1,2-Dichloroethene	ND	4.9	0.27	1.00	
t-1,2-Dichloroethene	ND	4.9	0.49	1.00	
1,2-Dichloropropane	ND	4.9	0.43	1.00	
1,3-Dichloropropane	ND	4.9	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.32	1.00	
1,1-Dichloropropene	ND	4.9	0.32	1.00	
c-1,3-Dichloropropene	ND	4.9	0.25	1.00	
t-1,3-Dichloropropene	ND	4.9	0.59	1.00	
Ethylbenzene	ND	4.9	0.15	1.00	
2-Hexanone	ND	49	1.7	1.00	
Isopropylbenzene	ND	4.9	0.53	1.00	
p-Isopropyltoluene	ND	4.9	0.61	1.00	
Methylene Chloride	ND	49	1.3	1.00	
4-Methyl-2-Pentanone	ND	49	4.2	1.00	
Naphthalene	ND	49	0.79	1.00	
n-Propylbenzene	ND	4.9	0.49	1.00	
Styrene	ND	4.9	0.59	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	0.23	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	0.34	1.00	
Tetrachloroethene	ND	4.9	0.20	1.00	
Toluene	ND	4.9	0.50	1.00	
1,2,3-Trichlorobenzene	ND	9.7	0.89	1.00	
1,2,4-Trichlorobenzene	ND	4.9	0.30	1.00	
1,1,1-Trichloroethane	ND	4.9	0.22	1.00	
1,1,2-Trichloroethane	ND	4.9	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	0.34	1.00	
Trichloroethene	ND	4.9	0.29	1.00	
1,2,3-Trichloropropane	ND	4.9	0.81	1.00	
1,2,4-Trimethylbenzene	ND	4.9	0.57	1.00	
Trichlorofluoromethane	ND	49	0.37	1.00	
1,3,5-Trimethylbenzene	ND	4.9	0.54	1.00	
Vinyl Acetate	ND	49	4.6	1.00	
Vinyl Chloride	ND	4.9	0.49	1.00	
p/m-Xylene	ND	4.9	0.26	1.00	
o-Xylene	ND	4.9	0.54	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	9.7	0.47	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.7	0.49	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.7	0.34	1.00	
Ethanol	ND	240	81	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 42 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	111	79-133	
1,2-Dichloroethane-d4	109	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

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 43 of 96

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-15	**19-07-0289-15-A**	**07/05/19 10:18**	**Solid**	**GC/MS LL**	**07/05/19**	**07/05/19 20:05**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1.00	
Benzene	ND	5.0	0.13	1.00	
Bromobenzene	ND	5.0	0.21	1.00	
Bromochloromethane	ND	5.0	0.69	1.00	
Bromodichloromethane	ND	5.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	25	9.4	1.00	
2-Butanone	ND	50	3.8	1.00	
n-Butylbenzene	ND	5.0	0.16	1.00	
sec-Butylbenzene	ND	5.0	0.58	1.00	
tert-Butylbenzene	ND	5.0	0.15	1.00	
Carbon Disulfide	ND	50	0.31	1.00	
Carbon Tetrachloride	ND	5.0	0.28	1.00	
Chlorobenzene	ND	5.0	0.22	1.00	
Chloroethane	ND	5.0	1.5	1.00	
Chloroform	ND	5.0	0.24	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	5.0	0.23	1.00	
4-Chlorotoluene	ND	5.0	0.21	1.00	
Dibromochloromethane	ND	5.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1.00	
1,2-Dibromoethane	ND	5.0	0.26	1.00	
Dibromomethane	ND	5.0	0.77	1.00	
1,2-Dichlorobenzene	ND	5.0	0.23	1.00	
1,3-Dichlorobenzene	ND	5.0	0.18	1.00	
1,4-Dichlorobenzene	ND	5.0	0.22	1.00	
Dichlorodifluoromethane	ND	5.0	0.44	1.00	
1,1-Dichloroethane	ND	5.0	0.21	1.00	
1,2-Dichloroethane	ND	5.0	0.31	1.00	
1,1-Dichloroethene	ND	5.0	0.35	1.00	
c-1,2-Dichloroethene	ND	5.0	0.28	1.00	
t-1,2-Dichloroethene	ND	5.0	0.51	1.00	
1,2-Dichloropropane	ND	5.0	0.44	1.00	
1,3-Dichloropropane	ND	5.0	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	5.0	0.33	1.00	
c-1,3-Dichloropropene	ND	5.0	0.25	1.00	
t-1,3-Dichloropropene	ND	5.0	0.61	1.00	
Ethylbenzene	ND	5.0	0.15	1.00	
2-Hexanone	ND	50	1.8	1.00	
Isopropylbenzene	ND	5.0	0.55	1.00	
p-Isopropyltoluene	ND	5.0	0.63	1.00	
Methylene Chloride	ND	50	1.3	1.00	
4-Methyl-2-Pentanone	ND	50	4.3	1.00	
Naphthalene	ND	50	0.81	1.00	
n-Propylbenzene	ND	5.0	0.50	1.00	
Styrene	ND	5.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1.00	
Tetrachloroethene	ND	5.0	0.21	1.00	
Toluene	ND	5.0	0.52	1.00	
1,2,3-Trichlorobenzene	ND	10	0.91	1.00	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1.00	
1,1,1-Trichloroethane	ND	5.0	0.23	1.00	
1,1,2-Trichloroethane	ND	5.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1.00	
Trichloroethene	ND	5.0	0.30	1.00	
1,2,3-Trichloropropane	ND	5.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1.00	
Trichlorofluoromethane	ND	50	0.38	1.00	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1.00	
Vinyl Acetate	ND	50	4.7	1.00	
Vinyl Chloride	ND	5.0	0.50	1.00	
p/m-Xylene	ND	5.0	0.27	1.00	
o-Xylene	ND	5.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	5.2	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.48	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.51	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.35	1.00	
Ethanol	ND	250	84	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 45 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	94	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-20	**19-07-0289-16-A**	**07/05/19 10:19**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 10:45**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1.00	
Benzene	ND	5.0	0.13	1.00	
Bromobenzene	ND	5.0	0.21	1.00	
Bromochloromethane	ND	5.0	0.69	1.00	
Bromodichloromethane	ND	5.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	25	9.4	1.00	
2-Butanone	ND	50	3.8	1.00	
n-Butylbenzene	ND	5.0	0.16	1.00	
sec-Butylbenzene	ND	5.0	0.58	1.00	
tert-Butylbenzene	ND	5.0	0.15	1.00	
Carbon Disulfide	ND	50	0.31	1.00	
Carbon Tetrachloride	ND	5.0	0.28	1.00	
Chlorobenzene	ND	5.0	0.22	1.00	
Chloroethane	ND	5.0	1.5	1.00	
Chloroform	ND	5.0	0.24	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	5.0	0.23	1.00	
4-Chlorotoluene	ND	5.0	0.21	1.00	
Dibromochloromethane	ND	5.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1.00	
1,2-Dibromoethane	ND	5.0	0.25	1.00	
Dibromomethane	ND	5.0	0.77	1.00	
1,2-Dichlorobenzene	ND	5.0	0.23	1.00	
1,3-Dichlorobenzene	ND	5.0	0.18	1.00	
1,4-Dichlorobenzene	ND	5.0	0.22	1.00	
Dichlorodifluoromethane	ND	5.0	0.44	1.00	
1,1-Dichloroethane	ND	5.0	0.21	1.00	
1,2-Dichloroethane	ND	5.0	0.31	1.00	
1,1-Dichloroethene	ND	5.0	0.35	1.00	
c-1,2-Dichloroethene	ND	5.0	0.28	1.00	
t-1,2-Dichloroethene	ND	5.0	0.50	1.00	
1,2-Dichloropropane	ND	5.0	0.44	1.00	
1,3-Dichloropropane	ND	5.0	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	5.0	0.33	1.00	
c-1,3-Dichloropropene	ND	5.0	0.25	1.00	
t-1,3-Dichloropropene	ND	5.0	0.60	1.00	
Ethylbenzene	ND	5.0	0.15	1.00	
2-Hexanone	ND	50	1.8	1.00	
Isopropylbenzene	ND	5.0	0.55	1.00	
p-Isopropyltoluene	ND	5.0	0.63	1.00	
Methylene Chloride	ND	50	1.3	1.00	
4-Methyl-2-Pentanone	ND	50	4.3	1.00	
Naphthalene	ND	50	0.81	1.00	
n-Propylbenzene	ND	5.0	0.50	1.00	
Styrene	ND	5.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1.00	
Tetrachloroethene	ND	5.0	0.21	1.00	
Toluene	ND	5.0	0.51	1.00	
1,2,3-Trichlorobenzene	ND	10	0.91	1.00	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1.00	
1,1,1-Trichloroethane	ND	5.0	0.22	1.00	
1,1,2-Trichloroethane	ND	5.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1.00	
Trichloroethene	ND	5.0	0.30	1.00	
1,2,3-Trichloropropane	ND	5.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1.00	
Trichlorofluoromethane	ND	50	0.37	1.00	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1.00	
Vinyl Acetate	ND	50	4.7	1.00	
Vinyl Chloride	ND	5.0	0.50	1.00	
p/m-Xylene	ND	5.0	0.27	1.00	
o-Xylene	ND	5.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	5.2	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.48	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.51	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.35	1.00	
Ethanol	ND	250	83	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 48 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	111	79-133	
1,2-Dichloroethane-d4	109	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

