APPENDIX H

UPDATED TECHNICAL MEMORANDUM-
WASTE CHARACTERIZATION SOIL SAMPLING

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

October 31, 2018
Project No. 210808001

Ms. Betsy Lindsay, President
UltraSystems Environmental, Inc.
16431 Scientific Way
Irvine, California 92618

Subject: Updated Technical Memorandum – Waste Characterization Soil Sampling
Los Alamitos High School
3591 West Cerritos Avenue
Los Alamitos, California 90720

References: Department of Toxic Substances Control, 2008, Determination of a Southern California Regional Background Arsenic Concentration in Soil, dated March.

Department of Toxic Substances Control, 2018, Human and Ecological Risk Office, Human Health Risk Assessment Note 3, dated January.

Regional Water Quality Control Board Santa Ana Region, 2003, Informal Guidelines for Petroleum Hydrocarbon and other Contaminated Soil Remediation and Reuse Projects, revised May.

United States Environmental Protection Agency, 2018, Regional Screening Levels, dated May.

Dear Ms. Lindsay:

In accordance with your authorization Ninyo & Moore is pleased to provide the results of our soil sampling and analysis performed at Los Alamitos High School at 3591 West Cerritos Avenue in Los Alamitos, California (site; Figure 1). The services were performed by Ninyo & Moore for UltraSystems Environmental Inc. (UltraSystems) on behalf of Los Alamitos Unified School District (the District). The purposes of the soil sampling were to characterize soil on the site prior to planned excavation for disposal as export and to evaluate whether significant concentrations of chemicals of concern are present in soil related to the adjoining open leaking underground storage tank (LUST) case to the southwest of the site at the former Unocal #4727 at 3501 West Cerritos Avenue. The soil sampling was not intended to delineate the extent of chemicals encountered.

SCOPE OF SERVICES

The following scope of services was performed:

- Underground Services Alert (USA) was notified at least 48 hours prior to intrusive activities.

- A site-specific health and safety plan (HSP) was prepared.
- A geophysical survey was performed to locate subsurface utility lines or features near proposed boring locations.
- Asphalt was cored at select locations to expose soil for hand augering and soil sampling.
- On September 5 and 6, 2018, twenty-one soil borings were advanced up to approximately 5 feet below ground surface (bgs) using a hand auger. One additional soil boring (B21), located near the adjoining open LUST case, was advanced to 10 feet bgs using a hand auger.
- On October 12, 2018, an additional 17 soil borings were advanced up to approximately 5 feet bgs using a hand auger, per Ultrasystem's electronic request on October 5, 2018.
- Borings were logged, and soil samples were collected in the field.
- After collection of soil samples, the boring locations were backfilled with hydrated, granular bentonite to top of soil and capped with black-dyed concrete or restored with the removed grass depending on the existing surface.
- Soil samples initially collected in September 2018, from 21 borings were analyzed for: total petroleum hydrocarbons (TPH) as diesel, motor oil, and gasoline range organics (DRO, MRO, and GRO, respectively) in accordance with United States Environmental Protection Agency (EPA) Method 8015M; volatile organic compounds (VOCs) in accordance with EPA Method 8260B; and Title 22 Metals in accordance with EPA Method 6010B/7471A. Soil samples from one boring (B21) adjoining the open LUST case were analyzed for TPHs and VOCs by EPA Method 8015M/5035 and 8260B/5035, respectively, and for Title 22 Metals by EPA Method 6010B/7471A.
- Additional soil samples were collected from 17 soil borings in October 2018, per the direction of UltraSystems, on behalf of the District. Samples were also analyzed for the constituents mentioned above.
- This report was prepared, including discussion of findings, conclusions, and recommendations; tables; figures; and laboratory analytical results.

Soil borings and sampling were performed by Ninyo & Moore. Soil matrix samples were analyzed by Orange Coast Analytical, Inc. (OCA) of Tustin, California, an Environmental Laboratory Accredited Program (ELAP) State certified laboratory.

Health and Safety Plan, Boring Mark-Out, and USA Notification

Prior to field work, Ninyo & Moore prepared a site-specific HSP, under the oversight of a Certified Industrial Hygienist, which addressed worker safety as well as the safety of the general public. The HSP was reviewed by site personnel prior to the start of field work.

Prior to the commencement of the soil sampling activities, the proposed soil boring locations were clearly marked with spray paint. USA of Southern California (Dig Alert) was notified at least 48 hours prior to initiation of intrusive field activities, and inquiry identification numbers were obtained (USA Ticket Nos. A182411420 and A182781404).

Geophysical Survey

On September 5, 2018, a geophysical survey was conducted by Spectrum Geophysics at the 22 proposed soil boring locations. On October 12, 2018, a geophysical survey was conducted by Subsurface Surveys, Inc. at the 17 additional proposed soil boring locations shown on Figure 2. The geophysical investigative methods included magnetics, electromagnetics, ground penetrating radar, and electromagnetic locator. This equipment was used to evaluate and clear each proposed sampling location for subsurface utilities and other possible buried obstructions within the proposed evaluation areas.

Coring Service

On September 5, 2018, Interphase Environmental, Inc. (Interphase) provided concrete coring services at five select soil boring sampling locations to create 4-inch diameter circular openings cut in concrete or asphalt surface to reach soil for hand augering.

As a result of the additional sampling requested by UltraSystems, and on behalf of the District, Interphase also provided coring services on October 12, 2018 at an additional five soil boring locations to reach soil for hand augering purposes.

Soil Sampling

Ninyo & Moore performed field work in accordance with standard field procedures, applicable regulatory guidelines, and under the direction of a California-licensed Professional Geologist. On September 5 and 6, 2018, 22 soil borings (B1 through B22) were advanced at the site, and on October 12, 2018, an additional 17 soil borings (B23 through B39) were advanced at the site using hand augering equipment. The approximate boring locations are shown on Figure 2.

Soil samples from soil borings B1 though B39 were collected at approximately 2 and 5 feet below the top of soil, except for soil boring location B21. Soil samples from boring B21 were collected at approximately 2, 5, and 10 feet below the top of soil and were collected to evaluate the if the site was impacted by the adjoining the open LUST case. Soil samples from boring B21 were also sub-cored in accordance with EPA Method 5035 for analysis of GRO and VOCs. The sample containers were labeled, placed in a cooler containing ice, and transported following standard chain-of-custody protocols to OCA within 24 hours after their collection.

Soil cuttings from the borings were visually logged in accordance with the Unified Soil Classification System. Fill material encountered in the borings consisted of sand with silt, some clay, and gravel to the depth explored of approximately 5 feet bgs. Alluvium was encountered below fill in two boreholes, B19 and B20, consisting of silty clay from approximately 4.5 feet bgs to 5 feet bgs. Soil from one borehole, B21, consisted of silty sand from surface to approximately 4

feet bgs, silty clay from approximately 4 to 6 feet bgs, and clay from approximately 6 to 10 feet bgs. Unusual odors or staining were not observed in soil cuttings from borings at the site. Groundwater was not encountered in the borings. Boring logs are presented in Attachment A.

After soil sampling was conducted, the soil borings were backfilled with hydrated, granular bentonite to top of soil and resurfaced with black-dyed concrete or restored with the removed grass to match the existing surface grade.

Soil cuttings and water from decontamination of hand auger equipment from both sampling events were stored in three 55-gallon drums located in a gated area between the tennis courts and the adjoining structure to the south, at the instruction of Mr. David Bodell, Maintenance Supervisor for Los Alamitos High School. The waste drums were removed from the site on October 31, 2018. A copy of the non-hazardous waste manifest is provided in Attachment B.

Deviation from Ninyo & Moore's Proposal dated August 10, 2018

One boring, B8, was advanced outside of the proposed future construction area in September 2018 in order to locate the boring over a nearby grass surface to conduct field work (Figure 2).

During the additional work conducted in October 2018, soil boring B29 was advanced to approximately 3 feet bgs due to the presence of a copper pipe observed at approximately 3 feet bgs.

Laboratory Analyses

Soil samples were submitted under chain-of-custody procedures to OCA. Soil samples collected from 39 borings (B1 through B20 and B22 through B39) were analyzed for DRO, MRO, and GRO in accordance with EPA Method 8015M; VOCs in accordance with EPA Method 8260B; and Title 22 Metals in accordance with EPA Method 6010B/7471A. Three soil samples from one boring, B21, were analyzed for DRO, MRO, and GRO in accordance with EPA Method 8015M/5035; VOCs in accordance with EPA Method 8260B/5035; and Title 22 Metals in accordance with EPA Method 6010B/7471A.

Eight duplicate samples (approximately 10 percent of total discrete samples collected) were collected along with eight discrete samples, and were analyzed by the same methods as their respective primary sample.

Analytical Results

Analytical results were compared to the Department of Toxic Substances Control (DTSC) Southern California regional background arsenic concentration in soil (DTSC, 2008), the DTSC Human and Ecological Risk Office (HERO), Human Health Risk Assessment (HHRA) Note 3 (DTSC, 2018), the

EPA Regional Screening Levels (RSLs) for residential soil (EPA, 2018), the Regional Water Quality Control Board Santa Ana Region (RWQCB) Reuse Guidelines (RWQCB, 2003) and hazardous waste levels for disposal at landfills in accordance with Title 22 of the California Code of Regulations (CCR) and Title 40 of the Code of Federal Regulations (CFR). Analytical results are presented in Tables 1 and 2, and discussed below. Laboratory reports are included in Attachment C.

Title 22 Metals

Detectable concentrations of Title 22 Metals were reported in the soil samples analyzed, at levels below their respective EPA RSLs and DTSC screening levels, except for arsenic. Arsenic was reported in 37 samples analyzed, ranging from 2.2 milligrams per kilogram (mg/kg) to 6.4 mg/kg. Detected values of arsenic were below the DTSC Acceptable Cleanup value for arsenic of 12 mg/kg (DTSC, 2008), some exceeded the Orange County Landfill acceptable arsenic concentration of 4.4 mg/kg.

Total Petroleum Hydrocarbons (TPH)

MRO was reported in various samples, at concentrations ranging from 30 to 340 mg/kg. GRO was reported in one sample, B21-5', at a concentration of 0.24 mg/kg. These detected concentrations of MRO and GRO were below their respective EPA RSLs for both residential and commercial soil and the RWQCB guidelines for reuse of TPH-contaminated soil (RWQCB, 2003). DRO was detected in six soil samples at concentrations ranging from 15 to 380 mg/kg. The DRO concentrations of 380 mg/kg in sample B1-5' and 110 mg/kg in sample B20-2' exceeded the RWQCB guidelines for reuse of TPH-contaminated soil.

Volatile Organic Compounds (VOCs)

Concentrations of VOCs were not reported in the soil samples analyzed (Table 2).

DISCUSSION AND CONCLUSIONS

Based on the laboratory analytical results of the soil samples analyzed during this limited assessment, the following findings and conclusions are provided:

- Fill material encountered in the soil borings consisted of sand with some silt and gravel to the depth explored of approximately 5 feet bgs. Alluvium was encountered below fill in two borings, B19 and B20, consisting of silty clay from approximately 4.5 feet bgs to 5 feet bgs. Soil from boring B21, consisted of silty sand from surface to approximately 4 feet bgs, silty clay from approximately 4 to 6 feet bgs, and clay from approximately 6 to 10 feet bgs.

- One borehole, B8, was advanced outside of the proposed future construction area in order to locate the boring over a nearby grass surface to conduct field work.

- Soil boring B29 was advanced to approximately 3 feet bgs due to the presence of a copper pipe observed at approximately 3 feet bgs.

- Detectable concentrations of Title 22 Metals were reported in the soil samples analyzed, at levels below their respective EPA RSLs and DTSC screening levels, except for arsenic. Arsenic was reported in 37 samples analyzed, ranging from 2.2 mg/kg to 6.4 mg/kg. Detected values of arsenic were below the DTSC Acceptable Cleanup value for arsenic some exceeded the Orange County Landfill acceptable concentration for arsenic of 4.4 mg/kg.

- Detectable concentrations of VOCs were not reported in samples analyzed.

- Detectable concentrations of TPHs (DRO, MRO, and GRO) were reported at levels below their respective commercial EPA RSLs. The residential EPA RSL and RWQCB reuse value for DRO was exceeded in two soil samples at borings B1-5' and B20-2', at 5 and 2 feet, respectively.

- Elevated concentrations of TPH, VOCs, or Title 22 Metals were not detected in soil samples analyzed near the adjoining open LUST case at boring B21. One detection of GRO at 0.24 mg/kg was reported at 5 feet bgs, which does not exceed screening levels.

RECOMMENDATIONS

Based on the analytical results, the following recommendations are provided:

- Soil in the area of borings with reported arsenic concentrations above 4.4 mg/kg (B12, B15, B19, B20, B21, B24, B32, and B39) should be stockpiled separately during future soil removal activities, if the soil is planned to be disposed of at an Orange County landfill, or if those concentrations exceed acceptance criteria of another receiving facility. The stockpile generated from soil removal in these areas should be sampled for waste characterization and appropriate disposal.

- Soil in the area of boring B1, which reported an elevated concentration of DRO at 5 feet bgs, and borehole B20 at 2 feet bgs, should be stockpiled separately upon removal. The stockpile generated from soil removal in this area should be sampled for waste characterization and appropriate disposal.

- Other soil to be removed by future construction activities can be disposed of off-site at an appropriate disposal facility as non-hazardous waste. Written prior acceptance at the disposal facility should be obtained. Depending on the facility's acceptance criteria, additional sampling may be recommended.

- Soils with signs of impact (odor, staining, etc.) if encountered during excavation should be separately stockpiled and sampled to evaluate if it exceeds screening criteria used in this report.

LIMITATIONS AND EXCEPTIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard of care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information or has questions regarding the content, interpretations presented, or completeness of this document.

The findings, opinions, and conclusions are based on an analysis of the observed site conditions and the referenced literature. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control. Ninyo & Moore cannot warrant or guarantee that not finding indicators of any particular hazardous material means that this particular hazardous material or any other hazardous materials do not exist on the site. Additional research, including invasive testing, can reduce the uncertainty, but no techniques now commonly employed can eliminate the uncertainty altogether.

Ninyo & Moore appreciates the opportunity to provide our services on this project. If you have any questions, please contact the undersigned at your convenience.

Respectfully submitted,
NINYO & MOORE

Denisse A. Hernandez
Senior Staff Geologist

Patrick Cullip
Project Engineer

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DAH/PJC/JJR/mlc

Attachments: Table 1 – Soil Sample Analytical Results – Title 22 Metals
Table 2 – Soil Sample Analytical Results – TPHs and VOCs
Figure 1 – Site Location
Figure 2 – Site Plan
Attachment A – Boring Logs
Attachment B – Non-Hazardous Waste Manifest
Attachment C – Laboratory Reports

Distribution: (1) Addressee (via e-mail)

Table 1 – Soil Sample Analytical Results – Title 22 Metals

Sample ID	Sample Depth (feet bgs)	Date Sample Collected	EPA Method 6010B/7471A (mg/kg)																
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B1-2'	2	9/5/2018	<2.0	<2.0	120	0.67	<0.50	27	14	25	8.5	<0.10	2.6	18	<4.8	<0.50	<2.0	54	61
B1-5'	5	9/5/2018	<2.0	<2.0	110	<0.50	<0.50	19	11	19	23	<0.10	<1.0	15	<4.8	<0.50	<2.0	43	51
B2-2'	2	9/5/2018	<2.0	<2.0	110	0.6	0.56	23	13	21	6.2	<0.10	<1.0	16	<4.8	<0.50	<2.0	50	60
B2-5'	5	9/5/2018	<2.0	<2.0	110	<0.50	<0.50	18	10	20	3.6	<0.10	<1.0	14	<4.8	<0.50	<2.0	38	42
B3-2'	2	9/5/2018	<2.0	<2.0	110	0.58	0.62	22	12	19	7.8	<0.10	<1.0	16	<4.8	<0.50	<2.0	50	59
B3-5'	5	9/5/2018	<2.0	2.3	150	0.56	<0.50	24	13	28	6.2	<0.10	<1.0	18	<4.8	<0.50	<2.0	51	55
B4-2'	2	9/5/2018	<2.0	<2.0	110	0.53	<0.50	21	12	21	11	<0.10	<1.0	15	<4.8	<0.50	<2.0	45	55
B4-5'	5	9/5/2018	<2.0	<2.0	97	0.55	0.52	20	11	17	7	<0.10	<1.0	14	<4.8	<0.50	<2.0	46	56
B5-2'	2	9/6/2018	<2.0	<2.0	110	0.52	<0.50	20	11	20	9.1	<0.10	1.5	15	<4.8	<0.50	<2.0	44	54
B5-5'	5	9/6/2018	<2.0	<2.0	120	0.63	0.78	24	12	21	9.9	<0.10	<1.0	18	<4.8	<0.50	<2.0	51	69
B6-2'	2	9/6/2018	<2.0	<2.0	76	<0.50	<0.50	15	9	14	3.9	<0.10	<1.0	12	<4.8	<0.50	<2.0	35	38
B6-5'	5	9/6/2018	<2.0	<2.0	100	0.52	<0.50	20	12	19	5	<0.10	<1.0	15	<4.8	<0.50	<2.0	45	54
B7-2'	2	9/6/2018	<2.0	<2.0	200	<0.50	<0.50	17	7.1	9.1	3.5	<0.10	<1.0	10	<4.8	<0.50	<2.0	32	34
B7-5'	5	9/6/2018	<2.0	<2.0	94	<0.50	<0.50	18	10	18	3.9	<0.10	<1.0	14	<4.8	<0.50	<2.0	38	42
B8-2'	2	9/5/2018	<2.0	<2.0	96	0.56	<0.50	20	11	19	5.1	<0.10	<1.0	14	<4.8	<0.50	<2.0	45	51
B8-5'	5	9/5/2018	<2.0	<2.0	98	0.55	<0.50	20	12	18	5.4	<0.10	<1.0	14	<4.8	<0.50	<2.0	46	54
B9-2'	2	9/5/2018	<2.0	3.2	150	0.56	<0.50	25	14	29	7.5	<0.10	<1.0	19	<4.8	<0.50	<2.0	51	57
B9-5'	5	9/5/2018	<2.0	<2.0	110	0.73	<0.50	25	14	23	7.1	<0.10	<1.0	17	<4.8	<0.50	<2.0	53	63
DUP-1	5	9/5/2018	<2.0	<2.0	120	0.83	0.51	27	14	26	7.5	<0.10	<1.0	18	<4.8	<0.50	<2.0	57	66
B10-2'	2	9/5/2018	<2.0	2.2	130	0.57	<0.50	24	13	26	11	<0.10	1.4	18	<4.8	<0.50	<2.0	50	59
DUP-2	2	9/5/2018	<2.0	2.4	150	0.64	0.55	26	14	29	12	<0.10	1.6	20	<4.8	<0.50	<2.0	54	66
B10-5'	5	9/5/2018	<2.0	2.7	120	<0.50	<0.50	22	13	27	5.1	<0.10	1.1	17	<4.8	<0.50	<2.0	47	51
B11-2'	2	9/5/2018	<2.0	2.4	140	0.55	<0.50	22	13	27	8.4	0.21	<1.0	17	<4.8	<0.50	<2.0	47	55
B11-5'	5	9/5/2018	<2.0	<2.0	110	0.54	<0.50	22	13	23	5.4	<0.10	<1.0	16	<4.8	<0.50	<2.0	51	54
DUP-3	5	9/5/2018	<2.0	<2.0	130	<0.50	<0.50	22	13	24	5	<0.10	<1.0	17	<4.8	<0.50	<2.0	50	52
B12-2'	2	9/6/2018	<2.0	4.6	130	0.72	0.65	27	15	31	8.5	<0.10	1.5	21	<4.8	<0.50	<2.0	57	64
B12-5'	5	9/6/2018	<2.0	<2.0	110	0.54	<0.50	21	12	20	5.2	<0.10	<1.0	15	<4.8	<0.50	<2.0	47	56
B13-2'	2	9/6/2018	<2.0	<2.0	120	0.63	0.8	24	12	23	14	<0.10	<1.0	19	<4.8	<0.50	<2.0	51	70
B13-5'	5	9/6/2018	<2.0	4.3	190	0.64	0.6	29	16	37	7.5	<0.10	1.9	23	<4.8	<0.50	<2.0	56	63
B14-2'	2	9/6/2018	<2.0	3.7	140	0.5	<0.50	23	12	29	10	0.1	<1.0	18	<4.8	<0.50	<2.0	45	72
B14-5'	5	9/6/2018	<2.0	2.4	150	0.61	0.51	26	14	30	6.8	<0.10	<1.0	20	<4.8	<0.50	<2.0	50	60
B15-2'	2	9/6/2018	<2.0	4.9	120	0.68	0.51	25	14	26	7.5	0.6	1.5	20	<4.8	<0.50	<2.0	51	60
B15-5'	5	9/6/2018	<2.0	<2.0	120	0.55	0.51	22	12	24	6.2	<0.10	<1.0	17	<4.8	<0.50	<2.0	48	57
B16-2'	2	9/6/2018	<2.0	4	99	<0.50	<0.50	17	9.3	18	3.6	<0.10	<1.0	13	<4.8	<0.50	<2.0	32	37
B16-5'	5	9/6/2018	<2.0	<2.0	150	0.64	0.76	25	13	39	13	<0.10	<1.0	19	<4.8	<0.50	<2.0	49	100
B17-2'	2	9/6/2018	<2.0	<2.0	69	<0.50	<0.50	12	7.7	13	3.2	<0.10	<1.0	9.9	<4.8	<0.50	<2.0	27	32
B17-5'	5	9/6/2018	<2.0	2.9	150	0.53	0.52	26	15	32	6	0.11	1.5	21	<4.8	<0.50	<2.0	54	60
B18-2'	2	9/6/2018	<2.0	<2.0	110	<0.50	<0.50	19	11	21	5.1	<0.10	<1.0	15	<4.8	<0.50	<2.0	40	47
B18-5'	5	9/6/2018	<2.0	2.6	140	0.53	0.55	24	13	28	5.9	<0.10	<1.0	19	<4.8	<0.50	<2.0	49	57
B19-2'	2	9/5/2018	<2.0	<2.0	76	<0.50	<0.50	13	8.3	15	4.4	<0.10	<1.0	11	<4.8	<0.50	<2.0	30	34
DUP-4	2	9/5/2018	<2.0	5.5	73	<0.50	0.59	15	7.3	15	8.8	<0.10	<1.0	12	<4.8	<0.50	<2.0	32	41
B19-5'	5	9/5/2018	<2.0	3.5	150	0.61	0.58	28	16	32	7.1	<0.10	1.9	22	<4.8	<0.50	<2.0	59	63

Table 1 – Soil Sample Analytical Results – Title 22 Metals

Sample ID	Sample Depth (feet bgs)	Date Sample Collected	EPA Method 6010B/7471A (mg/kg)																
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B20-2'	2	9/5/2018	<2.0	4.2	130	0.51	0.73	20	12	26	70	<0.10	<1.0	18	<4.8	<0.50	<2.0	50	140
B20-5'	5	9/5/2018	<2.0	4.5	180	0.62	0.68	29	16	37	7.2	<0.10	1.4	23	<4.8	<0.50	<2.0	58	63
B21-2'	2	9/6/2018	<2.0	6.4	140	0.75	1	29	14	31	17	<0.10	<1.0	23	<4.8	<0.50	<2.0	61	80
B21-5'	5	9/6/2018	<2.0	5	160	0.75	0.68	28	14	34	39	<0.10	<1.0	21	<4.8	<0.50	<2.0	57	81
B21-10'	10	9/6/2018	<2.0	3.8	240	0.86	0.65	33	20	41	11	<0.10	3.2	27	<4.8	<0.50	<2.0	63	73
B22-2'	2	9/6/2018	<2.0	<2.0	68	<0.50	<0.50	17	8.9	13	6.4	<0.10	<1.0	11	<4.8	<0.50	<2.0	36	45
B22-5'	5	9/6/2018	<2.0	3.2	130	0.57	0.54	24	14	28	5.4	<0.10	<1.0	19	<4.8	<0.50	<2.0	56	58
B23-2	2	10/12/2018	<2.0	<2.0	100	0.65	<0.50	22	13	18	6.1	<0.10	1.7	16	<4.8	<0.50	<2.0	49	64
DUP-5	2	10/12/2018	<2.0	<2.0	110	0.64	<0.50	23	13	21	7.3	<0.10	1.9	17	<4.8	<0.50	<2.0	50	62
B23-5	5	10/12/2018	<2.0	<2.0	78	<0.50	<0.50	19	9.7	16	6.0	<0.10	<1.0	14	<4.8	<0.50	<2.0	38	45
B24-2	2	10/12/2018	<2.0	<2.0	110	<0.50	<0.50	20	12	22	4.8	<0.10	<1.0	16	<4.8	<0.50	<2.0	45	49
B24-5	5	10/12/2018	<2.0	5.8	260	0.89	0.65	30	17	47	9.8	<0.10	1.0	23	<4.8	<0.50	<2.0	64	74
B25-2	2	10/12/2018	<2.0	<2.0	120	0.57	0.52	21	12	23	11	<0.10	<1.0	18	<4.8	<0.50	<2.0	46	61
B25-5	5	10/12/2018	<2.0	<2.0	100	0.52	<0.50	20	11	20	12	<0.10	<1.0	16	<4.8	<0.50	<2.0	43	57
B26-2	2	10/12/2018	<2.0	<2.0	110	<0.50	0.51	17	9.6	18	14	<0.10	<1.0	14	<4.8	<0.50	<2.0	37	59
B26-5	5	10/12/2018	<2.0	3.5	140	<0.50	<0.50	23	14	29	5.9	<0.10	4.6	20	<4.8	<0.50	<2.0	49	55
B27-2	2	10/12/2018	<2.0	<2.0	100	<0.50	<0.50	19	11	20	11	<0.10	<1.0	15	<4.8	<0.50	<2.0	42	59
B27-5	5	10/12/2018	<2.0	<2.0	86	<0.50	<0.50	16	9.8	18	4.1	<0.10	<1.0	13	<4.8	<0.50	<2.0	37	45
B28-2	2	10/12/2018	<2.0	2.5	120	<0.50	<0.50	19	11	24	14	<0.10	<1.0	16	<4.8	<0.50	<2.0	41	51
B28-5	5	10/12/2018	<2.0	3.3	160	0.50	0.52	24	14	30	6.3	<0.10	<1.0	20	<4.8	<0.50	<2.0	51	59
DUP-6	5	10/12/2018	<2.0	3.4	160	0.53	0.50	24	14	30	6.7	<0.10	<1.0	20	<4.8	<0.50	<2.0	52	60
B29-2	2	10/12/2018	<2.0	3.9	150	0.51	<0.50	24	13	29	6.3	<0.10	<1.0	20	<4.8	<0.50	<2.0	49	56
B30-2	2	10/12/2018	<2.0	<2.0	140	0.60	<0.50	24	13	27	7.7	<0.10	1.1	19	<4.8	<0.50	<2.0	49	60
B30-5	5	10/12/2018	<2.0	<2.0	140	0.63	<0.50	25	14	28	8.3	<0.10	<1.0	20	<4.8	<0.50	<2.0	51	64
B31-2	2	10/12/2018	<2.0	4.1	140	0.51	<0.50	24	13	29	6.8	0.12	<1.0	20	<4.8	<0.50	<2.0	47	57
B31-5	5	10/12/2018	<2.0	<2.0	140	0.55	<0.50	24	13	27	7.8	<0.10	<1.0	19	<4.8	<0.50	<2.0	49	63
B32-2	2	10/12/2018	<2.0	<2.0	180	0.61	<0.50	29	15	38	8.6	<0.10	<1.0	23	<4.8	<0.50	<2.0	49	62
DUP-7	2	10/12/2018	<2.0	5.1	180	0.67	0.53	30	17	40	9.4	<0.10	1.7	25	<4.8	<0.50	<2.0	58	69
B32-5	5	10/12/2018	<2.0	<2.0	140	0.52	0.51	23	13	26	6.4	<0.10	<1.0	19	<4.8	<0.50	<2.0	48	58
B33-2	2	10/12/2018	<2.0	<2.0	120	<0.50	<0.50	21	12	24	6.9	<0.10	<1.0	17	<4.8	<0.50	<2.0	43	52
B33-5	5	10/12/2018	<2.0	<2.0	130	0.53	<0.50	22	13	26	7.0	<0.10	<1.0	18	<4.8	<0.50	<2.0	47	56
B34-2	2	10/12/2018	<2.0	<2.0	87	<0.50	<0.50	17	8.0	15	4.5	<0.10	<1.0	14	<4.8	<0.50	<2.0	32	43
B34-5	5	10/12/2018	<2.0	2.3	130	0.57	0.56	23	13	25	7.4	<0.10	<1.0	18	<4.8	<0.50	<2.0	50	62
DUP-8	5	10/12/2018	<2.0	<2.0	120	0.56	0.55	22	12	24	10	<0.10	<1.0	18	<4.8	<0.50	<2.0	47	66
B35-2	2	10/12/2018	<2.0	2.7	150	0.63	0.57	25	14	29	11	<0.10	<1.0	20	<4.8	<0.50	<2.0	53	66
B35-5	5	10/12/2018	<2.0	2.8	140	0.65	0.63	25	14	29	9.7	<0.10	<1.0	20	<4.8	<0.50	<2.0	53	66
B36-2	2	10/12/2018	<2.0	2.6	140	0.57	0.52	24	13	26	12	<0.10	<1.0	19	<4.8	<0.50	<2.0	49	63
B36-5	5	10/12/2018	<2.0	2.2	140	0.66	0.56	26	14	29	10	<0.10	<1.0	20	<4.8	<0.50	<2.0	54	65
B37-2	2	10/12/2018	<2.0	<2.0	120	0.59	0.64	23	12	22	16	<0.10	<1.0	18	<4.8	<0.50	<2.0	50	66
B37-5	5	10/12/2018	<2.0	4.1	190	0.67	0.59	29	16	37	8.9	<0.10	1.2	24	<4.8	<0.50	<2.0	58	66
B38-2	2	10/12/2018	<2.0	<2.0	110	0.59	0.63	22	12	21	16	<0.10	<1.0	17	<4.8	<0.50	<2.0	49	67
B38-5	5	10/12/2018	<2.0	3.5	170	0.91	0.57	30	16	32	11	<0.10	<1.0	24	<4.8	<0.50	<2.0	60	71