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 49 of 96

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-25	**19-07-0289-17-A**	**07/05/19 10:23**	**Solid**	**GC/MS LL**	**07/05/19**	**07/05/19 20:31**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.1	1.00	
Benzene	ND	4.9	0.13	1.00	
Bromobenzene	ND	4.9	0.21	1.00	
Bromochloromethane	ND	4.9	0.68	1.00	
Bromodichloromethane	ND	4.9	0.23	1.00	
Bromoform	ND	4.9	0.78	1.00	
Bromomethane	ND	25	9.3	1.00	
2-Butanone	ND	49	3.7	1.00	
n-Butylbenzene	ND	4.9	0.15	1.00	
sec-Butylbenzene	ND	4.9	0.57	1.00	
tert-Butylbenzene	ND	4.9	0.15	1.00	
Carbon Disulfide	ND	49	0.30	1.00	
Carbon Tetrachloride	ND	4.9	0.28	1.00	
Chlorobenzene	ND	4.9	0.22	1.00	
Chloroethane	ND	4.9	1.5	1.00	
Chloroform	ND	4.9	0.23	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	4.9	0.23	1.00	
4-Chlorotoluene	ND	4.9	0.21	1.00	
Dibromochloromethane	ND	4.9	0.56	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.8	1.7	1.00	
1,2-Dibromoethane	ND	4.9	0.25	1.00	
Dibromomethane	ND	4.9	0.76	1.00	
1,2-Dichlorobenzene	ND	4.9	0.22	1.00	
1,3-Dichlorobenzene	ND	4.9	0.17	1.00	
1,4-Dichlorobenzene	ND	4.9	0.22	1.00	
Dichlorodifluoromethane	ND	4.9	0.44	1.00	
1,1-Dichloroethane	ND	4.9	0.21	1.00	
1,2-Dichloroethane	ND	4.9	0.31	1.00	
1,1-Dichloroethene	ND	4.9	0.34	1.00	
c-1,2-Dichloroethene	ND	4.9	0.27	1.00	
t-1,2-Dichloroethene	ND	4.9	0.50	1.00	
1,2-Dichloropropane	ND	4.9	0.43	1.00	
1,3-Dichloropropane	ND	4.9	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.32	1.00	
1,1-Dichloropropene	ND	4.9	0.32	1.00	
c-1,3-Dichloropropene	ND	4.9	0.25	1.00	
t-1,3-Dichloropropene	ND	4.9	0.60	1.00	
Ethylbenzene	ND	4.9	0.15	1.00	
2-Hexanone	ND	49	1.7	1.00	
Isopropylbenzene	ND	4.9	0.54	1.00	
p-Isopropyltoluene	ND	4.9	0.62	1.00	
Methylene Chloride	ND	49	1.3	1.00	
4-Methyl-2-Pentanone	ND	49	4.2	1.00	
Naphthalene	ND	49	0.80	1.00	
n-Propylbenzene	ND	4.9	0.49	1.00	
Styrene	ND	4.9	0.59	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	0.34	1.00	
Tetrachloroethene	ND	4.9	0.21	1.00	
Toluene	ND	4.9	0.51	1.00	
1,2,3-Trichlorobenzene	ND	9.8	0.90	1.00	
1,2,4-Trichlorobenzene	ND	4.9	0.30	1.00	
1,1,1-Trichloroethane	ND	4.9	0.22	1.00	
1,1,2-Trichloroethane	ND	4.9	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	0.35	1.00	
Trichloroethene	ND	4.9	0.30	1.00	
1,2,3-Trichloropropane	ND	4.9	0.82	1.00	
1,2,4-Trimethylbenzene	ND	4.9	0.58	1.00	
Trichlorofluoromethane	ND	49	0.37	1.00	
1,3,5-Trimethylbenzene	ND	4.9	0.54	1.00	
Vinyl Acetate	ND	49	4.7	1.00	
Vinyl Chloride	ND	4.9	0.49	1.00	
p/m-Xylene	ND	4.9	0.26	1.00	
o-Xylene	ND	4.9	0.55	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	5.1	1.00	
Diisopropyl Ether (DIPE)	ND	9.8	0.47	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.8	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.8	0.35	1.00	
Ethanol	ND	250	82	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 51 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	97	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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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
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
B-3-30	**19-07-0289-18-A**	**07/05/19 10:26**	**Solid**	**GC/MS LL**	**07/05/19**	**07/05/19 20:58**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1.00	
Benzene	ND	5.0	0.13	1.00	
Bromobenzene	ND	5.0	0.21	1.00	
Bromochloromethane	ND	5.0	0.69	1.00	
Bromodichloromethane	ND	5.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	25	9.4	1.00	
2-Butanone	ND	50	3.8	1.00	
n-Butylbenzene	ND	5.0	0.16	1.00	
sec-Butylbenzene	ND	5.0	0.58	1.00	
tert-Butylbenzene	ND	5.0	0.15	1.00	
Carbon Disulfide	ND	50	0.30	1.00	
Carbon Tetrachloride	ND	5.0	0.28	1.00	
Chlorobenzene	ND	5.0	0.22	1.00	
Chloroethane	ND	5.0	1.5	1.00	
Chloroform	ND	5.0	0.24	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	5.0	0.23	1.00	
4-Chlorotoluene	ND	5.0	0.21	1.00	
Dibromochloromethane	ND	5.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1.00	
1,2-Dibromoethane	ND	5.0	0.25	1.00	
Dibromomethane	ND	5.0	0.77	1.00	
1,2-Dichlorobenzene	ND	5.0	0.23	1.00	
1,3-Dichlorobenzene	ND	5.0	0.18	1.00	
1,4-Dichlorobenzene	ND	5.0	0.22	1.00	
Dichlorodifluoromethane	ND	5.0	0.44	1.00	
1,1-Dichloroethane	ND	5.0	0.21	1.00	
1,2-Dichloroethane	ND	5.0	0.31	1.00	
1,1-Dichloroethene	ND	5.0	0.34	1.00	
c-1,2-Dichloroethene	ND	5.0	0.28	1.00	
t-1,2-Dichloroethene	ND	5.0	0.50	1.00	
1,2-Dichloropropane	ND	5.0	0.44	1.00	
1,3-Dichloropropane	ND	5.0	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	5.0	0.33	1.00	
c-1,3-Dichloropropene	ND	5.0	0.25	1.00	
t-1,3-Dichloropropene	ND	5.0	0.60	1.00	
Ethylbenzene	ND	5.0	0.15	1.00	
2-Hexanone	ND	50	1.8	1.00	
Isopropylbenzene	ND	5.0	0.54	1.00	
p-Isopropyltoluene	ND	5.0	0.63	1.00	
Methylene Chloride	ND	50	1.3	1.00	
4-Methyl-2-Pentanone	ND	50	4.3	1.00	
Naphthalene	ND	50	0.81	1.00	
n-Propylbenzene	ND	5.0	0.50	1.00	
Styrene	ND	5.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	0.34	1.00	
Tetrachloroethene	ND	5.0	0.21	1.00	
Toluene	ND	5.0	0.51	1.00	
1,2,3-Trichlorobenzene	ND	10	0.91	1.00	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1.00	
1,1,1-Trichloroethane	ND	5.0	0.22	1.00	
1,1,2-Trichloroethane	ND	5.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1.00	
Trichloroethene	ND	5.0	0.30	1.00	
1,2,3-Trichloropropane	ND	5.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	5.0	0.58	1.00	
Trichlorofluoromethane	ND	50	0.37	1.00	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1.00	
Vinyl Acetate	ND	50	4.7	1.00	
Vinyl Chloride	ND	5.0	0.50	1.00	
p/m-Xylene	ND	5.0	0.27	1.00	
o-Xylene	ND	5.0	0.55	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	5.2	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.48	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.35	1.00	
Ethanol	ND	250	83	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 54 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	97	79-133	
1,2-Dichloroethane-d4	92	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

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 55 of 96

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-5	**19-07-0289-19-A**	**07/05/19 10:48**	**Solid**	**GC/MS LL**	**07/05/19**	**07/05/19 21:24**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	130	6.4	1.00	
Benzene	ND	5.1	0.13	1.00	
Bromobenzene	ND	5.1	0.21	1.00	
Bromochloromethane	ND	5.1	0.71	1.00	
Bromodichloromethane	ND	5.1	0.24	1.00	
Bromoform	ND	5.1	0.81	1.00	
Bromomethane	ND	26	9.6	1.00	
2-Butanone	ND	51	3.9	1.00	
n-Butylbenzene	ND	5.1	0.16	1.00	
sec-Butylbenzene	ND	5.1	0.59	1.00	
tert-Butylbenzene	ND	5.1	0.15	1.00	
Carbon Disulfide	ND	51	0.31	1.00	
Carbon Tetrachloride	ND	5.1	0.29	1.00	
Chlorobenzene	ND	5.1	0.23	1.00	
Chloroethane	ND	5.1	1.5	1.00	
Chloroform	ND	5.1	0.24	1.00	
Chloromethane	ND	26	0.31	1.00	
2-Chlorotoluene	ND	5.1	0.24	1.00	
4-Chlorotoluene	ND	5.1	0.22	1.00	
Dibromochloromethane	ND	5.1	0.58	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.8	1.00	
1,2-Dibromoethane	ND	5.1	0.26	1.00	
Dibromomethane	ND	5.1	0.79	1.00	
1,2-Dichlorobenzene	ND	5.1	0.23	1.00	
1,3-Dichlorobenzene	ND	5.1	0.18	1.00	
1,4-Dichlorobenzene	ND	5.1	0.23	1.00	
Dichlorodifluoromethane	ND	5.1	0.45	1.00	
1,1-Dichloroethane	ND	5.1	0.22	1.00	
1,2-Dichloroethane	ND	5.1	0.32	1.00	
1,1-Dichloroethene	ND	5.1	0.35	1.00	
c-1,2-Dichloroethene	ND	5.1	0.29	1.00	
t-1,2-Dichloroethene	ND	5.1	0.52	1.00	
1,2-Dichloropropane	ND	5.1	0.45	1.00	
1,3-Dichloropropane	ND	5.1	0.26	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.1	0.34	1.00	
1,1-Dichloropropene	ND	5.1	0.34	1.00	
c-1,3-Dichloropropene	ND	5.1	0.26	1.00	
t-1,3-Dichloropropene	ND	5.1	0.62	1.00	
Ethylbenzene	ND	5.1	0.15	1.00	
2-Hexanone	ND	51	1.8	1.00	
Isopropylbenzene	ND	5.1	0.56	1.00	
p-Isopropyltoluene	ND	5.1	0.64	1.00	
Methylene Chloride	ND	51	1.4	1.00	
4-Methyl-2-Pentanone	ND	51	4.4	1.00	
Naphthalene	ND	51	0.83	1.00	
n-Propylbenzene	ND	5.1	0.51	1.00	
Styrene	ND	5.1	0.62	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	0.25	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	0.35	1.00	
Tetrachloroethene	ND	5.1	0.21	1.00	
Toluene	ND	5.1	0.53	1.00	
1,2,3-Trichlorobenzene	ND	10	0.93	1.00	
1,2,4-Trichlorobenzene	ND	5.1	0.32	1.00	
1,1,1-Trichloroethane	ND	5.1	0.23	1.00	
1,1,2-Trichloroethane	ND	5.1	0.36	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	0.36	1.00	
Trichloroethene	ND	5.1	0.31	1.00	
1,2,3-Trichloropropane	ND	5.1	0.85	1.00	
1,2,4-Trimethylbenzene	ND	5.1	0.60	1.00	
Trichlorofluoromethane	ND	51	0.38	1.00	
1,3,5-Trimethylbenzene	ND	5.1	0.56	1.00	
Vinyl Acetate	ND	51	4.9	1.00	
Vinyl Chloride	ND	5.1	0.51	1.00	
p/m-Xylene	ND	5.1	0.27	1.00	
o-Xylene	ND	5.1	0.57	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	0.30	1.00	
Tert-Butyl Alcohol (TBA)	ND	51	5.3	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.49	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.52	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.36	1.00	
Ethanol	ND	260	85	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 57 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	97	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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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 58 of 96

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-10	**19-07-0289-20-A**	**07/05/19 10:50**	**Solid**	**GC/MS LL**	**07/05/19**	**07/05/19 21:51**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.1	1.00	
Benzene	ND	4.9	0.13	1.00	
Bromobenzene	ND	4.9	0.21	1.00	
Bromochloromethane	ND	4.9	0.68	1.00	
Bromodichloromethane	ND	4.9	0.23	1.00	
Bromoform	ND	4.9	0.78	1.00	
Bromomethane	ND	25	9.3	1.00	
2-Butanone	ND	49	3.7	1.00	
n-Butylbenzene	ND	4.9	0.15	1.00	
sec-Butylbenzene	ND	4.9	0.57	1.00	
tert-Butylbenzene	ND	4.9	0.15	1.00	
Carbon Disulfide	ND	49	0.30	1.00	
Carbon Tetrachloride	ND	4.9	0.28	1.00	
Chlorobenzene	ND	4.9	0.22	1.00	
Chloroethane	ND	4.9	1.5	1.00	
Chloroform	ND	4.9	0.24	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	4.9	0.23	1.00	
4-Chlorotoluene	ND	4.9	0.21	1.00	
Dibromochloromethane	ND	4.9	0.56	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.8	1.7	1.00	
1,2-Dibromoethane	ND	4.9	0.25	1.00	
Dibromomethane	ND	4.9	0.76	1.00	
1,2-Dichlorobenzene	ND	4.9	0.22	1.00	
1,3-Dichlorobenzene	ND	4.9	0.17	1.00	
1,4-Dichlorobenzene	ND	4.9	0.22	1.00	
Dichlorodifluoromethane	ND	4.9	0.44	1.00	
1,1-Dichloroethane	ND	4.9	0.21	1.00	
1,2-Dichloroethane	ND	4.9	0.31	1.00	
1,1-Dichloroethene	ND	4.9	0.34	1.00	
c-1,2-Dichloroethene	ND	4.9	0.28	1.00	
t-1,2-Dichloroethene	ND	4.9	0.50	1.00	
1,2-Dichloropropane	ND	4.9	0.43	1.00	
1,3-Dichloropropane	ND	4.9	0.25	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 59 of 96