Table 1 – Soil Sample Analytical Results – Title 22 Metals

Sample ID	Sample Depth (feet bgs)	Date Sample Collected	EPA Method 6010B/7471A (mg/kg)																
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B39-2	2	10/12/2018	<2.0	2.7	150	0.71	1.0	27	14	27	23	<0.10	1.4	22	<4.8	<0.50	<2.0	61	79
B39-5	5	10/12/2018	<2.0	4.6	170	0.63	0.61	28	16	35	8.3	<0.10	1.1	24	<4.8	<0.50	<2.0	57	63
Quality Control Samples (mg/l)																			
EB-090518	NA	9/5/2018	<0.10	<0.040	<0.020	<0.010	<0.010	<0.010	<0.050	<0.10	<0.040	<0.0010	<0.050	<0.020	<0.10	<0.010	<0.10	<0.010	<0.10
EB-090618	NA	9/6/2018	<0.10	<0.040	<0.020	<0.010	<0.010	<0.010	<0.050	<0.10	<0.040	<0.0010	<0.050	<0.020	<0.10	<0.010	<0.10	<0.010	<0.10
EB-101218	NA	10/12/2018	<0.10	<0.040	<0.020	<0.010	<0.010	<0.010	<0.050	<0.10	<0.040	<0.0010	<0.050	<0.020	<0.10	<0.010	<0.10	<0.010	<0.10
Regulatory Screening Levels (mg/kg)																			
EPA RSLs (Industrial Soil)			470	3.0	220,000	2,300	980	1,800,000*	350	47,000	800	46	5,800	22,000	5,800	5,800	12	5,800	350,000
EPA RSLs (Residential Soil)			31	0.68	15,000	160	71	120,000	23	3,100	400	11	390	1,500	390	390	0.78	390	23,000
DTSC Acceptable Clean Up Levels			NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DTSC HERO HHRA (Industrial Soil)			NL	0.36	NL	6,900	9,300	170,000*	NL	NL	320*	4.5*	NL	64,000	NL	1,500*	NL	170*	NL
DTSC HERO HHRA (Residential Soil)			NL	0.11	NL	1,600	2,100	36,000*	NL	NL	80*	1.0*	NL	490	NL	390*	NL	390*	NL
Hazardous Waste Criteria																			
TCLP (mg/l)			NL	5.0	100	NL	1.0	5.0	NL	NL	5.0	0.2	NL	NL	1.0	5.0	NL	NL	NL
STLC (mg/l)			15	5.0	100	0.75	1.0	5.0	80	25	5.0	0.2	350	20	1.0	5.0	7.0	24	250
TTLC (mg/kg)			500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000

Notes:

' feet

* non-cancer endpoint

< not detected above the laboratory reporting limit

bgs - below ground surface

DTSC - Department of Toxic Substances Control

DTSC Acceptable Clean Up Levels - Department of Toxic Substances Control's Determination of a Southern California Regional Background Arsenic concentrations in soil (March, 2008)

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels for Soil, January 2018

DUP - duplicate sample listed below its respective primary sample

EB - equipment blank

EPA - United States Environmental Protection Agency

ID - Identification

mg/kg - milligrams per kilogram

mg/l - milligrams per liter

NA - not applicable

NL - not listed

RSLs - United States Environmental Protection Agency Regional Screening Levels, May 2018

STLC - soluble threshold limit concentration

TCLP - toxicity characteristic leaching procedure

TTLC - total threshold limit concentration

Table 2 – Soil Sample Analytical Results – TPHs and VOCs

Sample ID	Sample Depth (feet bgs)	Date Sample Collected	TPHs EPA Method 8015B (mg/kg)			VOCs by EPA Method 8260B (mg/kg)
			DROs	MROs	GROs	
B1-2'	2	9/5/2018	<10	<30	<0.20	ND
B1-5'	5	9/5/2018	380	<30	<0.20	ND
B2-2'	2	9/5/2018	<10	<30	<0.20	ND
B2-5'	5	9/5/2018	<10	<30	<0.20	ND
B3-2'	2	9/5/2018	<10	<30	<0.20	ND
B3-5'	5	9/5/2018	<10	<30	<0.20	ND
B4-2'	2	9/5/2018	<10	<30	<0.20	ND
B4-5'	5	9/5/2018	<10	<30	<0.20	ND
B5-2'	2	9/6/2018	<10	<30	<0.20	ND
B5-5'	5	9/6/2018	<10	<30	<0.20	ND
B6-2'	2	9/6/2018	<10	<30	<0.20	ND
B6-5'	5	9/6/2018	<10	<30	<0.20	ND
B7-2'	2	9/6/2018	<10	<30	<0.20	ND
B7-5'	5	9/6/2018	<10	<30	<0.20	ND
B8-2'	2	9/5/2018	<10	<30	<0.20	ND
B8-5'	5	9/5/2018	<10	<30	<0.20	ND
B9-2'	2	9/5/2018	<10	<30	<0.20	ND
B9-5'	5	9/5/2018	<10	<30	<0.20	ND
DUP-1	5	9/5/2018	<10	<30	<0.20	ND
B10-2'	2	9/5/2018	<10	<30	<0.20	ND
DUP-2	2	9/5/2018	<10	<30	<0.20	ND
B10-5'	5	9/5/2018	<10	<30	<0.20	ND
B11-2'	2	9/5/2018	<10	<30	<0.20	ND
B11-5'	5	9/5/2018	<10	<30	<0.20	ND
DUP-3	5	9/5/2018	<10	<30	<0.20	ND
B12-2'	2	9/6/2018	<10	<30	<0.20	ND
B12-5'	5	9/6/2018	<10	<30	<0.20	ND
B13-2'	2	9/6/2018	<10	<30	<0.20	ND
B13-5'	5	9/6/2018	<10	<30	<0.20	ND
B14-2'	2	9/6/2018	<10	<30	<0.20	ND
B14-5'	5	9/6/2018	<10	<30	<0.20	ND
B15-2'	2	9/6/2018	<10	<30	<0.20	ND
B15-5'	5	9/6/2018	<10	<30	<0.20	ND
B16-2'	2	9/6/2018	<10	<30	<0.20	ND
B16-5'	5	9/6/2018	<10	<30	<0.20	ND
B17-2'	2	9/6/2018	<10	<30	<0.20	ND
B17-5'	5	9/6/2018	<10	<30	<0.20	ND
B18-2'	2	9/6/2018	<10	<30	<0.20	ND
B18-5'	5	9/6/2018	<10	<30	<0.20	ND
B19-2'	2	9/5/2018	<10	<30	<0.20	ND
DUP-4	2	9/5/2018	<10	<30	<0.20	ND
B19-5'	5	9/5/2018	<10	<30	<0.20	ND

Table 2 – Soil Sample Analytical Results – TPHs and VOCs

Sample ID	Sample Depth (feet bgs)	Date Sample Collected	TPHs EPA Method 8015B (mg/kg)			VOCs by EPA Method 8260B (mg/kg)
			DROs	MROs	GROs	
B20-2'	2	9/5/2018	110	340	<0.20	ND
B20-5'	5	9/5/2018	<10	<30	<0.20	ND
B21-2'	2	9/6/2018	<10	<30	<0.20	ND
B21-5'	5	9/6/2018	<10	<30	0.24	ND
B21-10'	10	9/6/2018	<10	<30	<0.20	ND
B22-2'	2	9/6/2018	<10	<30	<0.20	ND
B22-5'	5	9/6/2018	<10	<30	<0.20	ND
B23-2	2	10/12/2018	<10	31	<0.20	ND
DUP-5	2	10/12/2018	<10	30	<0.20	ND
B23-5	5	10/12/2018	45	160	<0.20	ND
B24-2	2	10/12/2018	<10	31	<0.20	ND
B24-5	5	10/12/2018	<10	<30	<0.20	ND
B25-2	2	10/12/2018	<10	35	<0.20	ND
B25-5	5	10/12/2018	<10	<30	<0.20	ND
B26-2	2	10/12/2018	<10	30	<0.20	ND
B26-5	5	10/12/2018	<10	<30	<0.20	ND
B27-2	2	10/12/2018	<10	<30	<0.20	ND
B27-5	5	10/12/2018	<10	<30	<0.20	ND
B28-2	2	10/12/2018	31	90	<0.20	ND
B28-5	5	10/12/2018	<10	<30	<0.20	ND
DUP-6	5	10/12/2018	<10	<30	<0.20	ND
B29-2	2	10/12/2018	<10	<30	<0.20	ND
B30-2	2	10/12/2018	<10	32	<0.20	ND
B30-5	5	10/12/2018	<10	<30	<0.20	ND
B31-2	2	10/12/2018	19	51	<0.20	ND
B31-5	5	10/12/2018	15	49	<0.20	ND
B32-2	2	10/12/2018	<10	<30	<0.20	ND
DUP-7	2	10/12/2018	<10	<30	<0.20	ND
B32-5	5	10/12/2018	<10	30	<0.20	ND
B33-2	2	10/12/2018	<10	<30	<0.20	ND
B33-5	5	10/12/2018	<10	<30	<0.20	ND
B34-2	2	10/12/2018	<10	<30	<0.20	ND
B34-5	5	10/12/2018	<10	<30	<0.20	ND
DUP-8	5	10/12/2018	<10	31	<0.20	ND
B35-2	2	10/12/2018	<10	46	<0.20	ND
B35-5	5	10/12/2018	<10	37	<0.20	ND
B36-2	2	10/12/2018	<10	33	<0.20	ND
B36-5	5	10/12/2018	<10	33	<0.20	ND
B37-2	2	10/12/2018	<10	45	<0.20	ND
B37-5	5	10/12/2018	<10	<30	<0.20	ND

Table 2 – Soil Sample Analytical Results – TPHs and VOCs

Sample ID	Sample Depth (feet bgs)	Date Sample Collected	TPHs EPA Method 8015B (mg/kg)			VOCs by EPA Method 8260B (mg/kg)
			DROs	MROs	GROs	
B38-2	2	10/12/2018	<10	<30	<0.20	ND
B38-5	5	10/12/2018	<10	<30	<0.20	ND
B39-2	2	10/12/2018	<10	<30	<0.20	ND
B39-5	5	10/12/2018	<10	<30	<0.20	ND
Quality Control Samples (mg/l)						
EB-090518	NA	9/5/2018	<0.10	<0.30	<50	ND
EB-090618	NA	9/6/2018	<0.10	<0.30	<50	ND
EB-101218	NA	10/12/2018	<0.10	<0.30	<50	ND
Regulatory Screening Levels (mg/kg)						
RWQCB Reuse Guidelines			100	1,000	50	NA
EPA RSLs (Industrial Soil)			600 (1)	33,000 (1)	420 (1)	Various
EPA RSLs (Residential Soil)			110 (1)	2,500 (1)	82 (1)	Various
DTSC HERO HHRA (Industrial Soil)			NL	NL	NL	Various
DTSC HERO HHRA (Residential Soil)			NL	NL	NL	Various

Notes:

(1) EPA RSL aromatic values

' feet

< not detected above the laboratory reporting limit

µg/l - micrograms per liter

bgs - below ground surface

DTSC - Department of Toxic Substances Control

DROs - diesel range organics

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels for Soil, June 2018

DUP - duplicate sample listed below its respective primary sample

EB - equipment blank

EPA - United States Environmental Protection Agency

GROs - gasoline range organics

ID - Identification

mg/kg - milligrams per kilogram

mg/l - milligrams per liter

MROs - motor oil range organics

NA - not applicable

ND - not detected above the laboratory reporting limit

NL - not listed

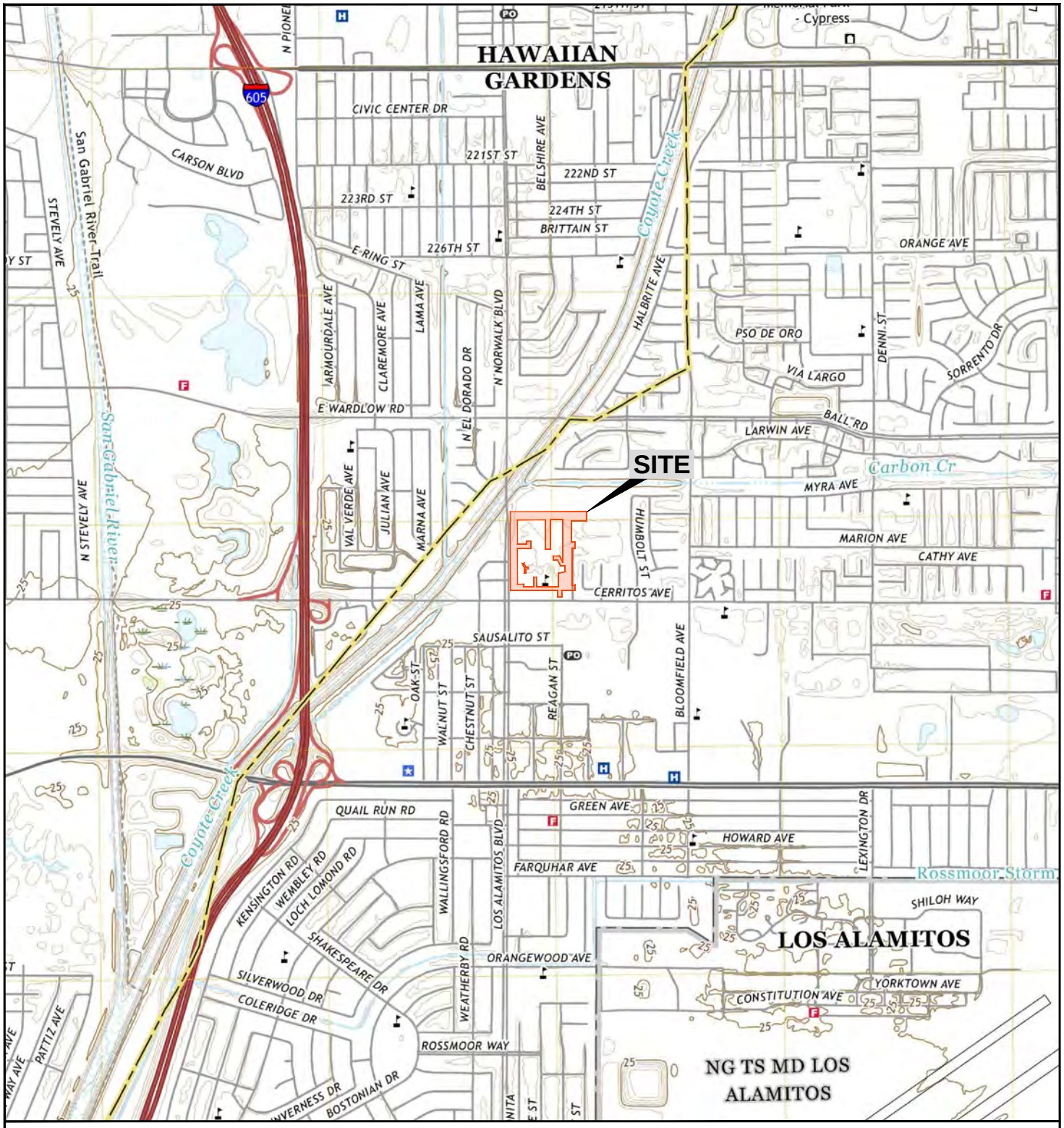
RSLs - United States Environmental Protection Agency Regional Screening Levels, May 2018

RWQCB Reuse Guidelines - Regional Water Quality Control Board Santa Ana Region Informal Guidelines for Petroleum Hydrocarbon and other Contaminated Soil Remediation and Reuse Projects, revised May 2003.

TPHs - Total petroleum hydrocarbons

VOCs - volatile organic compounds

FIGURES



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: USGS, 2015.

N

FEET

0 2,000 4,000

210808001_SL.dwg 10/25/2018 JP

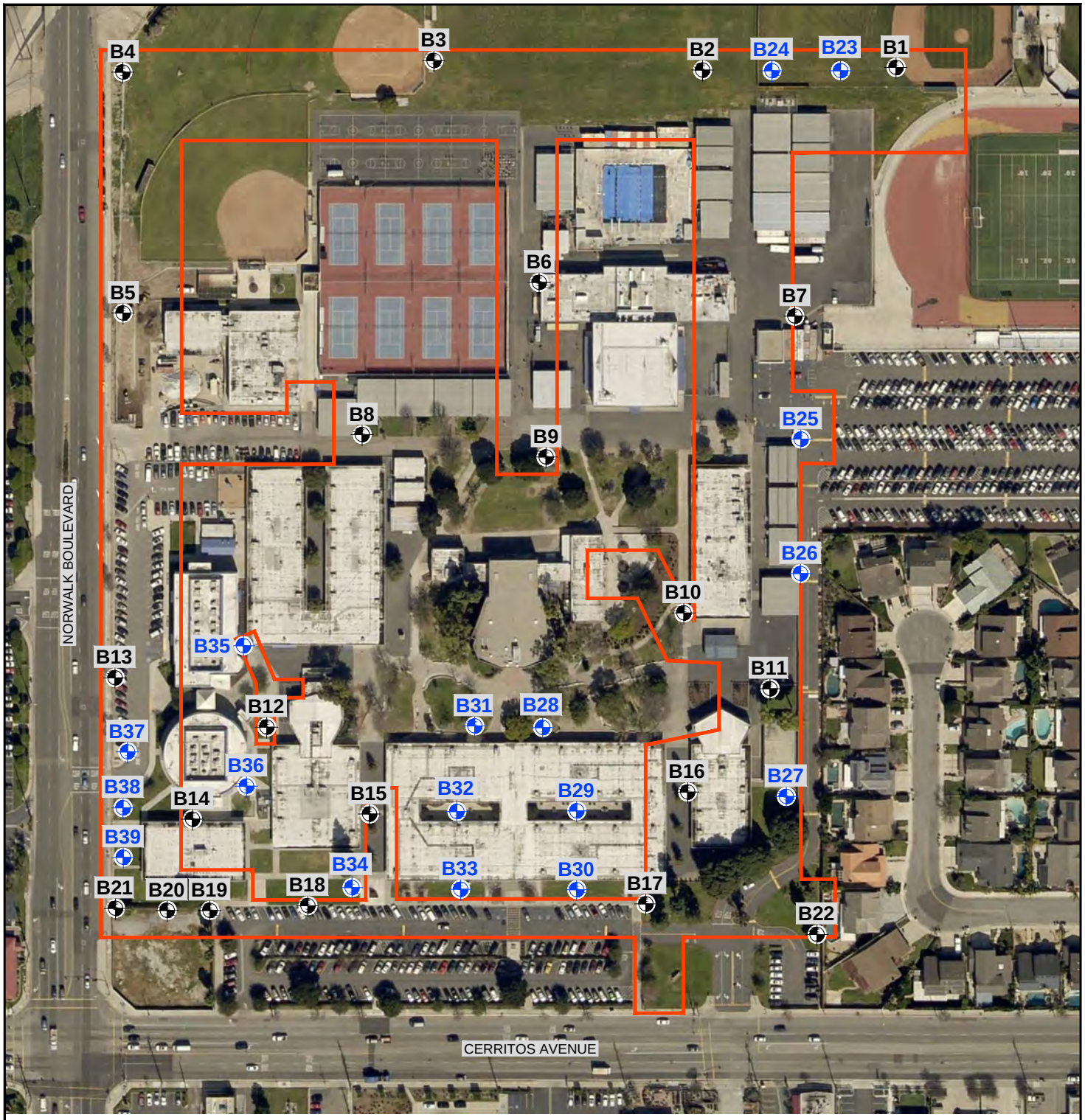
FIGURE 1

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SITE LOCATION

LOS ALAMITOS HIGH SCHOOL
3591 WEST CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

210808001 I 10/18



LEGEND

PROPOSED AREAS OF EXCAVATION

B22 BORING/SOIL SAMPLE LOCATION (SEPTEMBER, 2018)

B39 BORING/SAMPLE LOCATION (OCTOBER, 2018)

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: PICTOMETRY, 2017.

N

FEET 0 180 360

210808001_SP.dwg 10/25/2018 JP

FIGURE 2

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SITE PLAN

LOS ALAMITOS HIGH SCHOOL
3591 WEST CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

210808001 I 10/18

ATTACHMENT A

Boring Logs

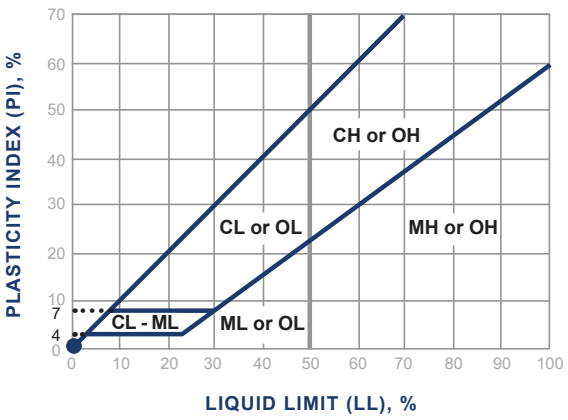
Soil Classification Chart Per ASTM D 2488

Primary Divisions			Secondary Divisions	
			Group Symbol	Group Name
COARSE-GRAINED SOILS more than 50% retained on No. 200 sieve	**GRAVEL** more than 50% of coarse fraction retained on No. 4 sieve	CLEAN GRAVEL less than 5% fines	GW	well-graded GRAVEL
			GP	poorly graded GRAVEL
		GRAVEL with DUAL CLASSIFICATIONS 5% to 12% fines	GW-GM	well-graded GRAVEL with silt
			GP-GM	poorly graded GRAVEL with silt
			GW-GC	well-graded GRAVEL with clay
			GP-GC	poorly graded GRAVEL with
		GRAVEL with FINES more than 12% fines	GM	silty GRAVEL
			GC	clayey GRAVEL
			GC-GM	silty, clayey GRAVEL
	SAND 50% or more of coarse fraction passes No. 4 sieve	CLEAN SAND less than 5% fines	SW	well-graded SAND
			SP	poorly graded SAND
		SAND with DUAL CLASSIFICATIONS 5% to 12% fines	SW-SM	well-graded SAND with silt
			SP-SM	poorly graded SAND with silt
			SW-SC	well-graded SAND with clay
			SP-SC	poorly graded SAND with clay
		SAND with FINES more than 12% fines	SM	silty SAND
			SC	clayey SAND
			SC-SM	silty, clayey SAND
FINE-GRAINED SOILS 50% or more passes No. 200 sieve	**SILT and CLAY** liquid limit less than 50%	INORGANIC	CL	lean CLAY
			ML	SILT
			CL-ML	silty CLAY
		ORGANIC	OL (PI > 4)	organic CLAY
			OL (PI < 4)	organic SILT
	SILT and CLAY liquid limit 50% or more	INORGANIC	CH	fat CLAY
			MH	elastic SILT
		ORGANIC	OH (plots on or above "A"-line)	organic CLAY
			OH (plots below "A"-line)	organic SILT
	Highly Organic Soils		PT	Peat

Grain Size

Description		Sieve Size	Grain Size	Approximate Size
Boulders		> 12"	> 12"	Larger than basketball-sized
Cobbles		3 - 12"	3 - 12"	Fist-sized to basketball-sized
Gravel	Coarse	3/4 - 3"	3/4 - 3"	Thumb-sized to fist-sized
	Fine	#4 - 3/4"	0.19 - 0.75"	Pea-sized to thumb-sized
Sand	Coarse	#10 - #4	0.079 - 0.19"	Rock-salt-sized to pea-sized
	Medium	#40 - #10	0.017 - 0.079"	Sugar-sized to rock-salt-sized
	Fine	#200 - #40	0.0029 - 0.017"	Flour-sized to sugar-sized
Fines		Passing #200	< 0.0029"	Flour-sized and smaller

Plasticity Chart



Apparent Density - Coarse-Grained Soil

Apparent Density	Spooling Cable or Cathead		Automatic Trip Hammer	
	SPT (blows/foot)	Modified Split Barrel (blows/foot)	SPT (blows/foot)	Modified Split Barrel (blows/foot)
Very Loose	≤ 4	≤ 8	≤ 3	≤ 5
Loose	5 - 10	9 - 21	4 - 7	6 - 14
Medium Dense	11 - 30	22 - 63	8 - 20	15 - 42
Dense	31 - 50	64 - 105	21 - 33	43 - 70
Very Dense	> 50	> 105	> 33	> 70

Consistency - Fine-Grained Soil

Consis-tency	Spooling Cable or Cathead		Automatic Trip Hammer	
	SPT (blows/foot)	Modified Split Barrel (blows/foot)	SPT (blows/foot)	Modified Split Barrel (blows/foot)
Very Soft	< 2	< 3	< 1	< 2
Soft	2 - 4	3 - 5	1 - 3	2 - 3
Firm	5 - 8	6 - 10	4 - 5	4 - 6
Stiff	9 - 15	11 - 20	6 - 10	7 - 13
Very Stiff	16 - 30	21 - 39	11 - 20	14 - 26
Hard	> 30	> 39	> 20	> 26

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USCS METHOD OF SOIL CLASSIFICATION

BORING LOG EXPLANATION SHEET

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	
0	■							Bulk sample.
		■						Modified split-barrel drive sampler.
		☒						No recovery with modified split-barrel drive sampler.
		▬						Sample retained by others.
		◤						Standard Penetration Test (SPT).
5		◥						No recovery with a SPT.
		▯	XX/XX					Shelby tube sample. Distance pushed in inches/length of sample recovered in inches.
		◥						No recovery with Shelby tube sampler.
		▥						Continuous Push Sample.
				♀				Seepage.
10				▽				Groundwater encountered during drilling.
				▼				Groundwater measured after drilling.
						▦	SM	MAJOR MATERIAL TYPE (SOIL): Solid line denotes unit change.
						▨	CL	Dashed line denotes material change.
15								Attitudes: Strike/Dip b: Bedding c: Contact j: Joint f: Fracture F: Fault cs: Clay Seam s: Shear bss: Basal Slide Surface sf: Shear Fracture sz: Shear Zone sbs: Shear Bedding Surface
20								The total depth line is a solid line that is drawn at the bottom of the boring.

DATE DRILLED 9/5/18 BORING NO. B1

GROUND ELEVATION 25' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Dark brown, moist, loose, poorly graded SAND with minor silt Light brown; dry.
	■		0900	B1-2'	0.0				Brick debris (trace).
									Asphalt fragments (minor); 1/2-inch to smaller diameter. Dark brown. Gravel and asphalt debris. Some clay.
	■		0911	B1-5'	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/5/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

FIGURE A- 1

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LOS ALAMITOS HIGH SCHOOL
3591 WEST CERRITOS AVENUE, LOS ALAMITOS, CALIFORNIA
210808001 | 10/18

DATE DRILLED 9/5/18 BORING NO. B2

GROUND ELEVATION 25' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Brown, slightly moist, loose, poorly graded SAND with trace clay. Light brown.
	■		0935	B2-2'	0.0				
	■		0940	B2-5'	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/5/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 9/5/18 BORING NO. B3

GROUND ELEVATION 28' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Dark brown, slightly moist, loose, poorly graded SAND with some clay. Some roots.
	■		1015	B3-2'	0.4				
	■		1023	B3-5'	0.0				Abundant clay.
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/5/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE A- 3

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LOS ALAMITOS HIGH SCHOOL
3591 WEST CERRITOS AVENUE, LOS ALAMITOS, CALIFORNIA
210808001 | 10/18

DATE DRILLED 9/5/18 BORING NO. B4

GROUND ELEVATION 32' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Light brown, dry, loose, poorly graded SAND with minor silt.
	■		1100	B4-2'	0.0				
									Some gravel.
									Some moisture.
	■		1110	B4-5'	0.0				Minor clay.
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/5/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 9/6/18 BORING NO. B5

GROUND ELEVATION 31' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Medium brown, slightly moist, very loose, poorly graded SAND with gravel.
	■		1418	B5-2'	0.3				
									3" x 1" concrete block fragment.
									Some clay.
	■		1425	B5-5'	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/6/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

FIGURE A- 5

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LOS ALAMITOS HIGH SCHOOL
3591 WEST CERRITOS AVENUE, LOS ALAMITOS, CALIFORNIA
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DATE DRILLED 9/6/18 BORING NO. B6

GROUND ELEVATION 30' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger - Asphalt Cored (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT: Approximately 6 inches thick.
								SW	BASE: Medium brown, dry, loose, well graded SAND with abundant gravel and some brick fragments; approximately 6 inches thick.
								SP	FILL: Dark brown, slightly moist, loose, poorly graded SAND with silt and trace clay.
	■		0858	B6-2'	0.0				Light brown; trace gravel.
5									Dark brown.
	■		0903	B6-5'	0.0				
10									Total Depth = 6 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to 6 inches and capped with black dyed concrete to surface on 9/6/18.
15									Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
20									The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 9/6/18 BORING NO. B7

GROUND ELEVATION 28' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger - Asphalt Cored (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT: Approximately 3 inches thick.
								SP	FILL: Medium brown, slightly moist, loose, poorly graded SAND with gravel. Concrete fragments, up to 1-inch diameter.
	■		1200	B7-2'	0.0				Reddish brown.
									Dark brown; trace clay.
	■		1204	B7-5'	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to 3 inches and capped with black-dyed concrete to surface on 9/6/18.
10									
15									
20									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 9/5/18 BORING NO. B8

GROUND ELEVATION 30' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Brown, slightly moist, loose, poorly graded, silty SAND with some roots.
	■		1255	B8-2'	0.0				Orange, rust color staining.
									Dark brown; moist.
	■		1300	B8-5'	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/5/18.
10									
15									
20									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 9/5/18 BORING NO. B9

GROUND ELEVATION 31' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Brown, slightly moist, loose, poorly graded SAND with minor silt. Dry; light brown.
	■		1215	B9-2'	0.2				
									Abundant concrete fragments.
									Brown.
									Glass bottle fragment.
	■		1225	B9-5' DUP-1	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/5/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 9/5/18 BORING NO. B10

GROUND ELEVATION 29' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Light brown, dry, loose, poorly graded SAND with some silt and trace roots.
	■		1340	B10-2' DUP-2	0.7				Slightly moist; abundant gravel.
	■		1345	B10-5'	0.0				Some gravel.
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/5/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 9/5/18 BORING NO. B11

GROUND ELEVATION 29' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Brown, dry, loose, poorly graded SAND with some gravel; silt and roots.
	■		1410	B11-2'	0.0				Some gravel; 1/2-inch diameter.
	■		1415	B11-5' DUP-3	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/5/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 9/6/18 BORING NO. B12

GROUND ELEVATION 36' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Medium brown, slightly moist, loose, poorly graded SAND with angular gravel fragments; up to 1-inch diameter. Dry.
	■		0940	B12-2'	0.0				
									Light reddish brown; dry; rust covered gravel fragments.
									Dark brown; slightly moist; trace clay.
	■		0950	B12-5'	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/6/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 9/6/18 BORING NO. B13

GROUND ELEVATION 27' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT: Approximately 5 inches thick.
								SW	BASE: Medium brown, very moist, loose, well graded SAND.
								SP	FILL: Medium brown, dry , loose, poorly graded SAND with some silt and gravel.
	■		1502	B13-2'	0.0				Light reddish brown.
									Dark brown; slightly moist; trace clay.
	■		1507	B13-5'	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to 5 inches and capped with black-dyed concrete to surface on 9/6/18.
10									
15									
20									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 9/6/18 BORING NO. B14

GROUND ELEVATION 30' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Medium brown, slightly moist, loose, poorly graded SAND with some silt.
	■		1020	B14-2'	0.0				
									Dark brown; light organic odors; trace clay.
	■		1025	B14-5'	0.0				
5									Total Dept = 50 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/6/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 9/6/18 BORING NO. B15