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.33	1.00	
1,1-Dichloropropene	ND	4.9	0.32	1.00	
c-1,3-Dichloropropene	ND	4.9	0.25	1.00	
t-1,3-Dichloropropene	ND	4.9	0.60	1.00	
Ethylbenzene	ND	4.9	0.15	1.00	
2-Hexanone	ND	49	1.7	1.00	
Isopropylbenzene	ND	4.9	0.54	1.00	
p-Isopropyltoluene	ND	4.9	0.62	1.00	
Methylene Chloride	ND	49	1.3	1.00	
4-Methyl-2-Pentanone	ND	49	4.3	1.00	
Naphthalene	ND	49	0.80	1.00	
n-Propylbenzene	ND	4.9	0.49	1.00	
Styrene	ND	4.9	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	0.34	1.00	
Tetrachloroethene	ND	4.9	0.21	1.00	
Toluene	ND	4.9	0.51	1.00	
1,2,3-Trichlorobenzene	ND	9.8	0.90	1.00	
1,2,4-Trichlorobenzene	ND	4.9	0.31	1.00	
1,1,1-Trichloroethane	ND	4.9	0.22	1.00	
1,1,2-Trichloroethane	ND	4.9	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	0.35	1.00	
Trichloroethene	ND	4.9	0.30	1.00	
1,2,3-Trichloropropane	ND	4.9	0.82	1.00	
1,2,4-Trimethylbenzene	ND	4.9	0.58	1.00	
Trichlorofluoromethane	ND	49	0.37	1.00	
1,3,5-Trimethylbenzene	ND	4.9	0.54	1.00	
Vinyl Acetate	ND	49	4.7	1.00	
Vinyl Chloride	ND	4.9	0.50	1.00	
p/m-Xylene	ND	4.9	0.26	1.00	
o-Xylene	ND	4.9	0.55	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	5.1	1.00	
Diisopropyl Ether (DIPE)	ND	9.8	0.47	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.8	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.8	0.35	1.00	
Ethanol	ND	250	82	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 60 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	93	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-15	**19-07-0289-21-A**	**07/05/19 10:51**	**Solid**	**GC/MS LL**	**07/05/19**	**07/05/19 22:17**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.0	1.00	
Benzene	ND	4.8	0.13	1.00	
Bromobenzene	ND	4.8	0.20	1.00	
Bromochloromethane	ND	4.8	0.67	1.00	
Bromodichloromethane	ND	4.8	0.23	1.00	
Bromoform	ND	4.8	0.77	1.00	
Bromomethane	ND	24	9.1	1.00	
2-Butanone	ND	48	3.6	1.00	
n-Butylbenzene	ND	4.8	0.15	1.00	
sec-Butylbenzene	ND	4.8	0.56	1.00	
tert-Butylbenzene	ND	4.8	0.15	1.00	
Carbon Disulfide	ND	48	0.30	1.00	
Carbon Tetrachloride	ND	4.8	0.27	1.00	
Chlorobenzene	ND	4.8	0.22	1.00	
Chloroethane	ND	4.8	1.4	1.00	
Chloroform	ND	4.8	0.23	1.00	
Chloromethane	ND	24	0.29	1.00	
2-Chlorotoluene	ND	4.8	0.22	1.00	
4-Chlorotoluene	ND	4.8	0.21	1.00	
Dibromochloromethane	ND	4.8	0.55	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.7	1.7	1.00	
1,2-Dibromoethane	ND	4.8	0.25	1.00	
Dibromomethane	ND	4.8	0.75	1.00	
1,2-Dichlorobenzene	ND	4.8	0.22	1.00	
1,3-Dichlorobenzene	ND	4.8	0.17	1.00	
1,4-Dichlorobenzene	ND	4.8	0.21	1.00	
Dichlorodifluoromethane	ND	4.8	0.43	1.00	
1,1-Dichloroethane	ND	4.8	0.20	1.00	
1,2-Dichloroethane	ND	4.8	0.30	1.00	
1,1-Dichloroethene	ND	4.8	0.33	1.00	
c-1,2-Dichloroethene	ND	4.8	0.27	1.00	
t-1,2-Dichloroethene	ND	4.8	0.49	1.00	
1,2-Dichloropropane	ND	4.8	0.42	1.00	
1,3-Dichloropropane	ND	4.8	0.24	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.8	0.32	1.00	
1,1-Dichloropropene	ND	4.8	0.32	1.00	
c-1,3-Dichloropropene	ND	4.8	0.25	1.00	
t-1,3-Dichloropropene	ND	4.8	0.59	1.00	
Ethylbenzene	ND	4.8	0.15	1.00	
2-Hexanone	ND	48	1.7	1.00	
Isopropylbenzene	ND	4.8	0.53	1.00	
p-Isopropyltoluene	ND	4.8	0.61	1.00	
Methylene Chloride	ND	48	1.3	1.00	
4-Methyl-2-Pentanone	ND	48	4.2	1.00	
Naphthalene	ND	48	0.79	1.00	
n-Propylbenzene	ND	4.8	0.49	1.00	
Styrene	ND	4.8	0.58	1.00	
1,1,1,2-Tetrachloroethane	ND	4.8	0.23	1.00	
1,1,2,2-Tetrachloroethane	ND	4.8	0.33	1.00	
Tetrachloroethene	ND	4.8	0.20	1.00	
Toluene	ND	4.8	0.50	1.00	
1,2,3-Trichlorobenzene	ND	9.7	0.88	1.00	
1,2,4-Trichlorobenzene	ND	4.8	0.30	1.00	
1,1,1-Trichloroethane	ND	4.8	0.22	1.00	
1,1,2-Trichloroethane	ND	4.8	0.34	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	48	0.34	1.00	
Trichloroethene	ND	4.8	0.29	1.00	
1,2,3-Trichloropropane	ND	4.8	0.80	1.00	
1,2,4-Trimethylbenzene	ND	4.8	0.57	1.00	
Trichlorofluoromethane	ND	48	0.36	1.00	
1,3,5-Trimethylbenzene	ND	4.8	0.53	1.00	
Vinyl Acetate	ND	48	4.6	1.00	
Vinyl Chloride	ND	4.8	0.49	1.00	
p/m-Xylene	ND	4.8	0.26	1.00	
o-Xylene	ND	4.8	0.54	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.8	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	48	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	9.7	0.47	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.7	0.49	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.7	0.34	1.00	
Ethanol	ND	240	81	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 63 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	96	71-155	
Toluene-d8	97	80-120	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-20	**19-07-0289-22-A**	**07/05/19 10:54**	**Solid**	**GC/MS LL**	**07/05/19**	**07/05/19 22:43**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.1	1.00	
Benzene	ND	4.9	0.13	1.00	
Bromobenzene	ND	4.9	0.21	1.00	
Bromochloromethane	ND	4.9	0.68	1.00	
Bromodichloromethane	ND	4.9	0.23	1.00	
Bromoform	ND	4.9	0.78	1.00	
Bromomethane	ND	25	9.3	1.00	
2-Butanone	ND	49	3.7	1.00	
n-Butylbenzene	ND	4.9	0.15	1.00	
sec-Butylbenzene	ND	4.9	0.57	1.00	
tert-Butylbenzene	ND	4.9	0.15	1.00	
Carbon Disulfide	ND	49	0.30	1.00	
Carbon Tetrachloride	ND	4.9	0.28	1.00	
Chlorobenzene	ND	4.9	0.22	1.00	
Chloroethane	ND	4.9	1.5	1.00	
Chloroform	ND	4.9	0.23	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	4.9	0.23	1.00	
4-Chlorotoluene	ND	4.9	0.21	1.00	
Dibromochloromethane	ND	4.9	0.56	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.8	1.7	1.00	
1,2-Dibromoethane	ND	4.9	0.25	1.00	
Dibromomethane	ND	4.9	0.76	1.00	
1,2-Dichlorobenzene	ND	4.9	0.22	1.00	
1,3-Dichlorobenzene	ND	4.9	0.17	1.00	
1,4-Dichlorobenzene	ND	4.9	0.22	1.00	
Dichlorodifluoromethane	ND	4.9	0.44	1.00	
1,1-Dichloroethane	ND	4.9	0.21	1.00	
1,2-Dichloroethane	ND	4.9	0.31	1.00	
1,1-Dichloroethene	ND	4.9	0.34	1.00	
c-1,2-Dichloroethene	ND	4.9	0.27	1.00	
t-1,2-Dichloroethene	ND	4.9	0.50	1.00	
1,2-Dichloropropane	ND	4.9	0.43	1.00	
1,3-Dichloropropane	ND	4.9	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.32	1.00	
1,1-Dichloropropene	ND	4.9	0.32	1.00	
c-1,3-Dichloropropene	ND	4.9	0.25	1.00	
t-1,3-Dichloropropene	ND	4.9	0.60	1.00	
Ethylbenzene	ND	4.9	0.15	1.00	
2-Hexanone	ND	49	1.7	1.00	
Isopropylbenzene	ND	4.9	0.54	1.00	
p-Isopropyltoluene	ND	4.9	0.62	1.00	
Methylene Chloride	ND	49	1.3	1.00	
4-Methyl-2-Pentanone	ND	49	4.2	1.00	
Naphthalene	ND	49	0.80	1.00	
n-Propylbenzene	ND	4.9	0.49	1.00	
Styrene	ND	4.9	0.59	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	0.34	1.00	
Tetrachloroethene	ND	4.9	0.21	1.00	
Toluene	ND	4.9	0.51	1.00	
1,2,3-Trichlorobenzene	ND	9.8	0.90	1.00	
1,2,4-Trichlorobenzene	ND	4.9	0.30	1.00	
1,1,1-Trichloroethane	ND	4.9	0.22	1.00	
1,1,2-Trichloroethane	ND	4.9	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	0.35	1.00	
Trichloroethene	ND	4.9	0.30	1.00	
1,2,3-Trichloropropane	ND	4.9	0.82	1.00	
1,2,4-Trimethylbenzene	ND	4.9	0.58	1.00	
Trichlorofluoromethane	ND	49	0.37	1.00	
1,3,5-Trimethylbenzene	ND	4.9	0.54	1.00	
Vinyl Acetate	ND	49	4.7	1.00	
Vinyl Chloride	ND	4.9	0.49	1.00	
p/m-Xylene	ND	4.9	0.26	1.00	
o-Xylene	ND	4.9	0.55	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	5.1	1.00	
Diisopropyl Ether (DIPE)	ND	9.8	0.47	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.8	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.8	0.35	1.00	
Ethanol	ND	250	82	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 66 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	98	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-25	**19-07-0289-23-A**	**07/05/19 10:58**	**Solid**	**GC/MS OO**	**07/06/19**	**07/06/19 11:18**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1.00	
Benzene	ND	4.9	0.13	1.00	
Bromobenzene	ND	4.9	0.21	1.00	
Bromochloromethane	ND	4.9	0.68	1.00	
Bromodichloromethane	ND	4.9	0.23	1.00	
Bromoform	ND	4.9	0.78	1.00	
Bromomethane	ND	25	9.3	1.00	
2-Butanone	ND	49	3.7	1.00	
n-Butylbenzene	ND	4.9	0.15	1.00	
sec-Butylbenzene	ND	4.9	0.57	1.00	
tert-Butylbenzene	ND	4.9	0.15	1.00	
Carbon Disulfide	ND	49	0.30	1.00	
Carbon Tetrachloride	ND	4.9	0.28	1.00	
Chlorobenzene	ND	4.9	0.22	1.00	
Chloroethane	ND	4.9	1.5	1.00	
Chloroform	ND	4.9	0.24	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	4.9	0.23	1.00	
4-Chlorotoluene	ND	4.9	0.21	1.00	
Dibromochloromethane	ND	4.9	0.56	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.7	1.00	
1,2-Dibromoethane	ND	4.9	0.25	1.00	
Dibromomethane	ND	4.9	0.77	1.00	
1,2-Dichlorobenzene	ND	4.9	0.23	1.00	
1,3-Dichlorobenzene	ND	4.9	0.17	1.00	
1,4-Dichlorobenzene	ND	4.9	0.22	1.00	
Dichlorodifluoromethane	ND	4.9	0.44	1.00	
1,1-Dichloroethane	ND	4.9	0.21	1.00	
1,2-Dichloroethane	ND	4.9	0.31	1.00	
1,1-Dichloroethene	ND	4.9	0.34	1.00	
c-1,2-Dichloroethene	ND	4.9	0.28	1.00	
t-1,2-Dichloroethene	ND	4.9	0.50	1.00	
1,2-Dichloropropane	ND	4.9	0.43	1.00	
1,3-Dichloropropane	ND	4.9	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.33	1.00	
1,1-Dichloropropene	ND	4.9	0.32	1.00	
c-1,3-Dichloropropene	ND	4.9	0.25	1.00	
t-1,3-Dichloropropene	ND	4.9	0.60	1.00	
Ethylbenzene	ND	4.9	0.15	1.00	
2-Hexanone	ND	49	1.7	1.00	
Isopropylbenzene	ND	4.9	0.54	1.00	
p-Isopropyltoluene	ND	4.9	0.62	1.00	
Methylene Chloride	ND	49	1.3	1.00	
4-Methyl-2-Pentanone	ND	49	4.3	1.00	
Naphthalene	ND	49	0.80	1.00	
n-Propylbenzene	ND	4.9	0.50	1.00	
Styrene	ND	4.9	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	0.34	1.00	
Tetrachloroethene	ND	4.9	0.21	1.00	
Toluene	ND	4.9	0.51	1.00	
1,2,3-Trichlorobenzene	ND	9.9	0.90	1.00	
1,2,4-Trichlorobenzene	ND	4.9	0.31	1.00	
1,1,1-Trichloroethane	ND	4.9	0.22	1.00	
1,1,2-Trichloroethane	ND	4.9	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	0.35	1.00	
Trichloroethene	ND	4.9	0.30	1.00	
1,2,3-Trichloropropane	ND	4.9	0.82	1.00	
1,2,4-Trimethylbenzene	ND	4.9	0.58	1.00	
Trichlorofluoromethane	ND	49	0.37	1.00	
1,3,5-Trimethylbenzene	ND	4.9	0.54	1.00	
Vinyl Acetate	ND	49	4.7	1.00	
Vinyl Chloride	ND	4.9	0.50	1.00	
p/m-Xylene	ND	4.9	0.26	1.00	
o-Xylene	ND	4.9	0.55	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	5.1	1.00	
Diisopropyl Ether (DIPE)	ND	9.9	0.48	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.9	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.9	0.35	1.00	
Ethanol	ND	250	83	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 69 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	109	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-30	**19-07-0289-24-A**	**07/05/19 11:01**	**Solid**	**GC/MS LL**	**07/05/19**	**07/05/19 23:35**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	130	6.3	1.00	
Benzene	ND	5.1	0.13	1.00	
Bromobenzene	ND	5.1	0.21	1.00	
Bromochloromethane	ND	5.1	0.70	1.00	
Bromodichloromethane	ND	5.1	0.24	1.00	
Bromoform	ND	5.1	0.81	1.00	
Bromomethane	ND	25	9.6	1.00	
2-Butanone	ND	51	3.8	1.00	
n-Butylbenzene	ND	5.1	0.16	1.00	
sec-Butylbenzene	ND	5.1	0.59	1.00	
tert-Butylbenzene	ND	5.1	0.15	1.00	
Carbon Disulfide	ND	51	0.31	1.00	
Carbon Tetrachloride	ND	5.1	0.29	1.00	
Chlorobenzene	ND	5.1	0.23	1.00	
Chloroethane	ND	5.1	1.5	1.00	
Chloroform	ND	5.1	0.24	1.00	
Chloromethane	0.33	25	0.31	1.00	J
2-Chlorotoluene	ND	5.1	0.24	1.00	
4-Chlorotoluene	ND	5.1	0.22	1.00	
Dibromochloromethane	ND	5.1	0.58	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.8	1.00	
1,2-Dibromoethane	ND	5.1	0.26	1.00	
Dibromomethane	ND	5.1	0.79	1.00	
1,2-Dichlorobenzene	ND	5.1	0.23	1.00	
1,3-Dichlorobenzene	ND	5.1	0.18	1.00	
1,4-Dichlorobenzene	ND	5.1	0.23	1.00	
Dichlorodifluoromethane	ND	5.1	0.45	1.00	
1,1-Dichloroethane	ND	5.1	0.21	1.00	
1,2-Dichloroethane	ND	5.1	0.32	1.00	
1,1-Dichloroethene	ND	5.1	0.35	1.00	
c-1,2-Dichloroethene	ND	5.1	0.28	1.00	
t-1,2-Dichloroethene	ND	5.1	0.51	1.00	
1,2-Dichloropropane	ND	5.1	0.45	1.00	
1,3-Dichloropropane	ND	5.1	0.26	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.1	0.34	1.00	
1,1-Dichloropropene	ND	5.1	0.33	1.00	
c-1,3-Dichloropropene	ND	5.1	0.26	1.00	
t-1,3-Dichloropropene	ND	5.1	0.62	1.00	
Ethylbenzene	ND	5.1	0.15	1.00	
2-Hexanone	ND	51	1.8	1.00	
Isopropylbenzene	ND	5.1	0.56	1.00	
p-Isopropyltoluene	ND	5.1	0.64	1.00	
Methylene Chloride	ND	51	1.4	1.00	
4-Methyl-2-Pentanone	ND	51	4.4	1.00	
Naphthalene	ND	51	0.83	1.00	
n-Propylbenzene	ND	5.1	0.51	1.00	
Styrene	ND	5.1	0.61	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	0.35	1.00	
Tetrachloroethene	ND	5.1	0.21	1.00	
Toluene	ND	5.1	0.52	1.00	
1,2,3-Trichlorobenzene	ND	10	0.93	1.00	
1,2,4-Trichlorobenzene	ND	5.1	0.32	1.00	
1,1,1-Trichloroethane	ND	5.1	0.23	1.00	
1,1,2-Trichloroethane	ND	5.1	0.36	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	0.36	1.00	
Trichloroethene	ND	5.1	0.31	1.00	
1,2,3-Trichloropropane	ND	5.1	0.84	1.00	
1,2,4-Trimethylbenzene	ND	5.1	0.60	1.00	
Trichlorofluoromethane	ND	51	0.38	1.00	
1,3,5-Trimethylbenzene	ND	5.1	0.56	1.00	
Vinyl Acetate	ND	51	4.8	1.00	
Vinyl Chloride	ND	5.1	0.51	1.00	
p/m-Xylene	ND	5.1	0.27	1.00	
o-Xylene	ND	5.1	0.57	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	0.30	1.00	
Tert-Butyl Alcohol (TBA)	ND	51	5.3	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.49	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.51	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.36	1.00	
Ethanol	ND	250	85	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 72 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	96	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-5	**19-07-0289-25-A**	**07/05/19 11:26**	**Solid**	**GC/MS LL**	**07/05/19**	**07/06/19 00:01**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.1	1.00	
Benzene	ND	4.9	0.13	1.00	
Bromobenzene	ND	4.9	0.20	1.00	
Bromochloromethane	ND	4.9	0.67	1.00	
Bromodichloromethane	ND	4.9	0.23	1.00	
Bromoform	ND	4.9	0.77	1.00	
Bromomethane	ND	24	9.1	1.00	
2-Butanone	ND	49	3.7	1.00	
n-Butylbenzene	ND	4.9	0.15	1.00	
sec-Butylbenzene	ND	4.9	0.56	1.00	
tert-Butylbenzene	ND	4.9	0.15	1.00	
Carbon Disulfide	ND	49	0.30	1.00	
Carbon Tetrachloride	ND	4.9	0.27	1.00	
Chlorobenzene	ND	4.9	0.22	1.00	
Chloroethane	ND	4.9	1.4	1.00	
Chloroform	ND	4.9	0.23	1.00	
Chloromethane	ND	24	0.30	1.00	
2-Chlorotoluene	ND	4.9	0.22	1.00	
4-Chlorotoluene	ND	4.9	0.21	1.00	
Dibromochloromethane	ND	4.9	0.55	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.7	1.7	1.00	
1,2-Dibromoethane	ND	4.9	0.25	1.00	
Dibromomethane	ND	4.9	0.75	1.00	
1,2-Dichlorobenzene	ND	4.9	0.22	1.00	
1,3-Dichlorobenzene	ND	4.9	0.17	1.00	
1,4-Dichlorobenzene	ND	4.9	0.22	1.00	
Dichlorodifluoromethane	ND	4.9	0.43	1.00	
1,1-Dichloroethane	ND	4.9	0.21	1.00	
1,2-Dichloroethane	ND	4.9	0.30	1.00	
1,1-Dichloroethene	ND	4.9	0.34	1.00	
c-1,2-Dichloroethene	ND	4.9	0.27	1.00	
t-1,2-Dichloroethene	ND	4.9	0.49	1.00	
1,2-Dichloropropane	ND	4.9	0.43	1.00	
1,3-Dichloropropane	ND	4.9	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.32	1.00	
1,1-Dichloropropene	ND	4.9	0.32	1.00	
c-1,3-Dichloropropene	ND	4.9	0.25	1.00	
t-1,3-Dichloropropene	ND	4.9	0.59	1.00	
Ethylbenzene	0.33	4.9	0.15	1.00	J
2-Hexanone	ND	49	1.7	1.00	
Isopropylbenzene	ND	4.9	0.53	1.00	
p-Isopropyltoluene	ND	4.9	0.61	1.00	
Methylene Chloride	ND	49	1.3	1.00	
4-Methyl-2-Pentanone	ND	49	4.2	1.00	
Naphthalene	ND	49	0.79	1.00	
n-Propylbenzene	ND	4.9	0.49	1.00	
Styrene	ND	4.9	0.59	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	0.23	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	0.34	1.00	
Tetrachloroethene	ND	4.9	0.20	1.00	
Toluene	ND	4.9	0.50	1.00	
1,2,3-Trichlorobenzene	ND	9.7	0.89	1.00	
1,2,4-Trichlorobenzene	ND	4.9	0.30	1.00	
1,1,1-Trichloroethane	ND	4.9	0.22	1.00	
1,1,2-Trichloroethane	ND	4.9	0.34	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	0.34	1.00	
Trichloroethene	ND	4.9	0.29	1.00	
1,2,3-Trichloropropane	ND	4.9	0.81	1.00	
1,2,4-Trimethylbenzene	ND	4.9	0.57	1.00	
Trichlorofluoromethane	ND	49	0.36	1.00	
1,3,5-Trimethylbenzene	ND	4.9	0.53	1.00	
Vinyl Acetate	ND	49	4.6	1.00	
Vinyl Chloride	ND	4.9	0.49	1.00	
p/m-Xylene	1.6	4.9	0.26	1.00	J
o-Xylene	0.72	4.9	0.54	1.00	J
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	9.7	0.47	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.7	0.49	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.7	0.34	1.00	
Ethanol	ND	240	81	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 75 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	96	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