GROUND ELEVATION 29' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger - Asphalt Cored (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	ASPHALT: Approximately 3 inches thick. FILL: Medium brown, slightly moist, loose, poorly graded SAND with gravel.
	■		1050	B15-2'	0.0				Light reddish brown; rust covered gravel fragments.
									Dark brown; trace clay.
	■		1055	B15-5'	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/6/18.
10									
15									
20									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 9/6/18 BORING NO. B16

GROUND ELEVATION 29' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger - Asphalt Cored (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT: Approximately 4 inches thick.
								SP	FILL: Medium brown, slightly moist, loose, poorly graded SAND. Micaceous nodule; 1½-inch thick; very rounded. Dark brown; with angular gravel fragments.
	■		1120	B16-2'	0.0				
	■		1125	B16-5'	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to 4 inches and capped with black-dyed concrete to surface on 9/6/18.
10									
15									
20									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 9/6/18 BORING NO. B17

GROUND ELEVATION 28' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Medium brown, slightly moist, very loose, poorly graded SAND. Fragment of red warning tape.
	■		1318	B17-2'	1.1				
	■		1323	B17-5'	0.7				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/6/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 9/6/18 BORING NO. B18

GROUND ELEVATION 28' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Medium brown, slightly moist, loose, poorly graded SAND with angular gravel fragments; up to 1-inch diameter. Dry.
	■		1340	B18-2'	0.0				
									Dark brown; slightly moist; trace clay.
	■		1348	B18-5'	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/6/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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DATE DRILLED 9/5/18 BORING NO. B19

GROUND ELEVATION 31' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Light brown, dry, loose, poorly graded SAND with abundant gravel; up to 1-inch diameter.
	■		1540	B19-2' DUP-4	0.0				
								CL-ML	ALLUVIUM: Dark brown, slightly moist, soft, low plasticity silty CLAY.
	■		1552	B19-5'	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/5/18.
10									Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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20									

DATE DRILLED 9/5/18 BORING NO. B20

GROUND ELEVATION 29' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Light brown, dry, loose, poorly graded SAND with some silt and gravel pieces; up to 1-inch diameter.
	■		1520	B20-2'	0.0				Dark brown; asphalt fragments.
								CL-ML	ALLUVIUM: Dark brown, slightly moist, soft, low plasticity silty CLAY.
	■		1530	B20-5'	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/5/18.
10									Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
15									The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
20									

DATE DRILLED 9/6/18 BORING NO. B21

GROUND ELEVATION 27' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SM	ALLUVIUM: Dark brown, moist, loose, silty SAND with clay.
	■		0740	B21-2'	0.0				
								CL-ML	Medium brown, moist, soft, low plasticity silty CLAY. Roots.
	■		0750	B21-5'	0.1				
5									
								CL	Medium brown, moist, soft, medium plasticity CLAY with some roots.
	■		0808	B21-10'	0.3				
10									Total Depth = 10 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/6/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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DATE DRILLED 9/6/18 BORING NO. B22

GROUND ELEVATION 30' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT - DROP -

SAMPLED BY KMH LOGGED BY KMH REVIEWED BY AJL

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Medium brown, dry, loose, poorly graded SAND with gravel and roots.
	■		1255	B22-2'	31.7				
	■		1300	B22-5'	1.1				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. Backfilled with hydrated, granular bentonite (Enviro Plug #8) to surface on 9/6/18.
10									Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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20									

DATE DRILLED 10/12/18 BORING NO. B23

GROUND ELEVATION 25' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Brown, moist, dense, fine SAND with silt; trace roots; wooden debris.
	■		1036	B23-2 DUP-5	0.0				
									Few asphalt pieces; trace wooden debris.
	■		1049	B23-5	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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15									
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DATE DRILLED 10/12/18 BORING NO. B24

GROUND ELEVATION 25' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Brown, moist, medium dense, fine to medium SAND with silt; trace roots.
	■		1100	B24-2	0.0				
	■		1105	B24-5	0.0				Some clay.
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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15									
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DATE DRILLED 10/12/18 BORING NO. B25

GROUND ELEVATION 26' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT: Approximately 4 inches thick.
								SP	FILL: Medium brown, moist, loose, SAND with gravel.
	■		1800	B25-2	0.0				
									Trace clay.
	■		1806	B25-5	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18.
10									
15									
20									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 10/12/18 BORING NO. B26

GROUND ELEVATION 26' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	ASPHALT: Approximately 3 inches thick. FILL: Brown, dry, medium dense, SAND with silt.
	■		1730	B26-2	0.0				
									Some clay.
	■		1736	B26-5	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18.
10									
15									
20									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 10/12/18 BORING NO. B27

GROUND ELEVATION 26' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								ML	FILL: Brown, dry, loose, sandy SILT; some gravel; some roots.
	■		1254	B27-2	0.0				Wooden debris.
								SP	Brown, moist, medium dense, sand with SILT; trace roots.
	■		1258	B27-5	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18.
10									
15									
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Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 10/12/18 BORING NO. B28

GROUND ELEVATION 27' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Brown, moist, loose to medium dense, fine SAND; some silt; trace gravel; trace roots.
	■		1137	B28-2	0.0				
	■		1142	B28-5 DUP-6	0.0				Trace roots.
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18.
10									
15									
20									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 10/12/18 BORING NO. B29

GROUND ELEVATION 26' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 4 inches thick.
								SP	FILL: Brown, dry, loose, SAND; trace gravel.
	■		1703	B29-2	0.0				Refusal at approximately 3 feet. Encountered copper pipe.
									Total Depth = 3 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18.
5									Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
									The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE A- 29

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LOS ALAMITOS HIGH SCHOOL
3591 WEST CERRITOS AVENUE, LOS ALAMITOS, CALIFORNIA
210808001 | 10/18

DATE DRILLED 10/12/18 BORING NO. B30

GROUND ELEVATION 26' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Light brown, dry, loose, SAND; some silt; roots; trace gravel.
	■		1446	B30-2	0.0				
	■		1480	B30-5	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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15									
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DATE DRILLED 10/12/18 BORING NO. B31

GROUND ELEVATION 27' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Brown, moist, loose to medium dense, fine SAND; some silt; trace roots; trace gravel.
	■		1200	B31-2	0.0				Few wooden debris.
	■		1206	B31-5	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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15									
20									

DATE DRILLED 10/12/18 BORING NO. B32

GROUND ELEVATION 27' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Brown, moist, medium dense, SAND with silt; trace gravel; trace clay.
	■		1315	B32-2 DUP-7	0.0				
									Some gravel fragments up to approximately 1 inch.
									Some clay.
	■		1330	B32-5	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No stains or odors. Backfilled with hydrated bentonite on 10/12/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 10/12/18 BORING NO. B33

GROUND ELEVATION 26' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Brown, moist, medium dense, SAND with silt; trace roots.
	■		1429	B33-2	0.0				
	■		1435	B33-5	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18.
10									
15									
20									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 10/12/18 BORING NO. B34

GROUND ELEVATION 26' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Brown, moist, loose, SAND with silt; roots; trace gravel.
	■		1415	B34-2	0.0				Dark brown.
	■		1420	B34-5 DUP-8	0.0				
5									Total Depth = 5 feet. Groundwater is not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
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FIGURE A- 34

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210808001 | 10/18

DATE DRILLED 10/12/18 BORING NO. B35

GROUND ELEVATION 26' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 4 inches thick.
								SP	FILL: Brown, dry, loose, SAND with silt.
	■		1637	B35-2	0.0				
									Trace clay.
	■		1645	B35-5	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18.
10									
15									
20									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 10/12/18 BORING NO. B36

GROUND ELEVATION 25' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SP	FILL: Dark brown, moist, medium dense, fine to medium SAND; some silt; trace gravel; trace roots.
	■		1505	B36-2	0.0				
									Some clay.
	■		1515	B36-5	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
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DATE DRILLED 10/12/18 BORING NO. B37

GROUND ELEVATION 24' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT:
								SM	Approximately 4 inches thick.
									FILL:
									Dark brown, dry, medium dense, silty SAND with clay.
	■		1607	B37-2	0.0				Moist.
									Some clay.
	■		1612	B37-5	0.0				
5									Total Depth = 5 feet.
									Groundwater was not encountered during drilling.
									No odors or stains.
									Backfilled with hydrated bentonite on 10/12/18.
									Notes:
									Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
									The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 10/12/18 BORING NO. B38

GROUND ELEVATION 24' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SM	FILL: Dark brown, moist, medium dense, silty SAND with clay; roots; trace gravel.
	■		1535	B38-2	0.0				
									Some clay.
	■		1540	B38-5	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 10/12/18 BORING NO. B39

GROUND ELEVATION 24' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger (Interphase Environmental)

DRIVE WEIGHT NA DROP NA

SAMPLED BY DAH LOGGED BY DAH REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	TIME	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SM	FILL: Dark brown, moist, medium dense, silty SAND with clay; trace roots.
	■		1546	B39-2	0.0				
	■		1550	B39-5	0.0				
5									Total Depth = 5 feet. Groundwater was not encountered during drilling. No odors or stains. Backfilled with hydrated bentonite on 10/12/18.
10									Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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20									

ATTACHMENT B

Non-Hazardous Waste Manifest

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
/ /			A07	49574	

Generator and/or Consultant

Generator's Name and Billing Address: LOS ALAMITOS UNIFIED SCHOOL DISTRICT 10293 BLOOMFIELD ST. LOS ALAMITOS, CA 90720	Generator's Phone #: 562-799-4700 Person to Contact: FAX#:	Customer Account Number
Consultant's Name and Billing Address:	Consultant's Phone #: Person to Contact: FAX#:	Customer Account Number
Generation Site (Transport from): *(name & address)* LOS ALAMITOS HIGH SCHOOL 3591 W CERRITOS AVE LOS ALAMITOS, CA 90720	Site Phone #: Person to Contact: FAX#:	
Designated Facility (Transport to): *(name & address)* SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 882-5001 Person to Contact: JOE PROVANSAL FAX#: (760) 246-8004	
Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 290558	Transporter's Phone #: 949-460-5200 Person to Contact: LARRY MOOTHART FAX#: 949-460-5210	CAR000183913 450647 Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑	3 DM	Soil			
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					

List any exception to items listed above: Scale Ticket #

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

Print or Type Name: Generator ❑ Consultant ❑ Signature and date: Month 10 Day Year

Transporter

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

Print or Type Name: Brandon Rosales Signature and date: Month 10 Day 21 Year 18

Recycling Facility

Discrepancies:

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

Print or Type Name: J. PROVANSAL Signature and date:

Please print or type.

GENERATOR/CONSULTANTS COPY

ATTACHMENT C

Laboratory Reports

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.: 2576
Expiration Date: 2018
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:

Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 23820
Project Name:	Alamitos High School
Project Number:	210808001
Date Received:	9/5/2018
Date Reported:	9/10/2018
Chain of Custody Received:	☑
Analytical Method:	8015B, 8260B, 6010B, 7471A, 7470A,

Mark Noorani, Laboratory Director

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 4.6ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B1-2'	23820-001	9/5/2018	9/5/2018	Soil
B1-5'	23820-002	9/5/2018	9/5/2018	Soil
B2-2'	23820-003	9/5/2018	9/5/2018	Soil
B2-5'	23820-004	9/5/2018	9/5/2018	Soil
B3-2'	23820-005	9/5/2018	9/5/2018	Soil
B3-5'	23820-006	9/5/2018	9/5/2018	Soil
B4-2'	23820-007	9/5/2018	9/5/2018	Soil
B4-5'	23820-008	9/5/2018	9/5/2018	Soil
B9-2'	23820-009	9/5/2018	9/5/2018	Soil
B9-5'	23820-010	9/5/2018	9/5/2018	Soil
B8-2'	23820-011	9/5/2018	9/5/2018	Soil
B8-5'	23820-012	9/5/2018	9/5/2018	Soil
B10-2'	23820-013	9/5/2018	9/5/2018	Soil
B10-5'	23820-014	9/5/2018	9/5/2018	Soil
B11-2'	23820-015	9/5/2018	9/5/2018	Soil
B11-5'	23820-016	9/5/2018	9/5/2018	Soil
B20-2'	23820-017	9/5/2018	9/5/2018	Soil
B20-5'	23820-018	9/5/2018	9/5/2018	Soil
B19-2'	23820-019	9/5/2018	9/5/2018	Soil
B19-5'	23820-020	9/5/2018	9/5/2018	Soil
DUP-1	23820-021	9/5/2018	9/5/2018	Soil
DUP-2	23820-022	9/5/2018	9/5/2018	Soil
DUP-3	23820-023	9/5/2018	9/5/2018	Soil
DUP-4	23820-024	9/5/2018	9/5/2018	Soil
EB-090518	23820-025	9/5/2018	9/5/2018	Water
Trip Blank	23820-026	9/5/2018		Water

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B1-2'	23820-001	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	43
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B1-2'	23820-001	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	43
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B1-5'	23820-002	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	380	Octacosane	114
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B1-5'	23820-002	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	114
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B2-2'	23820-003	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	61
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B2-2'	23820-003	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	61
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B2-5'	23820-004	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	84
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B2-5'	23820-004	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	84
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B3-2'	23820-005	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	96
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B3-2'	23820-005	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	96
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B3-5'	23820-006	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	90
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B3-5'	23820-006	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	90
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B4-2'	23820-007	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	51
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B4-2'	23820-007	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	51
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B4-5'	23820-008	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	88
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B4-5'	23820-008	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	88
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B9-2'	23820-009	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	64
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B9-2'	23820-009	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	64
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B9-5'	23820-010	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	76
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B9-5'	23820-010	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	76
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B8-2'	23820-011	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	89
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B8-2'	23820-011	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	89
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B8-5'	23820-012	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	75
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B8-5'	23820-012	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	75
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B10-2'	23820-013	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	44
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
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Irvine, CA, 92618

Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B10-2'	23820-013	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	44
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B10-5'	23820-014	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	78
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B10-5'	23820-014	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	78
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B11-2'	23820-015	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	78
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B11-2'	23820-015	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	78
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
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Irvine, CA, 92618

Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B11-5'	23820-016	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	43
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B11-5'	23820-016	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	43
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B20-2'	23820-017	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	110	Octacosane	43
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B20-2'	23820-017	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	340	Octacosane	43
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B20-5'	23820-018	9/5/2018	9/5/2018	9/6/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	75
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B20-5'	23820-018	9/5/2018	9/5/2018	9/6/2018	9/9/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	75

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-159 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B19-2'	23820-019	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	80

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-159 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B19-2'	23820-019	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	80

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-159 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B19-5'	23820-020	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	75

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-159 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B19-5'	23820-020	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	75

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-159 %

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B19-5'	23820-020	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	75
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-1	23820-021	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	69
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-1	23820-021	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	69
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-2	23820-022	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	30
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: S5,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-2	23820-022	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	30
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: S5,

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-3	23820-023	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	26
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: S5,

DUP-3	23820-023	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	26
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: S5,

DUP-4	23820-024	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	79
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

DUP-4	23820-024	9/5/2018	9/5/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	79
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Method Blank	MBAV0906181	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	93
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV0906181			9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	93

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV0906182			9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	84

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV0906182			9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	84

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B1-2'	23820-001	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	84

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B1-5'	23820-002	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B2-2'	23820-003	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	87

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B2-5'	23820-004	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	88

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B3-2'	23820-005	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	89

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B3-5'	23820-006	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	87

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B4-2'	23820-007	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	83

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B4-5'	23820-008	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	83

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B9-2'	23820-009	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B9-5'	23820-010	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	89

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B8-2'	23820-011	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	79