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 76 of 96

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-10	**19-07-0289-26-A**	**07/05/19 11:28**	**Solid**	**GC/MS LL**	**07/05/19**	**07/06/19 00:27**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.1	1.00	
Benzene	ND	4.9	0.13	1.00	
Bromobenzene	ND	4.9	0.21	1.00	
Bromochloromethane	ND	4.9	0.68	1.00	
Bromodichloromethane	ND	4.9	0.23	1.00	
Bromoform	ND	4.9	0.78	1.00	
Bromomethane	ND	25	9.3	1.00	
2-Butanone	ND	49	3.7	1.00	
n-Butylbenzene	ND	4.9	0.15	1.00	
sec-Butylbenzene	ND	4.9	0.57	1.00	
tert-Butylbenzene	ND	4.9	0.15	1.00	
Carbon Disulfide	ND	49	0.30	1.00	
Carbon Tetrachloride	ND	4.9	0.28	1.00	
Chlorobenzene	ND	4.9	0.22	1.00	
Chloroethane	ND	4.9	1.5	1.00	
Chloroform	ND	4.9	0.23	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	4.9	0.23	1.00	
4-Chlorotoluene	ND	4.9	0.21	1.00	
Dibromochloromethane	ND	4.9	0.56	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.8	1.7	1.00	
1,2-Dibromoethane	ND	4.9	0.25	1.00	
Dibromomethane	ND	4.9	0.76	1.00	
1,2-Dichlorobenzene	ND	4.9	0.22	1.00	
1,3-Dichlorobenzene	ND	4.9	0.17	1.00	
1,4-Dichlorobenzene	ND	4.9	0.22	1.00	
Dichlorodifluoromethane	ND	4.9	0.44	1.00	
1,1-Dichloroethane	ND	4.9	0.21	1.00	
1,2-Dichloroethane	ND	4.9	0.31	1.00	
1,1-Dichloroethene	ND	4.9	0.34	1.00	
c-1,2-Dichloroethene	ND	4.9	0.27	1.00	
t-1,2-Dichloroethene	ND	4.9	0.50	1.00	
1,2-Dichloropropane	ND	4.9	0.43	1.00	
1,3-Dichloropropane	ND	4.9	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.32	1.00	
1,1-Dichloropropene	ND	4.9	0.32	1.00	
c-1,3-Dichloropropene	ND	4.9	0.25	1.00	
t-1,3-Dichloropropene	ND	4.9	0.60	1.00	
Ethylbenzene	ND	4.9	0.15	1.00	
2-Hexanone	ND	49	1.7	1.00	
Isopropylbenzene	ND	4.9	0.54	1.00	
p-Isopropyltoluene	ND	4.9	0.62	1.00	
Methylene Chloride	ND	49	1.3	1.00	
4-Methyl-2-Pentanone	ND	49	4.2	1.00	
Naphthalene	ND	49	0.80	1.00	
n-Propylbenzene	ND	4.9	0.49	1.00	
Styrene	ND	4.9	0.59	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	0.34	1.00	
Tetrachloroethene	ND	4.9	0.21	1.00	
Toluene	ND	4.9	0.51	1.00	
1,2,3-Trichlorobenzene	ND	9.8	0.90	1.00	
1,2,4-Trichlorobenzene	ND	4.9	0.30	1.00	
1,1,1-Trichloroethane	ND	4.9	0.22	1.00	
1,1,2-Trichloroethane	ND	4.9	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	0.35	1.00	
Trichloroethene	ND	4.9	0.30	1.00	
1,2,3-Trichloropropane	ND	4.9	0.82	1.00	
1,2,4-Trimethylbenzene	ND	4.9	0.58	1.00	
Trichlorofluoromethane	ND	49	0.37	1.00	
1,3,5-Trimethylbenzene	ND	4.9	0.54	1.00	
Vinyl Acetate	ND	49	4.7	1.00	
Vinyl Chloride	ND	4.9	0.49	1.00	
p/m-Xylene	ND	4.9	0.26	1.00	
o-Xylene	ND	4.9	0.55	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	5.1	1.00	
Diisopropyl Ether (DIPE)	ND	9.8	0.47	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.8	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.8	0.35	1.00	
Ethanol	ND	250	82	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 78 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	96	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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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-15	**19-07-0289-27-A**	**07/05/19 11:30**	**Solid**	**GC/MS LL**	**07/05/19**	**07/06/19 00:52**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	130	6.3	1.00	
Benzene	ND	5.1	0.13	1.00	
Bromobenzene	ND	5.1	0.21	1.00	
Bromochloromethane	ND	5.1	0.70	1.00	
Bromodichloromethane	ND	5.1	0.24	1.00	
Bromoform	ND	5.1	0.81	1.00	
Bromomethane	ND	25	9.6	1.00	
2-Butanone	ND	51	3.8	1.00	
n-Butylbenzene	ND	5.1	0.16	1.00	
sec-Butylbenzene	ND	5.1	0.59	1.00	
tert-Butylbenzene	ND	5.1	0.15	1.00	
Carbon Disulfide	ND	51	0.31	1.00	
Carbon Tetrachloride	ND	5.1	0.29	1.00	
Chlorobenzene	ND	5.1	0.23	1.00	
Chloroethane	ND	5.1	1.5	1.00	
Chloroform	ND	5.1	0.24	1.00	
Chloromethane	ND	25	0.31	1.00	
2-Chlorotoluene	ND	5.1	0.24	1.00	
4-Chlorotoluene	ND	5.1	0.22	1.00	
Dibromochloromethane	ND	5.1	0.58	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.8	1.00	
1,2-Dibromoethane	ND	5.1	0.26	1.00	
Dibromomethane	ND	5.1	0.79	1.00	
1,2-Dichlorobenzene	ND	5.1	0.23	1.00	
1,3-Dichlorobenzene	ND	5.1	0.18	1.00	
1,4-Dichlorobenzene	ND	5.1	0.23	1.00	
Dichlorodifluoromethane	ND	5.1	0.45	1.00	
1,1-Dichloroethane	ND	5.1	0.21	1.00	
1,2-Dichloroethane	ND	5.1	0.32	1.00	
1,1-Dichloroethene	ND	5.1	0.35	1.00	
c-1,2-Dichloroethene	ND	5.1	0.28	1.00	
t-1,2-Dichloroethene	ND	5.1	0.51	1.00	
1,2-Dichloropropane	ND	5.1	0.45	1.00	
1,3-Dichloropropane	ND	5.1	0.26	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.1	0.34	1.00	
1,1-Dichloropropene	ND	5.1	0.33	1.00	
c-1,3-Dichloropropene	ND	5.1	0.26	1.00	
t-1,3-Dichloropropene	ND	5.1	0.62	1.00	
Ethylbenzene	ND	5.1	0.15	1.00	
2-Hexanone	ND	51	1.8	1.00	
Isopropylbenzene	ND	5.1	0.56	1.00	
p-Isopropyltoluene	ND	5.1	0.64	1.00	
Methylene Chloride	ND	51	1.4	1.00	
4-Methyl-2-Pentanone	ND	51	4.4	1.00	
Naphthalene	ND	51	0.83	1.00	
n-Propylbenzene	ND	5.1	0.51	1.00	
Styrene	ND	5.1	0.61	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	0.35	1.00	
Tetrachloroethene	ND	5.1	0.21	1.00	
Toluene	ND	5.1	0.52	1.00	
1,2,3-Trichlorobenzene	ND	10	0.93	1.00	
1,2,4-Trichlorobenzene	ND	5.1	0.32	1.00	
1,1,1-Trichloroethane	ND	5.1	0.23	1.00	
1,1,2-Trichloroethane	ND	5.1	0.36	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	0.36	1.00	
Trichloroethene	ND	5.1	0.31	1.00	
1,2,3-Trichloropropane	ND	5.1	0.84	1.00	
1,2,4-Trimethylbenzene	ND	5.1	0.60	1.00	
Trichlorofluoromethane	ND	51	0.38	1.00	
1,3,5-Trimethylbenzene	ND	5.1	0.56	1.00	
Vinyl Acetate	ND	51	4.8	1.00	
Vinyl Chloride	ND	5.1	0.51	1.00	
p/m-Xylene	ND	5.1	0.27	1.00	
o-Xylene	ND	5.1	0.57	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	0.30	1.00	
Tert-Butyl Alcohol (TBA)	ND	51	5.3	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.49	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.51	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.36	1.00	
Ethanol	ND	250	85	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 81 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	95	71-155	
Toluene-d8	97	80-120	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-20	**19-07-0289-28-A**	**07/05/19 11:32**	**Solid**	**GC/MS LL**	**07/05/19**	**07/06/19 01:18**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	130	6.5	1.00	
Benzene	ND	5.2	0.13	1.00	
Bromobenzene	ND	5.2	0.22	1.00	
Bromochloromethane	ND	5.2	0.71	1.00	
Bromodichloromethane	ND	5.2	0.24	1.00	
Bromoform	ND	5.2	0.82	1.00	
Bromomethane	ND	26	9.8	1.00	
2-Butanone	ND	52	3.9	1.00	
n-Butylbenzene	ND	5.2	0.16	1.00	
sec-Butylbenzene	ND	5.2	0.60	1.00	
tert-Butylbenzene	ND	5.2	0.16	1.00	
Carbon Disulfide	ND	52	0.32	1.00	
Carbon Tetrachloride	ND	5.2	0.29	1.00	
Chlorobenzene	ND	5.2	0.23	1.00	
Chloroethane	ND	5.2	1.5	1.00	
Chloroform	ND	5.2	0.25	1.00	
Chloromethane	ND	26	0.31	1.00	
2-Chlorotoluene	ND	5.2	0.24	1.00	
4-Chlorotoluene	ND	5.2	0.22	1.00	
Dibromochloromethane	ND	5.2	0.59	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.8	1.00	
1,2-Dibromoethane	ND	5.2	0.26	1.00	
Dibromomethane	ND	5.2	0.80	1.00	
1,2-Dichlorobenzene	ND	5.2	0.24	1.00	
1,3-Dichlorobenzene	ND	5.2	0.18	1.00	
1,4-Dichlorobenzene	ND	5.2	0.23	1.00	
Dichlorodifluoromethane	ND	5.2	0.46	1.00	
1,1-Dichloroethane	ND	5.2	0.22	1.00	
1,2-Dichloroethane	ND	5.2	0.33	1.00	
1,1-Dichloroethene	ND	5.2	0.36	1.00	
c-1,2-Dichloroethene	ND	5.2	0.29	1.00	
t-1,2-Dichloroethene	ND	5.2	0.52	1.00	
1,2-Dichloropropane	ND	5.2	0.45	1.00	
1,3-Dichloropropane	ND	5.2	0.26	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.2	0.34	1.00	
1,1-Dichloropropene	ND	5.2	0.34	1.00	
c-1,3-Dichloropropene	ND	5.2	0.26	1.00	
t-1,3-Dichloropropene	ND	5.2	0.63	1.00	
Ethylbenzene	ND	5.2	0.16	1.00	
2-Hexanone	ND	52	1.8	1.00	
Isopropylbenzene	ND	5.2	0.57	1.00	
p-Isopropyltoluene	ND	5.2	0.65	1.00	
Methylene Chloride	ND	52	1.4	1.00	
4-Methyl-2-Pentanone	ND	52	4.5	1.00	
Naphthalene	ND	52	0.84	1.00	
n-Propylbenzene	ND	5.2	0.52	1.00	
Styrene	ND	5.2	0.63	1.00	
1,1,1,2-Tetrachloroethane	ND	5.2	0.25	1.00	
1,1,2,2-Tetrachloroethane	ND	5.2	0.36	1.00	
Tetrachloroethene	ND	5.2	0.22	1.00	
Toluene	ND	5.2	0.53	1.00	
1,2,3-Trichlorobenzene	ND	10	0.95	1.00	
1,2,4-Trichlorobenzene	ND	5.2	0.32	1.00	
1,1,1-Trichloroethane	ND	5.2	0.23	1.00	
1,1,2-Trichloroethane	ND	5.2	0.37	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	52	0.36	1.00	
Trichloroethene	ND	5.2	0.31	1.00	
1,2,3-Trichloropropane	ND	5.2	0.86	1.00	
1,2,4-Trimethylbenzene	ND	5.2	0.61	1.00	
Trichlorofluoromethane	ND	52	0.39	1.00	
1,3,5-Trimethylbenzene	ND	5.2	0.57	1.00	
Vinyl Acetate	ND	52	4.9	1.00	
Vinyl Chloride	ND	5.2	0.52	1.00	
p/m-Xylene	ND	5.2	0.28	1.00	
o-Xylene	ND	5.2	0.58	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.2	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	52	5.4	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.52	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.36	1.00	
Ethanol	ND	260	87	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 84 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	97	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

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 85 of 96

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-25	**19-07-0289-29-A**	**07/05/19 11:37**	**Solid**	**GC/MS LL**	**07/05/19**	**07/06/19 01:44**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1.00	
Benzene	ND	5.0	0.13	1.00	
Bromobenzene	ND	5.0	0.21	1.00	
Bromochloromethane	ND	5.0	0.68	1.00	
Bromodichloromethane	ND	5.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	25	9.3	1.00	
2-Butanone	ND	50	3.7	1.00	
n-Butylbenzene	ND	5.0	0.16	1.00	
sec-Butylbenzene	ND	5.0	0.57	1.00	
tert-Butylbenzene	ND	5.0	0.15	1.00	
Carbon Disulfide	ND	50	0.30	1.00	
Carbon Tetrachloride	ND	5.0	0.28	1.00	
Chlorobenzene	ND	5.0	0.22	1.00	
Chloroethane	ND	5.0	1.5	1.00	
Chloroform	ND	5.0	0.24	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	5.0	0.23	1.00	
4-Chlorotoluene	ND	5.0	0.21	1.00	
Dibromochloromethane	ND	5.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.7	1.00	
1,2-Dibromoethane	ND	5.0	0.25	1.00	
Dibromomethane	ND	5.0	0.77	1.00	
1,2-Dichlorobenzene	ND	5.0	0.23	1.00	
1,3-Dichlorobenzene	ND	5.0	0.17	1.00	
1,4-Dichlorobenzene	ND	5.0	0.22	1.00	
Dichlorodifluoromethane	ND	5.0	0.44	1.00	
1,1-Dichloroethane	ND	5.0	0.21	1.00	
1,2-Dichloroethane	ND	5.0	0.31	1.00	
1,1-Dichloroethene	ND	5.0	0.34	1.00	
c-1,2-Dichloroethene	ND	5.0	0.28	1.00	
t-1,2-Dichloroethene	ND	5.0	0.50	1.00	
1,2-Dichloropropane	ND	5.0	0.43	1.00	
1,3-Dichloropropane	ND	5.0	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	5.0	0.33	1.00	
c-1,3-Dichloropropene	ND	5.0	0.25	1.00	
t-1,3-Dichloropropene	ND	5.0	0.60	1.00	
Ethylbenzene	ND	5.0	0.15	1.00	
2-Hexanone	ND	50	1.7	1.00	
Isopropylbenzene	ND	5.0	0.54	1.00	
p-Isopropyltoluene	ND	5.0	0.62	1.00	
Methylene Chloride	ND	50	1.3	1.00	
4-Methyl-2-Pentanone	ND	50	4.3	1.00	
Naphthalene	ND	50	0.81	1.00	
n-Propylbenzene	ND	5.0	0.50	1.00	
Styrene	ND	5.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	0.34	1.00	
Tetrachloroethene	ND	5.0	0.21	1.00	
Toluene	ND	5.0	0.51	1.00	
1,2,3-Trichlorobenzene	ND	9.9	0.91	1.00	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1.00	
1,1,1-Trichloroethane	ND	5.0	0.22	1.00	
1,1,2-Trichloroethane	ND	5.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1.00	
Trichloroethene	ND	5.0	0.30	1.00	
1,2,3-Trichloropropane	ND	5.0	0.82	1.00	
1,2,4-Trimethylbenzene	ND	5.0	0.58	1.00	
Trichlorofluoromethane	ND	50	0.37	1.00	
1,3,5-Trimethylbenzene	ND	5.0	0.54	1.00	
Vinyl Acetate	ND	50	4.7	1.00	
Vinyl Chloride	ND	5.0	0.50	1.00	
p/m-Xylene	ND	5.0	0.27	1.00	
o-Xylene	ND	5.0	0.55	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	5.1	1.00	
Diisopropyl Ether (DIPE)	ND	9.9	0.48	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.9	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.9	0.35	1.00	
Ethanol	ND	250	83	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 87 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	93	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-30	**19-07-0289-30-A**	**07/05/19 11:40**	**Solid**	**GC/MS LL**	**07/05/19**	**07/06/19 02:09**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.1	1.00	
Benzene	ND	4.9	0.13	1.00	
Bromobenzene	ND	4.9	0.20	1.00	
Bromochloromethane	ND	4.9	0.67	1.00	
Bromodichloromethane	ND	4.9	0.23	1.00	
Bromoform	ND	4.9	0.77	1.00	
Bromomethane	ND	24	9.2	1.00	
2-Butanone	ND	49	3.7	1.00	
n-Butylbenzene	ND	4.9	0.15	1.00	
sec-Butylbenzene	ND	4.9	0.56	1.00	
tert-Butylbenzene	ND	4.9	0.15	1.00	
Carbon Disulfide	ND	49	0.30	1.00	
Carbon Tetrachloride	ND	4.9	0.28	1.00	
Chlorobenzene	ND	4.9	0.22	1.00	
Chloroethane	ND	4.9	1.5	1.00	
Chloroform	ND	4.9	0.23	1.00	
Chloromethane	ND	24	0.30	1.00	
2-Chlorotoluene	ND	4.9	0.23	1.00	
4-Chlorotoluene	ND	4.9	0.21	1.00	
Dibromochloromethane	ND	4.9	0.55	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.7	1.7	1.00	
1,2-Dibromoethane	ND	4.9	0.25	1.00	
Dibromomethane	ND	4.9	0.75	1.00	
1,2-Dichlorobenzene	ND	4.9	0.22	1.00	
1,3-Dichlorobenzene	ND	4.9	0.17	1.00	
1,4-Dichlorobenzene	ND	4.9	0.22	1.00	
Dichlorodifluoromethane	ND	4.9	0.43	1.00	
1,1-Dichloroethane	ND	4.9	0.21	1.00	
1,2-Dichloroethane	ND	4.9	0.31	1.00	
1,1-Dichloroethene	ND	4.9	0.34	1.00	
c-1,2-Dichloroethene	ND	4.9	0.27	1.00	
t-1,2-Dichloroethene	ND	4.9	0.49	1.00	
1,2-Dichloropropane	ND	4.9	0.43	1.00	
1,3-Dichloropropane	ND	4.9	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.32	1.00	
1,1-Dichloropropene	ND	4.9	0.32	1.00	
c-1,3-Dichloropropene	ND	4.9	0.25	1.00	
t-1,3-Dichloropropene	ND	4.9	0.59	1.00	
Ethylbenzene	ND	4.9	0.15	1.00	
2-Hexanone	ND	49	1.7	1.00	
Isopropylbenzene	ND	4.9	0.53	1.00	
p-Isopropyltoluene	ND	4.9	0.61	1.00	
Methylene Chloride	ND	49	1.3	1.00	
4-Methyl-2-Pentanone	ND	49	4.2	1.00	
Naphthalene	ND	49	0.79	1.00	
n-Propylbenzene	ND	4.9	0.49	1.00	
Styrene	ND	4.9	0.59	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	0.23	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	0.34	1.00	
Tetrachloroethene	ND	4.9	0.20	1.00	
Toluene	ND	4.9	0.50	1.00	
1,2,3-Trichlorobenzene	ND	9.7	0.89	1.00	
1,2,4-Trichlorobenzene	ND	4.9	0.30	1.00	
1,1,1-Trichloroethane	ND	4.9	0.22	1.00	
1,1,2-Trichloroethane	ND	4.9	0.34	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	0.34	1.00	
Trichloroethene	ND	4.9	0.29	1.00	
1,2,3-Trichloropropane	ND	4.9	0.81	1.00	
1,2,4-Trimethylbenzene	ND	4.9	0.57	1.00	
Trichlorofluoromethane	ND	49	0.36	1.00	
1,3,5-Trimethylbenzene	ND	4.9	0.53	1.00	
Vinyl Acetate	ND	49	4.6	1.00	
Vinyl Chloride	ND	4.9	0.49	1.00	
p/m-Xylene	ND	4.9	0.26	1.00	
o-Xylene	ND	4.9	0.54	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.29	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	9.7	0.47	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.7	0.49	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.7	0.34	1.00	
Ethanol	ND	240	81	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 90 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	97	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-15559**	**N/A**	**Solid**	**GC/MS LL**	**07/05/19**	**07/05/19 16:38**	**190705L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1.00	
Benzene	ND	5.0	0.13	1.00	
Bromobenzene	ND	5.0	0.21	1.00	
Bromochloromethane	ND	5.0	0.69	1.00	
Bromodichloromethane	ND	5.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	25	9.4	1.00	
2-Butanone	ND	50	3.8	1.00	
n-Butylbenzene	ND	5.0	0.16	1.00	
sec-Butylbenzene	ND	5.0	0.58	1.00	
tert-Butylbenzene	ND	5.0	0.15	1.00	
Carbon Disulfide	ND	50	0.31	1.00	
Carbon Tetrachloride	ND	5.0	0.28	1.00	
Chlorobenzene	ND	5.0	0.22	1.00	
Chloroethane	ND	5.0	1.5	1.00	
Chloroform	ND	5.0	0.24	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	5.0	0.23	1.00	
4-Chlorotoluene	ND	5.0	0.21	1.00	
Dibromochloromethane	ND	5.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1.00	
1,2-Dibromoethane	ND	5.0	0.26	1.00	
Dibromomethane	ND	5.0	0.77	1.00	
1,2-Dichlorobenzene	ND	5.0	0.23	1.00	
1,3-Dichlorobenzene	ND	5.0	0.18	1.00	
1,4-Dichlorobenzene	ND	5.0	0.22	1.00	
Dichlorodifluoromethane	ND	5.0	0.44	1.00	
1,1-Dichloroethane	ND	5.0	0.21	1.00	
1,2-Dichloroethane	ND	5.0	0.31	1.00	
1,1-Dichloroethene	ND	5.0	0.35	1.00	
c-1,2-Dichloroethene	ND	5.0	0.28	1.00	
t-1,2-Dichloroethene	ND	5.0	0.51	1.00	
1,2-Dichloropropane	ND	5.0	0.44	1.00	
1,3-Dichloropropane	ND	5.0	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	5.0	0.33	1.00	
c-1,3-Dichloropropene	ND	5.0	0.25	1.00	
t-1,3-Dichloropropene	ND	5.0	0.61	1.00	
Ethylbenzene	ND	5.0	0.15	1.00	
2-Hexanone	ND	50	1.8	1.00	
Isopropylbenzene	ND	5.0	0.55	1.00	
p-Isopropyltoluene	ND	5.0	0.63	1.00	
Methylene Chloride	ND	50	1.3	1.00	
4-Methyl-2-Pentanone	ND	50	4.3	1.00	
Naphthalene	ND	50	0.81	1.00	
n-Propylbenzene	ND	5.0	0.50	1.00	
Styrene	ND	5.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1.00	
Tetrachloroethene	ND	5.0	0.21	1.00	
Toluene	ND	5.0	0.52	1.00	
1,2,3-Trichlorobenzene	ND	10	0.91	1.00	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1.00	
1,1,1-Trichloroethane	ND	5.0	0.23	1.00	
1,1,2-Trichloroethane	ND	5.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1.00	
Trichloroethene	ND	5.0	0.30	1.00	
1,2,3-Trichloropropane	ND	5.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1.00	
Trichlorofluoromethane	ND	50	0.38	1.00	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1.00	
Vinyl Acetate	ND	50	4.7	1.00	
Vinyl Chloride	ND	5.0	0.50	1.00	
p/m-Xylene	ND	5.0	0.27	1.00	
o-Xylene	ND	5.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	5.2	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.48	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.51	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.35	1.00	
Ethanol	ND	250	84	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 93 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	96	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