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B8-5'	23820-012	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B10-2'	23820-013	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B10-5'	23820-014	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	84

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B11-2'	23820-015	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B11-5'	23820-016	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	87

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B20-2'	23820-017	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B20-5'	23820-018	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B19-2'	23820-019	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	78

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B19-5'	23820-020	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	88

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Irvine, CA, 92618

Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-1	23820-021	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	82

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-2	23820-022	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	87

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-3	23820-023	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	79

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-4	23820-024	9/5/2018	9/5/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBMN0906181			9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	93

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

Mr. Patrick Cullip
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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBMN0906182			9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg
GROs[1]	<0.20

Surrogate:	% RC*
α-α-α-Trifluorotoluene	92

* Acceptable Recovery: 49-130 %

Dilution Factor: 1
Data Qualifiers: None

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B1-2'	23820-001	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	97	42-139 %
Toluene-d8:	87	55-130 %
4-Bromofluorobenzene:	78	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B1-5'	23820-002	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	99	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B2-2'	23820-003	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	102	42-139 %
Toluene-d8:	86	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B2-5'	23820-004	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B3-2'	23820-005	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	98	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B3-5'	23820-006	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B4-2'	23820-007	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	98	42-139 %
Toluene-d8:	86	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B4-5'	23820-008	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	42-139 %
Toluene-d8:	89	55-130 %
4-Bromofluorobenzene:	78	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B9-2'	23820-009	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	103	42-139 %
Toluene-d8:	89	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B9-5'	23820-010	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	101	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B8-2'	23820-011	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B8-5'	23820-012	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	103	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B10-2'	23820-013	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	97	42-139 %
Toluene-d8:	85	55-130 %
4-Bromofluorobenzene:	72	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B10-5'	23820-014	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	103	42-139 %
Toluene-d8:	86	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B11-2'	23820-015	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	97	42-139 %
Toluene-d8:	87	55-130 %
4-Bromofluorobenzene:	73	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B11-5'	23820-016	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	107	42-139 %
Toluene-d8:	92	55-130 %
4-Bromofluorobenzene:	83	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B20-2'	23820-017	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	106	42-139 %
Toluene-d8:	87	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B20-5'	23820-018	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	103	42-139 %
Toluene-d8:	86	55-130 %
4-Bromofluorobenzene:	74	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B19-2'	23820-019	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	103	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	78	55-130 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Patrick Cullip
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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B19-5'	23820-020	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	103	42-139 %
Toluene-d8:	86	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-1	23820-021	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	99	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-2	23820-022	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	104	42-139 %
Toluene-d8:	85	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Patrick Cullip
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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-3	23820-023	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	99	42-139 %
Toluene-d8:	85	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Patrick Cullip
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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-4	23820-024	9/5/2018	9/5/2018	9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	99	42-139 %
Toluene-d8:	85	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBMN0906181			9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	98	42-139 %
Toluene-d8:	87	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBMN0906182			9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	42-139 %
Toluene-d8:	87	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
EB-090518	23820-025	9/5/2018	9/5/2018	9/8/2018	9/8/2018	Water

ANALYTE	CAS #	µg/L	ANALYTE	CAS #	µg/L
t-Amyl methyl ether (TAME)	994-05-8	<1.0	trans-1,3-Dichloropropene	10061-02-6	<0.50
Benzene	71-43-2	<0.50	Diisopropyl ether (DIPE)	108-20-3	<1.0
Bromobenzene	108-86-1	<0.50	Ethyl t-butyl ether (ETBE)	637-92-3	<1.0
Bromochloromethane	74-97-5	<0.50	Ethylbenzene	100-41-4	<0.50
Bromodichloromethane	75-27-4	<1.0	Hexachlorobutadiene	87-68-3	<0.50
Bromoform	75-25-2	<0.50	Isopropylbenzene	98-82-8	<0.50
Bromomethane	74-83-9	<5.0	4-Isopropyltoluene	99-87-6	<0.50
tert-Butyl alcohol (TBA)	75-65-0	<10	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0
n-Butylbenzene	104-51-8	<0.50	Methylene chloride	75-09-2	<5.0
sec-Butylbenzene	135-98-8	<0.50	Naphthalene	91-20-3	<0.50
tert-Butylbenzene	98-06-6	<0.50	n-Propylbenzene	103-65-1	<0.50
Carbon tetrachloride	56-23-5	<0.50	Styrene	100-42-5	<0.50
Chlorobenzene	108-90-7	<0.50	1,1,1,2-Tetrachloroethane	630-20-6	<0.50
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<0.50
Chloroform	67-66-3	<0.50	Tetrachloroethene	127-18-4	<0.50
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<0.50
2-Chlorotoluene	95-49-8	<0.50	1,2,3-Trichlorobenzene	87-61-6	<0.50
4-Chlorotoluene	106-43-4	<0.50	1,2,4-Trichlorobenzene	120-82-1	<0.50
Dibromochloromethane	124-48-1	<0.50	1,1,1-Trichloroethane	71-55-6	<0.50
1,2-Dibromo-3-chloropropane	96-12-8	<2.0	1,1,2-Trichloroethane	79-00-5	<0.50
1,2-Dibromoethane	106-93-4	<0.50	Trichloroethene	79-01-6	<0.50
Dibromomethane	74-95-3	<0.50	Trichlorofluoromethane	75-69-4	<2.0
1,2-Dichlorobenzene	95-50-1	<0.50	1,2,3-Trichloropropane	96-18-4	<0.50
1,3-Dichlorobenzene	541-73-1	<0.50	1,2,4-Trimethylbenzene	95-63-6	<0.50
1,4-Dichlorobenzene	106-46-7	<0.50	1,3,5-Trimethylbenzene	108-67-8	<0.50
Dichlorodifluoromethane	75-71-8	<2.0	Vinyl Chloride	75-01-4	<0.50
1,1-Dichloroethane	75-34-3	<0.50	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<0.50			
1,1-Dichloroethene	75-35-4	<0.50			
cis-1,2-Dichloroethene	156-59-2	<0.50			
trans-1,2-Dichloroethene	156-60-5	<0.50			
1,2-Dichloropropane	78-87-5	<1.0			
1,3-Dichloropropane	142-28-9	<0.50			
2,2-Dichloropropane	594-20-7	<0.50			
1,1-Dichloropropene	563-58-6	<0.50			
cis-1,3-Dichloropropene	10061-01-5	<0.50			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	101	58-136 %
Toluene-d8:	85	54-130 %
4-Bromofluorobenzene:	75	52-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Trip Blank	23820-026	9/5/2018		9/8/2018	9/8/2018	Water

ANALYTE	CAS #	µg/L	ANALYTE	CAS #	µg/L
t-Amyl methyl ether (TAME)	994-05-8	<1.0	trans-1,3-Dichloropropene	10061-02-6	<0.50
Benzene	71-43-2	<0.50	Diisopropyl ether (DIPE)	108-20-3	<1.0
Bromobenzene	108-86-1	<0.50	Ethyl t-butyl ether (ETBE)	637-92-3	<1.0
Bromochloromethane	74-97-5	<0.50	Ethylbenzene	100-41-4	<0.50
Bromodichloromethane	75-27-4	<1.0	Hexachlorobutadiene	87-68-3	<0.50
Bromoform	75-25-2	<0.50	Isopropylbenzene	98-82-8	<0.50
Bromomethane	74-83-9	<5.0	4-Isopropyltoluene	99-87-6	<0.50
tert-Butyl alcohol (TBA)	75-65-0	<10	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0
n-Butylbenzene	104-51-8	<0.50	Methylene chloride	75-09-2	<5.0
sec-Butylbenzene	135-98-8	<0.50	Naphthalene	91-20-3	<0.50
tert-Butylbenzene	98-06-6	<0.50	n-Propylbenzene	103-65-1	<0.50
Carbon tetrachloride	56-23-5	<0.50	Styrene	100-42-5	<0.50
Chlorobenzene	108-90-7	<0.50	1,1,1,2-Tetrachloroethane	630-20-6	<0.50
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<0.50
Chloroform	67-66-3	<0.50	Tetrachloroethene	127-18-4	<0.50
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<0.50
2-Chlorotoluene	95-49-8	<0.50	1,2,3-Trichlorobenzene	87-61-6	<0.50
4-Chlorotoluene	106-43-4	<0.50	1,2,4-Trichlorobenzene	120-82-1	<0.50
Dibromochloromethane	124-48-1	<0.50	1,1,1-Trichloroethane	71-55-6	<0.50
1,2-Dibromo-3-chloropropane	96-12-8	<2.0	1,1,2-Trichloroethane	79-00-5	<0.50
1,2-Dibromoethane	106-93-4	<0.50	Trichloroethene	79-01-6	<0.50
Dibromomethane	74-95-3	<0.50	Trichlorofluoromethane	75-69-4	<2.0
1,2-Dichlorobenzene	95-50-1	<0.50	1,2,3-Trichloropropane	96-18-4	<0.50
1,3-Dichlorobenzene	541-73-1	<0.50	1,2,4-Trimethylbenzene	95-63-6	<0.50
1,4-Dichlorobenzene	106-46-7	<0.50	1,3,5-Trimethylbenzene	108-67-8	<0.50
Dichlorodifluoromethane	75-71-8	<2.0	Vinyl Chloride	75-01-4	<0.50
1,1-Dichloroethane	75-34-3	<0.50	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<0.50			
1,1-Dichloroethene	75-35-4	<0.50			
cis-1,2-Dichloroethene	156-59-2	<0.50			
trans-1,2-Dichloroethene	156-60-5	<0.50			
1,2-Dichloropropane	78-87-5	<1.0			
1,3-Dichloropropane	142-28-9	<0.50			
2,2-Dichloropropane	594-20-7	<0.50			
1,1-Dichloropropene	563-58-6	<0.50			
cis-1,3-Dichloropropene	10061-01-5	<0.50			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	88	58-136 %
Toluene-d8:	78	54-130 %
4-Bromofluorobenzene:	66	52-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT0908181			9/8/2018	9/8/2018	Water

ANALYTE	CAS #	µg/L	ANALYTE	CAS #	µg/L
t-Amyl methyl ether (TAME)	994-05-8	<1.0	trans-1,3-Dichloropropene	10061-02-6	<0.50
Benzene	71-43-2	<0.50	Diisopropyl ether (DIPE)	108-20-3	<1.0
Bromobenzene	108-86-1	<0.50	Ethyl t-butyl ether (ETBE)	637-92-3	<1.0
Bromochloromethane	74-97-5	<0.50	Ethylbenzene	100-41-4	<0.50
Bromodichloromethane	75-27-4	<1.0	Hexachlorobutadiene	87-68-3	<0.50
Bromoform	75-25-2	<0.50	Isopropylbenzene	98-82-8	<0.50
Bromomethane	74-83-9	<5.0	4-Isopropyltoluene	99-87-6	<0.50
tert-Butyl alcohol (TBA)	75-65-0	<10	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0
n-Butylbenzene	104-51-8	<0.50	Methylene chloride	75-09-2	<5.0
sec-Butylbenzene	135-98-8	<0.50	Naphthalene	91-20-3	<0.50
tert-Butylbenzene	98-06-6	<0.50	n-Propylbenzene	103-65-1	<0.50
Carbon tetrachloride	56-23-5	<0.50	Styrene	100-42-5	<0.50
Chlorobenzene	108-90-7	<0.50	1,1,1,2-Tetrachloroethane	630-20-6	<0.50
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<0.50
Chloroform	67-66-3	<0.50	Tetrachloroethene	127-18-4	<0.50
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<0.50
2-Chlorotoluene	95-49-8	<0.50	1,2,3-Trichlorobenzene	87-61-6	<0.50
4-Chlorotoluene	106-43-4	<0.50	1,2,4-Trichlorobenzene	120-82-1	<0.50
Dibromochloromethane	124-48-1	<0.50	1,1,1-Trichloroethane	71-55-6	<0.50
1,2-Dibromo-3-chloropropane	96-12-8	<2.0	1,1,2-Trichloroethane	79-00-5	<0.50
1,2-Dibromoethane	106-93-4	<0.50	Trichloroethene	79-01-6	<0.50
Dibromomethane	74-95-3	<0.50	Trichlorofluoromethane	75-69-4	<2.0
1,2-Dichlorobenzene	95-50-1	<0.50	1,2,3-Trichloropropane	96-18-4	<0.50
1,3-Dichlorobenzene	541-73-1	<0.50	1,2,4-Trimethylbenzene	95-63-6	<0.50
1,4-Dichlorobenzene	106-46-7	<0.50	1,3,5-Trimethylbenzene	108-67-8	<0.50
Dichlorodifluoromethane	75-71-8	<2.0	Vinyl chloride	75-01-4	<0.50
1,1-Dichloroethane	75-34-3	<0.50	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<0.50			
1,1-Dichloroethene	75-35-4	<0.50			
cis-1,2-Dichloroethene	156-59-2	<0.50			
trans-1,2-Dichloroethene	156-60-5	<0.50			
1,2-Dichloropropane	78-87-5	<1.0			
1,3-Dichloropropane	142-28-9	<0.50			
2,2-Dichloropropane	594-20-7	<0.50			
1,1-Dichloropropene	563-58-6	<0.50			
cis-1,3-Dichloropropene	10061-01-5	<0.50			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	94	58-136 %
Toluene-d8:	83	54-130 %
4-Bromofluorobenzene:	70	52-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
EB-090518	23820-025	9/5/2018	9/5/2018	9/7/2018	9/9/2018	Water

ANALYTE	mg/L	Surrogate:	% RC*
DROs	<0.10	Octacosane	78
		* Acc Recovery:	34-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
EB-090518	23820-025	9/5/2018	9/5/2018	9/7/2018	9/9/2018	Water

ANALYTE	mg/L	Surrogate:	% RC*
MROs	<0.30	Octacosane	78
		* Acc Recovery:	34-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV0907184			9/7/2018	9/9/2018	Water

ANALYTE	mg/L	Surrogate:	% RC*
DROs	<0.10	Octacosane	80
		* Acc Recovery:	34-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV0907184			9/7/2018	9/9/2018	Water

ANALYTE	mg/L	Surrogate:	% RC*
MROs	<0.30	Octacosane	80
		* Acc Recovery:	34-159 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 23820
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Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
EB-090518	23820-025	9/5/2018	9/5/2018	9/9/2018	9/9/2018	Water

ANALYTE	µg/L	Surrogate:	% RC*
GROs[1]	<50	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 37-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBMN0909181			9/9/2018	9/9/2018	Water

ANALYTE	µg/L	Surrogate:	% RC*
GROs[1]	<50	α-α-α-Trifluorotoluene	90

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 37-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B1-2'	23820-001	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	120	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.67	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	27	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	14	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	25	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	8.5	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	2.6	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	18	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	54	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	61	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B1-5'	23820-002	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	110	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	19	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	11	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	19	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	23	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	15	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	43	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	51	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B2-2'	23820-003	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	110	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.60	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	0.56	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	23	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	13	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	21	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	6.2	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	16	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	50	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	60	mg/kg	09/06/18	09/07/18	--	1