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: 407948

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-15563**	**N/A**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 01:57**	**190705L011**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1.00	
Benzene	ND	5.0	0.13	1.00	
Bromobenzene	ND	5.0	0.21	1.00	
Bromochloromethane	ND	5.0	0.69	1.00	
Bromodichloromethane	ND	5.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	25	9.4	1.00	
2-Butanone	ND	50	3.8	1.00	
n-Butylbenzene	ND	5.0	0.16	1.00	
sec-Butylbenzene	ND	5.0	0.58	1.00	
tert-Butylbenzene	ND	5.0	0.15	1.00	
Carbon Disulfide	ND	50	0.31	1.00	
Carbon Tetrachloride	ND	5.0	0.28	1.00	
Chlorobenzene	ND	5.0	0.22	1.00	
Chloroethane	ND	5.0	1.5	1.00	
Chloroform	ND	5.0	0.24	1.00	
Chloromethane	ND	25	0.30	1.00	
2-Chlorotoluene	ND	5.0	0.23	1.00	
4-Chlorotoluene	ND	5.0	0.21	1.00	
Dibromochloromethane	ND	5.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1.00	
1,2-Dibromoethane	ND	5.0	0.26	1.00	
Dibromomethane	ND	5.0	0.77	1.00	
1,2-Dichlorobenzene	ND	5.0	0.23	1.00	
1,3-Dichlorobenzene	ND	5.0	0.18	1.00	
1,4-Dichlorobenzene	ND	5.0	0.22	1.00	
Dichlorodifluoromethane	ND	5.0	0.44	1.00	
1,1-Dichloroethane	ND	5.0	0.21	1.00	
1,2-Dichloroethane	ND	5.0	0.31	1.00	
1,1-Dichloroethene	ND	5.0	0.35	1.00	
c-1,2-Dichloroethene	ND	5.0	0.28	1.00	
t-1,2-Dichloroethene	ND	5.0	0.51	1.00	
1,2-Dichloropropane	ND	5.0	0.44	1.00	
1,3-Dichloropropane	ND	5.0	0.25	1.00	

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

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	5.0	0.33	1.00	
c-1,3-Dichloropropene	ND	5.0	0.25	1.00	
t-1,3-Dichloropropene	ND	5.0	0.61	1.00	
Ethylbenzene	ND	5.0	0.15	1.00	
2-Hexanone	ND	50	1.8	1.00	
Isopropylbenzene	ND	5.0	0.55	1.00	
p-Isopropyltoluene	ND	5.0	0.63	1.00	
Methylene Chloride	ND	50	1.3	1.00	
4-Methyl-2-Pentanone	ND	50	4.3	1.00	
Naphthalene	ND	50	0.81	1.00	
n-Propylbenzene	ND	5.0	0.50	1.00	
Styrene	ND	5.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1.00	
Tetrachloroethene	ND	5.0	0.21	1.00	
Toluene	ND	5.0	0.52	1.00	
1,2,3-Trichlorobenzene	ND	10	0.91	1.00	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1.00	
1,1,1-Trichloroethane	ND	5.0	0.23	1.00	
1,1,2-Trichloroethane	ND	5.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1.00	
Trichloroethene	ND	5.0	0.30	1.00	
1,2,3-Trichloropropane	ND	5.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1.00	
Trichlorofluoromethane	ND	50	0.38	1.00	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1.00	
Vinyl Acetate	ND	50	4.7	1.00	
Vinyl Chloride	ND	5.0	0.50	1.00	
p/m-Xylene	ND	5.0	0.27	1.00	
o-Xylene	ND	5.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	5.2	1.00	
Diisopropyl Ether (DIPE)	ND	10	0.48	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.51	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.35	1.00	
Ethanol	ND	250	84	1.00	

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

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Analytical Report

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: 407948			Page 96 of 96

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	106	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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Quality Control - Spike/Spike Duplicate

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: 407948			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-1-5	**Sample**	**Solid**	**GC 50**	**07/05/19**	**07/06/19 21:03**	**190705S02**
B-1-5	**Matrix Spike**	**Solid**	**GC 50**	**07/05/19**	**07/06/19 20:23**	**190705S02**
B-1-5	**Matrix Spike Duplicate**	**Solid**	**GC 50**	**07/05/19**	**07/06/19 20:43**	**190705S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH Gas/Diesel	ND	400.0	340.6	85	364.4	91	60-140	7	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: 407948			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-4-15	**Sample**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 04:28**	**190705S03**
B-4-15	**Matrix Spike**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 03:47**	**190705S03**
B-4-15	**Matrix Spike Duplicate**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 04:07**	**190705S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH Gas/Diesel	ND	400.0	367.4	92	341.4	85	60-140	7	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: 407948			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-1-5	**Sample**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 15:35**	**190705S02**
B-1-5	**Matrix Spike**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 15:37**	**190705S02**
B-1-5	**Matrix Spike Duplicate**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 15:44**	**190705S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Cadmium	ND	25.00	24.93	100	24.91	100	75-125	0	0-20	
Chromium	37.85	25.00	60.71	91	60.09	89	75-125	1	0-20	
Lead	1.804	25.00	25.41	94	25.01	93	75-125	2	0-20	
Nickel	15.34	25.00	38.97	94	38.92	94	75-125	0	0-20	
Zinc	43.79	25.00	65.79	88	65.69	88	75-125	0	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: 407948			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-3-15	**Sample**	**Solid**	**GC/MS LL**	**07/05/19**	**07/05/19 20:05**	**190705S002**
B-3-15	**Matrix Spike**	**Solid**	**GC/MS LL**	**07/05/19**	**07/05/19 17:54**	**190705S002**
B-3-15	**Matrix Spike Duplicate**	**Solid**	**GC/MS LL**	**07/05/19**	**07/05/19 18:21**	**190705S002**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	48.61	97	48.32	97	61-127	1	0-20	
Carbon Tetrachloride	ND	50.00	53.56	107	53.62	107	51-135	0	0-29	
Chlorobenzene	ND	50.00	50.58	101	48.84	98	57-123	3	0-20	
1,2-Dibromoethane	ND	50.00	54.55	109	51.63	103	64-124	5	0-20	
1,2-Dichlorobenzene	ND	50.00	52.20	104	49.84	100	35-131	5	0-25	
1,2-Dichloroethane	ND	50.00	50.84	102	49.92	100	80-120	2	0-20	
1,1-Dichloroethene	ND	50.00	51.76	104	49.84	100	47-143	4	0-25	
Ethylbenzene	ND	50.00	51.39	103	49.50	99	57-129	4	0-22	
Toluene	ND	50.00	50.95	102	49.39	99	63-123	3	0-20	
Trichloroethene	ND	50.00	53.43	107	51.61	103	44-158	3	0-20	
Vinyl Chloride	ND	50.00	46.56	93	39.04	78	49-139	18	0-47	
p/m-Xylene	ND	100.0	106.7	107	101.9	102	70-130	5	0-30	
o-Xylene	ND	50.00	50.18	100	48.41	97	70-130	4	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	42.99	86	42.20	84	57-123	2	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	238.6	95	233.3	93	30-168	2	0-34	
Diisopropyl Ether (DIPE)	ND	50.00	47.43	95	46.07	92	57-129	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	46.24	92	45.37	91	55-127	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	52.75	106	51.35	103	58-124	3	0-20	
Ethanol	ND	500.0	518.0	104	523.8	105	17-167	1	0-47	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: 407948			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-1-10	**Sample**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 02:27**	**190705S005**
B-1-10	**Matrix Spike**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 03:25**	**190705S005**
B-1-10	**Matrix Spike Duplicate**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 03:55**	**190705S005**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	41.32	83	41.14	82	61-127	0	0-20	
Carbon Tetrachloride	ND	50.00	42.76	86	42.80	86	51-135	0	0-29	
Chlorobenzene	ND	50.00	39.52	79	39.24	78	57-123	1	0-20	
1,2-Dibromoethane	ND	50.00	42.96	86	41.20	82	64-124	4	0-20	
1,2-Dichlorobenzene	ND	50.00	36.88	74	37.31	75	35-131	1	0-25	
1,2-Dichloroethane	ND	50.00	42.74	85	40.94	82	80-120	4	0-20	
1,1-Dichloroethene	ND	50.00	40.45	81	40.46	81	47-143	0	0-25	
Ethylbenzene	ND	50.00	40.66	81	40.24	80	57-129	1	0-22	
Toluene	ND	50.00	42.12	84	41.51	83	63-123	1	0-20	
Trichloroethene	ND	50.00	42.53	85	41.99	84	44-158	1	0-20	
Vinyl Chloride	ND	50.00	38.95	78	40.15	80	49-139	3	0-47	
p/m-Xylene	ND	100.0	82.28	82	82.80	83	70-130	1	0-30	
o-Xylene	ND	50.00	42.32	85	42.59	85	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	35.74	71	33.78	68	57-123	6	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	165.1	66	167.9	67	30-168	2	0-34	
Diisopropyl Ether (DIPE)	ND	50.00	43.88	88	41.92	84	57-129	5	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	38.02	76	36.07	72	55-127	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	42.59	85	40.45	81	58-124	5	0-20	
Ethanol	ND	500.0	396.1	79	400.8	80	17-167	1	0-47	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: 407948			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-476-520	**LCS**	**Solid**	**GC 50**	**07/05/19**	**07/06/19 20:03**	**190705B02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH Gas/Diesel	400.0	340.8	85	70-130	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: 407948			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-476-521	**LCS**	**Solid**	**GC 50**	**07/05/19**	**07/07/19 03:27**	**190705B03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH Gas/Diesel	400.0	349.0	87	70-130	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 407948

Date Received: 07/05/19
Work Order: 19-07-0289
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-28092	**LCS**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 13:23**	**190705L02**
097-01-002-28092	**LCSD**	**Solid**	**ICP 8300**	**07/05/19**	**07/08/19 13:25**	**190705L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Cadmium	25.00	24.69	99	24.80	99	80-120	0	0-20	
Chromium	25.00	24.69	99	24.74	99	80-120	0	0-20	
Lead	25.00	25.32	101	24.99	100	80-120	1	0-20	
Nickel	25.00	25.30	101	25.35	101	80-120	0	0-20	
Zinc	25.00	25.43	102	25.22	101	80-120	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: 407948			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-15559	**LCS**	**Solid**	**GC/MS LL**	**07/05/19**	**07/05/19 15:39**	**190705L007**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	49.61	99	80-120	73-127	
Carbon Tetrachloride	50.00	56.42	113	65-137	53-149	
Chlorobenzene	50.00	53.53	107	80-120	73-127	
1,2-Dibromoethane	50.00	51.21	102	80-120	73-127	
1,2-Dichlorobenzene	50.00	53.55	107	80-120	73-127	
1,2-Dichloroethane	50.00	49.75	99	80-120	73-127	
1,1-Dichloroethene	50.00	53.72	107	68-128	58-138	
Ethylbenzene	50.00	53.97	108	80-120	73-127	
Toluene	50.00	51.03	102	80-120	73-127	
Trichloroethene	50.00	52.32	105	80-120	73-127	
Vinyl Chloride	50.00	43.37	87	67-127	57-137	
p/m-Xylene	100.0	113.1	113	75-125	67-133	
o-Xylene	50.00	52.49	105	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	42.36	85	70-124	61-133	
Tert-Butyl Alcohol (TBA)	250.0	221.5	89	73-121	65-129	
Diisopropyl Ether (DIPE)	50.00	48.92	98	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	46.03	92	70-124	61-133	
Tert-Amyl-Methyl Ether (TAME)	50.00	49.99	100	74-122	66-130	
Ethanol	500.0	478.2	96	51-135	37-149	

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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Quality Control - LCS

AEI Consultants		Date Received:	07/05/19
2207 West 190th Street		Work Order:	19-07-0289
Torrance, CA 90504-6001		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: 407948			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-15563	**LCS**	**Solid**	**GC/MS OO**	**07/05/19**	**07/06/19 00:29**	**190705L011**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	46.88	94	80-120	73-127	
Carbon Tetrachloride	50.00	47.06	94	65-137	53-149	
Chlorobenzene	50.00	45.94	92	80-120	73-127	
1,2-Dibromoethane	50.00	48.11	96	80-120	73-127	
1,2-Dichlorobenzene	50.00	46.20	92	80-120	73-127	
1,2-Dichloroethane	50.00	48.30	97	80-120	73-127	
1,1-Dichloroethene	50.00	43.54	87	68-128	58-138	
Ethylbenzene	50.00	46.51	93	80-120	73-127	
Toluene	50.00	47.70	95	80-120	73-127	
Trichloroethene	50.00	48.41	97	80-120	73-127	
Vinyl Chloride	50.00	43.08	86	67-127	57-137	
p/m-Xylene	100.0	95.80	96	75-125	67-133	
o-Xylene	50.00	48.86	98	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	39.79	80	70-124	61-133	
Tert-Butyl Alcohol (TBA)	250.0	206.6	83	73-121	65-129	
Diisopropyl Ether (DIPE)	50.00	48.96	98	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	43.91	88	70-124	61-133	
Tert-Amyl-Methyl Ether (TAME)	50.00	49.03	98	74-122	66-130	
Ethanol	500.0	476.8	95	51-135	37-149	

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: 19-07-0289 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	1080	ICP 8300	1
EPA 8015B (M)	EPA 3550B	972	GC 50	1
EPA 8260B	EPA 5030C	1120	GC/MS LL	2
EPA 8260B	EPA 5030C	1191	GC/MS OO	2

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Glossary of Terms and Qualifiers

Work Order: 19-07-0289 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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WO NO. / LAB USE ONLY
19-07-0289

CHAIN-OF-CUSTODY RECORD

Date 7/5/19
Page 1 of 3

LABORATORY CLIENT: AEI Consultants
ADDRESS: 2207 W 190th street
CITY: Torrance STATE: CA ZIP: 90504
TEL: 310-798-4255 E-MAIL: dgeyer@aeiconsultants.com
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

CLIENT PROJECT NAME / NO.: 407948
PROJECT CONTACT: Kate Lamb
GLOBAL ID:
LOG CODE:
P.O. NO.: 198578
LAB CONTACT OR QUOTE NO:
SAMPLER(S): (PRINT) Dashiell Geyer

REQUESTED ANALYSES
Please check box or fill in blank as needed.

SPECIAL INSTRUCTIONS:

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH extended range	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	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	LUFT 5 Metals 6010B			
1	B-1-5	7/5/19	0844	SOIL	1	X						X		X									X			
2	B-1-10		0848			X						X		X									[redacted]			
3	B-1-15		0849			X						X		X									X			
4	B-1-20		0852			X						X		X									[redacted]			
5	B-1-25		0858			X						X		X									X			
6	B-1-30		0900			X						X		X									[redacted]			
7	B-2-5		0923			X						X		X									[redacted]			
8	B-2-10		0925			X						X		X									X			
9	B-2-15		0927			X						X		X									[redacted]			
10	B-2-20	↓	0930	↓	↓	X						X		X									X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Dannyle Tr	Date: 7/5/19	Time: 13:25
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2016-04-01-Revision

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CHAIN-OF-CUSTODY RECORD

Date 7/5/19

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WO NO. / LAB USE ONLY: 19-07-0289

LABORATORY CLIENT:

ADDRESS: Page 2

CITY: STATE: ZIP:

TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: 407948

P.O. NO.: 198578

PROJECT CONTACT: Kate Lamb

LAB CONTACT OR QUOTE NO:

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT) Dashiell Geyer

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 ☐ C6-C36 ☐ C6-C44	TPH extended range	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	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	Lust 5 metals (6010B)			
11	B-2-25	7/5/19	0957	SOIL	1	X						X		X									X			
12	B-2-30		0958			X						X		X									X			
13	B-3-5		1014			X						X		X									X			
14	B-3-10		1017			X						X		X									X			
15	B-3-15		1018			X						X		X									X			
16	B-3-20		1019			X						X		X									X			
17	B-3-25		1023			X						X		X									X			
18	B-3-30		1026			X						X		X									X			
19	B-4-5		1048			X						X		X									X			
20	B-4-10		1050			X						X		X									X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Danyale Ea	Date: 7/5/19	Time: 13:25
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2016-04-01-Revision

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WO NO. / LAB USE ONLY: 19-07-0289

CHAIN-OF-CUSTODY RECORD

Date 7/5/19

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LABORATORY CLIENT:

ADDRESS: Page 3

CITY: STATE: ZIP:

TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: 407948

P.O. NO.: 198578

PROJECT CONTACT: Kate Lamb

LAB CONTACT OR QUOTE NO:

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT) Dashiell Geyer

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 ☐ C6-C36 ☐ C6-C44	TPH extended range	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	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	just 5 metals (6010B)			
21	B-4-15	7/5/19	1051	SOIL	1	X						X		X									X			
22	B-4-20		1054			X						X		X									X			
23	B-4-25		1058			X						X		X									X			
24	B-4-30		1101			X						X		X									X			
25	B-5-5		1126			X						X		X									X			
26	B-5-10		1128			X						X		X									X			
27	B-5-15		1130			X						X		X									X			
28	B-5-20		1132			X						X		X									X			
29	B-5-25		1137			X						X		X									X			
30	B-5-30		1140			X						X		X									X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/5/19	Time: 13:25
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2016-04-01-Revision

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WORK ORDER NUMBER: 19-07-0289

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: AEI Consultants

DATE: 07/05/2019

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

Thermometer ID: SC6 (CF: +0.2°C); Temperature (w/o CF): 4.6 °C (w/ CF): 4.8 °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: 6M

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 6M

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1053

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			
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 ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 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 ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☑ Sleeve (P) ☐ 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: 1053

s = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH Reviewed by: 6M

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WORK ORDER NUMBER: 19-07- 0289

SAMPLE ANOMALY REPORT

DATE: 07/ 5 / 2019

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
- ☐ 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*)

(-18) collection date per label is 7-4-19

* 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: 1053

Reviewed by: 619

** Record the total number of containers (i.e., vials or bottles) for the affected sample.

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