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Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B2-5'	23820-004	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	110	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	18	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	10	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	20	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	3.6	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	14	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	38	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	42	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B3-2'	23820-005	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	110	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.58	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	0.62	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	22	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	12	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	19	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	7.8	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	16	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	50	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	59	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B3-5'	23820-006	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	2.3	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	150	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.56	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	24	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	13	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	28	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	6.2	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	18	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	51	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	55	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-2'	23820-007	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	110	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.53	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	21	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	12	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	21	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	11	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	15	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	45	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	55	mg/kg	09/06/18	09/07/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-5'	23820-008	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	97	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.55	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	0.52	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	20	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	11	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	17	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	7.0	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	14	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	46	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	56	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B9-2'	23820-009	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	3.2	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	150	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.56	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	25	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	14	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	29	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	7.5	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	19	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	51	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	57	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B9-5'	23820-010	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	110	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.73	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	25	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	14	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	23	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	7.1	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	17	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	53	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	63	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B8-2'	23820-011	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	96	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.56	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	20	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	11	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	19	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	5.1	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	14	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	45	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	51	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B8-5'	23820-012	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	98	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.55	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	20	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	12	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	18	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	5.4	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	14	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	46	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	54	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B10-2'	23820-013	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	2.2	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	130	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.57	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	24	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	13	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	26	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	11	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	1.4	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	18	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	50	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	59	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B10-5'	23820-014	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	2.7	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	120	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	22	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	13	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	27	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	5.1	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	1.1	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	17	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	47	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	51	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B11-2'	23820-015	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	2.4	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	140	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.55	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	22	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	13	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	27	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	8.4	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	0.21	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	17	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	47	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	55	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B11-5'	23820-016	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	110	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.54	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	22	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	13	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	23	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	5.4	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	16	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	51	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	54	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B20-2'	23820-017	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	4.2	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	130	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.51	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	0.73	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	20	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	12	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	26	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	70	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	18	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	50	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	140	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

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Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B20-5'	23820-018	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	4.5	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	180	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.62	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	0.68	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	29	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	16	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	37	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	7.2	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	1.4	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	23	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	58	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	63	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B19-2'	23820-019	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	76	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	13	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	8.3	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	15	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	4.4	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	11	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	30	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	34	mg/kg	09/06/18	09/07/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B19-5'	23820-020	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	3.5	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	150	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.61	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	0.58	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	28	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	16	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	32	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	7.1	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	1.9	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	22	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	59	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	63	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DUP-1	23820-021	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	120	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.83	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	0.51	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	27	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	14	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	26	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	7.5	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	18	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	57	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	66	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DUP-2	23820-022	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	2.4	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	150	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	0.64	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	0.55	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	26	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	14	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	29	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	12	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	1.6	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	20	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	54	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	66	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DUP-3	23820-023	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	130	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	22	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	13	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	24	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	5.0	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	17	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	50	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	52	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DUP-4	23820-024	9/5/2018	9/5/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Arsenic	6010B	5.5	mg/kg	09/06/18	09/07/18	--	1
Barium	6010B	73	mg/kg	09/06/18	09/07/18	--	1
Beryllium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Cadmium	6010B	0.59	mg/kg	09/06/18	09/07/18	--	1
Chromium	6010B	15	mg/kg	09/06/18	09/07/18	--	1
Cobalt	6010B	7.3	mg/kg	09/06/18	09/07/18	--	1
Copper	6010B	15	mg/kg	09/06/18	09/07/18	--	1
Lead	6010B	8.8	mg/kg	09/06/18	09/07/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
Nickel	6010B	12	mg/kg	09/06/18	09/07/18	--	1
Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
Vanadium	6010B	32	mg/kg	09/06/18	09/07/18	--	1
Zinc	6010B	41	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0906181	Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Barium	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Beryllium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Chromium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Cobalt	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Copper	6010B	<5.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Lead	6010B	<0.80	mg/kg	09/06/18	09/07/18	--	1
MBJV0907182	Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
MBIR0906181	Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Nickel	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Vanadium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
MBIR0906181	Zinc	6010B	<5.0	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0906182	Antimony	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Arsenic	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Barium	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Beryllium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Cadmium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Chromium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Cobalt	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Copper	6010B	<5.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Lead	6010B	<0.80	mg/kg	09/06/18	09/07/18	--	1
MBJV0907183	Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
MBIR0906182	Molybdenum	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Nickel	6010B	<1.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Selenium	6010B	<4.8	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Silver	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Thallium	6010B	<2.0	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Vanadium	6010B	<0.50	mg/kg	09/06/18	09/07/18	--	1
MBIR0906182	Zinc	6010B	<5.0	mg/kg	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
EB-090518	23820-025	9/5/2018	9/5/2018	Water

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<0.10	mg/L	09/06/18	09/07/18	--	1
Arsenic	6010B	<0.040	mg/L	09/06/18	09/07/18	--	1
Barium	6010B	<0.020	mg/L	09/06/18	09/07/18	--	1
Beryllium	6010B	<0.010	mg/L	09/06/18	09/07/18	--	1
Cadmium	6010B	<0.010	mg/L	09/06/18	09/07/18	--	1
Chromium	6010B	<0.010	mg/L	09/06/18	09/07/18	--	1
Cobalt	6010B	<0.050	mg/L	09/06/18	09/07/18	--	1
Copper	6010B	<0.10	mg/L	09/06/18	09/07/18	--	1
Lead	6010B	<0.040	mg/L	09/06/18	09/07/18	--	1
Mercury	7470A	<0.0010	mg/L	09/08/18	09/10/18	--	1
Molybdenum	6010B	<0.050	mg/L	09/06/18	09/07/18	--	1
Nickel	6010B	<0.020	mg/L	09/06/18	09/07/18	--	1
Selenium	6010B	<0.10	mg/L	09/06/18	09/07/18	--	1
Silver	6010B	<0.010	mg/L	09/06/18	09/07/18	--	1
Thallium	6010B	<0.10	mg/L	09/06/18	09/07/18	--	1
Vanadium	6010B	<0.010	mg/L	09/06/18	09/07/18	--	1
Zinc	6010B	<0.10	mg/L	09/06/18	09/07/18	--	1

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Lab Reference #: NAM 23820
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Water

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0906188	Antimony	6010B	<0.10	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Arsenic	6010B	<0.040	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Barium	6010B	<0.020	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Beryllium	6010B	<0.010	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Cadmium	6010B	<0.010	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Chromium	6010B	<0.010	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Cobalt	6010B	<0.050	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Copper	6010B	<0.10	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Lead	6010B	<0.040	mg/L	09/06/18	09/07/18	--	1
MBJV0908181	Mercury	7470A	<0.0010	mg/L	09/08/18	09/10/18	--	1
MBIR0906188	Molybdenum	6010B	<0.050	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Nickel	6010B	<0.020	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Selenium	6010B	<0.10	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Silver	6010B	<0.010	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Thallium	6010B	<0.10	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Vanadium	6010B	<0.010	mg/L	09/06/18	09/07/18	--	1
MBIR0906188	Zinc	6010B	<0.10	mg/L	09/06/18	09/07/18	--	1

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/6/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: 23820-001
MS/MSD Qualifiers: M1,
Reference #: NAM 23820

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	0.00	1000	1740	1860	174	186	7	59-164	26	☑

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	43	45	☐

LCS	LCSD	Qual
98	96	☐

ACP % RC
40-159

Laboratory Control Sample

Date of Extraction: 9/6/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: AV0906181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1210	1180	121	118	3	70-132	20	☐

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/6/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: 23820-019
MS/MSD Qualifiers: M1, S5,
Reference #: NAM 23820

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	0.00	1000	1660	1600	166	160	4	59-164	26	☑

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	20	13	☑

LCS	LCSD	Qual
85	86	☐

ACP % RC
40-159

Laboratory Control Sample

Date of Extraction: 9/6/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: AV0906182
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1140	1150	114	115	1	70-132	20	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/7/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: 23820-001
MS/MSD Qualifiers: None
Reference #: NAM 23820

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.150	0.150	60	60	0	42-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
α-α-α-Trifluorotoluene	108	105	☐	107	112	☐	49-130

Laboratory Control Sample

Date of Extraction: 9/7/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: MN0907181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.155	0.156	62	62	1	44-130	20	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/7/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: 23820-021
MS/MSD Qualifiers: None
Reference #: NAM 23820

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.151	0.151	60	60	0	42-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	109	105	☐

LCS	LCSD	Qual
98	101	☐

ACP % RC
49-130

Laboratory Control Sample

Date of Extraction: 9/7/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: MN0907182
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.148	0.145	59	58	2	44-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/6/2018
Date of Analysis: 9/6/2018
Dup Date of Analysis: 9/6/2018
Laboratory Sample #: 23820-001
MS/MSD Qualifiers: None
Reference #: NAM 23820

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	9.07	8.90	91	89	2	53-130	20	☐
Benzene	0.00	10.0	9.99	10.1	100	101	1	67-135	20	☐
Trichloroethene	0.00	10.0	11.3	11.2	113	112	1	70-130	20	☐
Toluene	0.00	10.0	11.9	11.8	119	118	1	69-130	20	☐
Chlorobenzene	0.00	10.0	11.5	11.1	115	111	4	70-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	97	98	☐	96	96	☐	42-139
Toluene-d8	88	87	☐	87	87	☐	55-130
4-Bromofluorobenzene	79	77	☐	77	79	☐	55-130

Laboratory Control Sample

Date of Extraction: 9/6/2018
Date of Analysis: 9/6/2018
Dup Date of Analysis: 9/6/2018
Laboratory Sample #: MN0906181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	8.71	9.15	87	91	5	54-130	20	☐
Benzene	10.0	9.39	9.52	94	95	1	66-137	20	☐
Trichloroethene	10.0	10.5	11.0	105	110	5	70-130	20	☐
Toluene	10.0	11.5	11.2	115	112	3	70-130	20	☐
Chlorobenzene	10.0	10.9	10.8	109	108	1	70-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/6/2018
Date of Analysis: 9/6/2018
Dup Date of Analysis: 9/6/2018
Laboratory Sample #: 23820-021
MS/MSD Qualifiers: None
Reference #: NAM 23820

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	7.99	8.13	80	81	2	53-130	20	☐
Benzene	0.00	10.0	9.73	9.55	97	96	2	67-135	20	☐
Trichloroethene	0.00	10.0	11.1	10.6	111	106	5	70-130	20	☐
Toluene	0.00	10.0	11.2	11.4	112	114	2	69-130	20	☐
Chlorobenzene	0.00	10.0	11.3	11.2	113	112	1	70-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	100	100	☐	100	98	☐	42-139
Toluene-d8	86	86	☐	86	87	☐	55-130
4-Bromofluorobenzene	75	76	☐	78	77	☐	55-130

Laboratory Control Sample

Date of Extraction: 9/6/2018
Date of Analysis: 9/6/2018
Dup Date of Analysis: 9/6/2018
Laboratory Sample #: MN0906182
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	7.56	8.07	76	81	7	54-130	20	☐
Benzene	10.0	9.15	9.04	91	90	1	66-137	20	☐
Trichloroethene	10.0	9.91	10.3	99	103	4	70-130	20	☐
Toluene	10.0	10.8	10.8	108	108	0	70-130	20	☐
Chlorobenzene	10.0	10.6	10.8	106	108	2	70-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/8/2018
Date of Analysis: 9/8/2018
Dup Date of Analysis: 9/8/2018
Laboratory Sample #: 23820-025
MS/MSD Qualifiers: None
Reference #: NAM 23820

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	6.53	6.93	65	69	6	51-134	20	☐
Benzene	0.00	10.0	8.49	8.52	85	85	0	65-138	20	☐
Trichloroethene	0.00	10.0	9.50	9.50	95	95	0	70-133	20	☐
Toluene	0.00	10.0	10.6	10.2	106	102	4	67-130	20	☐
Chlorobenzene	0.00	10.0	10.6	10.0	106	100	6	70-131	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	82	86	☐	98	95	☐	58-136
Toluene-d8	79	77	☐	84	84	☐	54-130
4-Bromofluorobenzene	68	68	☐	75	73	☐	52-130

Laboratory Control Sample

Date of Extraction: 9/8/2018
Date of Analysis: 9/8/2018
Dup Date of Analysis: 9/8/2018
Laboratory Sample #: HT0908181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	8.25	7.69	82	77	7	55-130	20	☐
Benzene	10.0	9.92	9.58	99	96	3	65-134	20	☐
Trichloroethene	10.0	11.1	10.8	111	108	3	70-130	20	☐
Toluene	10.0	11.3	11.0	113	110	3	69-130	20	☐
Chlorobenzene	10.0	11.4	11.1	114	111	3	70-130	20	☐

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Date of Extraction: 9/7/2018
Date of Analysis: 9/9/2018
Dup Date of Analysis: 9/9/2018
Laboratory Sample #: AV0907184
LCS/LCSD Qualifiers: None
Reference #: NAM 23820

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	2.00	1.79	1.88	89	94	5	45-130	21	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	LCS	LCSD	Qual
Octacosane	74	84	☐

ACP % RC
34-159

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/9/2018
Date of Analysis: 9/9/2018
Dup Date of Analysis: 9/9/2018
Laboratory Sample #: 23820-025
MS/MSD Qualifiers: None
Reference #: NAM 23820

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	100	98.3	93.4	98	93	5	41-130	27	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
α-α-α-Trifluorotoluene	111	112	☐	119	118	☐	37-130

Laboratory Control Sample

Date of Extraction: 9/9/2018
Date of Analysis: 9/9/2018
Dup Date of Analysis: 9/9/2018
Laboratory Sample #: MN0909181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	100	103	103	103	103	0	45-130	23	☐

QA/QC Report
for
Metals

Reference #: NAM 23820 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Analyte	Date of Extraction	MS Date of Analysis	MSD Date of Analysis	Laboratory Sample #	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Antimony	9/6/2018	9/7/2018	9/7/2018	23820-001	0.00	20.0	1.83	1.22	9	6	40	75-125	20	M2, R2,
Arsenic	9/6/2018	9/7/2018	9/7/2018	23820-001	0.00	20.0	19.8	21.0	99	105	6	75-125	20	--
Barium	9/6/2018	9/7/2018	9/7/2018	23820-001	120	20.0	147	149	135	145	1	75-125	20	M3,
Beryllium	9/6/2018	9/7/2018	9/7/2018	23820-001	0.670	20.0	19.3	19.4	93	94	1	75-125	20	--
Cadmium	9/6/2018	9/7/2018	9/7/2018	23820-001	0.00	20.0	19.0	19.5	95	98	3	75-125	20	--
Chromium	9/6/2018	9/7/2018	9/7/2018	23820-001	27.0	20.0	45.0	46.1	90	95	2	75-125	20	--
Cobalt	9/6/2018	9/7/2018	9/7/2018	23820-001	14.0	20.0	32.7	33.2	94	96	2	75-125	20	--
Copper	9/6/2018	9/7/2018	9/7/2018	23820-001	25.0	20.0	45.8	48.3	104	116	5	75-125	20	--
Lead	9/6/2018	9/7/2018	9/7/2018	23820-001	8.50	20.0	26.6	34.5	91	130	26	75-125	20	M3,
Molybdenum	9/6/2018	9/7/2018	9/7/2018	23820-001	2.60	20.0	18.6	18.9	80	81	2	75-125	20	--
Nickel	9/6/2018	9/7/2018	9/7/2018	23820-001	18.0	20.0	37.2	38.0	96	100	2	75-125	20	--
Selenium	9/6/2018	9/7/2018	9/7/2018	23820-001	0.00	20.0	19.1	18.7	96	94	2	75-125	20	--
Silver	9/6/2018	9/7/2018	9/7/2018	23820-001	0.00	20.0	19.7	20.6	99	103	4	75-125	20	--
Thallium	9/6/2018	9/7/2018	9/7/2018	23820-001	0.00	20.0	10.7	11.7	53	58	9	75-125	20	M2,
Vanadium	9/6/2018	9/7/2018	9/7/2018	23820-001	54.0	20.0	72.6	74.9	93	105	3	75-125	20	--
Zinc	9/6/2018	9/7/2018	9/7/2018	23820-001	61.0	20.0	80.1	81.0	95	100	1	75-125	20	--
Antimony	9/6/2018	9/7/2018	9/7/2018	23820-021	0.00	20.0	1.12	1.43	6	7	24	75-125	20	M2, R2,
Arsenic	9/6/2018	9/7/2018	9/7/2018	23820-021	0.00	20.0	18.4	17.9	92	89	3	75-125	20	--
Barium	9/6/2018	9/7/2018	9/7/2018	23820-021	120	20.0	149	130	145	50	14	75-125	20	M3,
Beryllium	9/6/2018	9/7/2018	9/7/2018	23820-021	0.830	20.0	20.0	19.7	96	94	2	75-125	20	--
Cadmium	9/6/2018	9/7/2018	9/7/2018	23820-021	0.510	20.0	19.5	19.4	95	94	1	75-125	20	--
Chromium	9/6/2018	9/7/2018	9/7/2018	23820-021	27.0	20.0	45.2	46.3	91	96	2	75-125	20	--
Cobalt	9/6/2018	9/7/2018	9/7/2018	23820-021	14.0	20.0	33.6	33.7	98	99	0	75-125	20	--
Copper	9/6/2018	9/7/2018	9/7/2018	23820-021	26.0	20.0	46.6	47.8	103	109	3	75-125	20	--
Lead	9/6/2018	9/7/2018	9/7/2018	23820-021	7.50	20.0	24.7	25.5	86	90	3	75-125	20	--
Molybdenum	9/6/2018	9/7/2018	9/7/2018	23820-021	0.00	20.0	16.2	15.8	81	79	3	75-125	20	--
Nickel	9/6/2018	9/7/2018	9/7/2018	23820-021	18.0	20.0	36.9	37.0	95	95	0	75-125	20	--
Selenium	9/6/2018	9/7/2018	9/7/2018	23820-021	0.00	20.0	18.7	18.4	94	92	2	75-125	20	--
Silver	9/6/2018	9/7/2018	9/7/2018	23820-021	0.00	20.0	20.3	20.0	101	100	1	75-125	20	--
Thallium	9/6/2018	9/7/2018	9/7/2018	23820-021	0.00	20.0	11.1	10.2	56	51	8	75-125	20	M2,
Vanadium	9/6/2018	9/7/2018	9/7/2018	23820-021	57.0	20.0	76.6	77.9	98	105	2	75-125	20	--

QA/QC Report
for
Metals

Reference #: NAM 23820 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Analyte	Date of Extraction	MS Date of Analysis	MSD Date of Analysis	Laboratory Sample #	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Zinc	9/6/2018	9/7/2018	9/7/2018	23820-021	66.0	20.0	85.6	88.3	98	112	3	75-125	20	--
Mercury	9/7/2018	9/10/2018	9/10/2018	23820-001	0.00	1.00	0.975	0.928	98	93	5	80-120	20	--
Mercury	9/7/2018	9/10/2018	9/10/2018	23820-021	0.00	1.00	1.11	1.11	111	111	0	80-120	20	--

QA/QC Report
for
Metals

Reference #: NAM 23820 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Analyte	Date of Extraction	LCS Date of Analysis	LCSD Date of Analysis	Laboratory Sample #	SPC CONC	LCS	LCSD	%LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qual
Antimony	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	20.2	20.4	101	102	1	80-120	20	--
Arsenic	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	19.1	19.5	96	98	2	80-120	20	--
Barium	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	20.0	20.3	100	101	1	80-120	20	--
Beryllium	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	19.9	20.3	100	101	2	80-120	20	--
Cadmium	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	19.2	19.3	96	96	1	80-120	20	--
Chromium	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	20.2	20.4	101	102	1	80-120	20	--
Cobalt	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	21.4	21.6	107	108	1	80-120	20	--
Copper	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	20.5	20.7	102	104	1	80-120	20	--
Lead	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	20.1	20.3	100	101	1	80-120	20	--
Molybdenum	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	19.7	20.0	99	100	2	80-120	20	--
Nickel	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	22.0	21.1	110	106	4	80-120	20	--
Selenium	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	19.6	20.1	98	100	3	80-120	20	--
Silver	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	21.5	21.7	108	109	1	80-120	20	--
Thallium	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	20.3	20.7	101	104	2	80-120	20	--
Vanadium	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	20.2	20.4	101	102	1	80-120	20	--
Zinc	9/6/2018	9/7/2018	9/7/2018	IR0906181	20.0	19.7	19.8	99	99	1	80-120	20	--
Antimony	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	21.1	21.1	106	106	0	80-120	20	--
Arsenic	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	20.0	20.1	100	100	0	80-120	20	--
Barium	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	20.5	20.6	102	103	0	80-120	20	--
Beryllium	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	20.2	20.5	101	102	1	80-120	20	--
Cadmium	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	20.0	20.0	100	100	0	80-120	20	--
Chromium	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	20.7	20.7	104	104	0	80-120	20	--
Cobalt	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	22.0	22.1	110	111	0	80-120	20	--
Copper	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	20.9	21.1	104	106	1	80-120	20	--
Lead	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	20.8	20.6	104	103	1	80-120	20	--
Molybdenum	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	20.5	20.5	102	102	0	80-120	20	--
Nickel	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	22.7	21.5	113	108	5	80-120	20	--
Selenium	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	20.5	20.3	102	101	1	80-120	20	--
Silver	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	22.3	22.5	112	113	1	80-120	20	--
Thallium	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	21.6	21.5	108	108	0	80-120	20	--

QA/QC Report
for
Metals

Reference #: NAM 23820 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Analyte	Date of Extraction	LCS Date of Analysis	LCSD Date of Analysis	Laboratory Sample #	SPC CONC	LCS	LCSD	%LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qual
Vanadium	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	20.6	20.7	103	104	0	80-120	20	--
Zinc	9/6/2018	9/7/2018	9/7/2018	IR0906182	20.0	20.0	20.0	100	100	0	80-120	20	--
Mercury	9/7/2018	9/10/2018	9/10/2018	JV0907182	1.00	0.963	0.981	96	98	2	80-120	20	--
Mercury	9/7/2018	9/10/2018	9/10/2018	JV0907183	1.00	0.975	0.993	98	99	2	80-120	20	--

QA/QC Report
for
Metals

Reference #: NAM 23820 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7470A**

Analyte	Date of Extraction	MS Date of Analysis	MSD Date of Analysis	Laboratory Sample #	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Antimony	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.211	0.216	105	108	2	75-125	20	--
Arsenic	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.206	0.209	103	104	1	75-125	20	--
Barium	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.205	0.209	102	104	2	75-125	20	--
Beryllium	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.202	0.208	101	104	3	75-125	20	--
Cadmium	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.209	0.214	104	107	2	75-125	20	--
Chromium	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.202	0.206	101	103	2	75-125	20	--
Cobalt	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.230	0.234	115	117	2	75-125	20	--
Copper	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.213	0.218	106	109	2	75-125	20	--
Lead	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.207	0.210	103	105	1	75-125	20	--
Molybdenum	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.203	0.206	101	103	1	75-125	20	--
Nickel	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.223	0.227	112	113	2	75-125	20	--
Selenium	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.221	0.215	111	108	3	75-125	20	--
Silver	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.218	0.222	109	111	2	75-125	20	--
Thallium	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.215	0.219	108	109	2	75-125	20	--
Vanadium	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.203	0.206	101	103	1	75-125	20	--
Zinc	9/6/2018	9/7/2018	9/7/2018	23820-025	0.00	0.200	0.209	0.213	104	106	2	75-125	20	--
Mercury	9/8/2018	9/10/2018	9/10/2018	23820-025	0.00	0.00500	0.00341	0.00334	68	67	2	80-120	20	M2,

QA/QC Report
for
Metals

Reference #: NAM 23820

Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Analyte	Date of Extraction	LCS Date of Analysis	LCSD Date of Analysis	Laboratory Sample #	SPC CONC	LCS	LCSD	%LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qual
Antimony	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.210	0.214	105	107	2	80-120	20	--
Arsenic	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.200	0.203	100	101	1	80-120	20	--
Barium	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.202	0.207	101	103	2	80-120	20	--
Beryllium	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.198	0.200	99	100	1	80-120	20	--
Cadmium	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.206	0.212	103	106	3	80-120	20	--
Chromium	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.200	0.204	100	102	2	80-120	20	--
Cobalt	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.226	0.233	113	116	3	80-120	20	--
Copper	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.212	0.213	106	106	0	80-120	20	--
Lead	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.203	0.207	101	103	2	80-120	20	--
Molybdenum	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.198	0.205	99	102	3	80-120	20	--
Nickel	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.219	0.225	109	113	3	80-120	20	--
Selenium	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.204	0.209	102	104	2	80-120	20	--
Silver	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.217	0.219	108	109	1	80-120	20	--
Thallium	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.213	0.217	106	108	2	80-120	20	--
Vanadium	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.200	0.203	100	101	1	80-120	20	--
Zinc	9/6/2018	9/7/2018	9/7/2018	IR0906188	0.200	0.208	0.202	104	101	3	80-120	20	--
Mercury	9/8/2018	9/10/2018	9/10/2018	JV0908181	0.00500	0.00477	0.00483	95	97	1	80-120	20	--

Data Qualifier Definitions

Qualifier

M1 = Matrix spike recovery was high, the associated blank spike recovery was acceptable.

23820-001	8015B	EFH	MS/MSD
23820-019	8015B	EFH	MS

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

23820-001	6010B	Antimony	MS/MSD
23820-001	6010B	Thallium	MS/MSD
23820-021	6010B	Antimony	MS/MSD
23820-021	6010B	Thallium	MS/MSD
23820-025	6010B	Mercury	MS/MSD

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

23820-001	6010B	Barium	MS/MSD
23820-001	6010B	Lead	MS/MSD
23820-021	6010B	Barium	MS/MSD

R2 = RPD/RSD exceeded the laboratory acceptance limit.

23820-001	6010B	Antimony	MS/MSD
23820-021	6010B	Antimony	MS/MSD

S5 = Surrogate recovery was below laboratory acceptance limits.

23820-019	8015B	Octacosane	MS/MSD

Definition of terms:

R1	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.
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Phoenix, AZ 85040
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Lab Job No.: 23820 Page: 1 of 2

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	Alamitos Highs School
Send Report To:	Patrick Cullip & Denisse Hernandez	Project Number:	210808001
Email:	pcullip@ninyoandmoore.com	PO #:	210808001
Address:	475 Goddard Irvine, California	Address (City / State):	Los Alamitos, California
		EDD Required:	
Phone:	949 753 7070 Fax: 949-753-7071	Sampled By:	KMH

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard:
72 Hour: X
48 Hour:
24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	TPHg EPA Method 8015B	TPHg EPA Method 8015B/5035	TPHd, o EPA Method 8015B	VOCs EPA Method 8260B	VOCs EPA Method 8260B/5035	Title 22 Metals EPA Method 6010B/7471A					REMARKS / INSTRUCTIONS
1	B1-2'	1	9/5/18	0900	SOIL	4oz glass jar	X		X	X		X					
2	B1-5'			0911			X		X	X		X					
3	B2-2'			0935			X		X	X		X					
4	B2-5'			0940			X		X	X		X					
5	B3-2'			1015			X		X	X		X					
6	B3-5'			1023			X		X	X		X					
7	B4-2'			1100			X		X	X		X					
8	B4-5'			1110			X		X	X		X					
9	B9-2'			1215			X		X	X		X					
10	B9-5'			1225			X		X	X		X					
11	B8-2'			1255			X		X	X		X					
12	B8-5'			1300			X		X	X		X					
13	B10-2'			1340			X		X	X		X					
14	B10-5'			1345			X		X	X		X					

No. of Samples: 14 Method of Shipment: Preservative: (1 = Ice) 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
Kristin Hill	9/5/18	Jose Viveros	9/5/18
Company:	Time: 1620	Company:	Time: 16:20
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received For OCA By:	Date:
	Time:		Time:
Company:		Company:	

Sample Matrix:
GW - Groundwater
WW - Wastewater
SW - Stormwater
DW - Drinking Water
AQ - Aqueous
SS - Soil / Solid
OT - Other

Sample Integrity:
Intact: ✓ On Ice: (Yes) No @ 4.6°C

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.
3002 Dow Avenue, Suite 532
Tustin, CA 92780
Phone: (714) 832-0064 Fax: (714) 832-0067

www.ocalab.com
4620 East Elwood Street, Suite 4
Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 23820 Page: 2 of 2

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	Alamitos Highs School
Send Report To:	Patrick Cullip & Denisse Hernandez	Project Number:	210808001
Email:	pcullip@ninyoandmoore.com	PO #:	210808001
Address:	475 Goddard Irvine, California	Address (City / State):	Los Alamitos, California
		EDD Required:	
Phone:	949 753 7070 Fax: 949-753-7071	Sampled By:	KMH

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: ___ 72 Hour: X 48 Hour: ___ 24 Hour: ___

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	TPHg EPA Method 8015B	TPHg EPA Method 8015B/5035	TPHd, o EPA Method 8015B	VOCs EPA Method 8260B	VOCs EPA Method 8260B/5035	Title 22 Metals EPA Method 6010B/7471A				REMARKS / INSTRUCTIONS
15	B11-2'	1	9/5/18	1410	SOIL	1-4oz jar	X		X	X		X				
16	B11-5'			1415			X		X	X		X				
17	B20-2'			1520			X		X	X		X				
18	B20-5'			1530			X		X	X		X				
19	B19-2'			1540			X		X	X		X				
20	B19-5'			1552			X		X	X		X				
21	DUP-1			—			X		X	X		X				
22	DUP-2			—			X		X	X		X				
23	DUP-3			—			X		X	X		X				
24	DUP-4			—			X		X	X		X				
25	EB-090518	6		—	H_2O	various	X		X	X		X				

No. of Samples: 11 Method of Shipment:

Preservative: (1 = Ice) 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
Patrick Hip	9/5/18	Jesa Nwerex	9/5/18
Company:	Time: 1620	Company:	Time: 16:20
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received For OCA By:	Date:
	Time:		Time:
Company:		Company:	

Sample Matrix: GW - Groundwater; WW - Wastewater; SW - Stormwater; DW - Drinking Water; AQ - Aqueous; SS - Soil / Solid; OT - Other

Sample Integrity: Intact: ✓ On Ice (Yes) No @ 4.6 °C

Sample Receipt Report

Laboratory Reference NAM 23820 Logged in by MM

Received:	09/05/18 16:20	Company Name:	Ninyo & Moore
Method of Shipment:	Lab Pick-Up	Project Manager:	Mr. Patrick Cullip
Shipping Container:	Cooler	Project Name:	Alamitos High School
# Shipping Containers:	1	Project #:	210808001

Sample Quantity
24 Soil 1 Water

Chain of Custody	Complete ☑	Incomplete ☐	None ☐
Samples On Ice	Yes, Wet ☑	Yes, Blue ☐	No ☐
Temperature	4.6°C		
Shipping Intact	Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Samples Intact	Yes ☑		No ☐
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated	Yes ☐	N/A ☑	No ☐
Proper Test Containers	Yes ☑		No ☐
Proper Test Preservations	Yes ☑		No ☐
Samples Within Hold Times	Yes ☑		No ☐
VOAs Have Zero Headspace	Yes ☑	N/A ☐	No ☐
Sample Labels	Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.: 2576
Expiration Date: 2018
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:

Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 23825
Project Name:	Alamitos High School
Project Number:	210808001
Date Received:	9/6/2018
Date Reported:	9/11/2018
Chain of Custody Received:	☑
Analytical Method:	8015B, 8260B, 6010B, 7471A, 7470A,

Mark Noorani, Laboratory Director

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 2ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B21-2'	23825-001	9/6/2018	9/6/2018	Soil
B21-5'	23825-002	9/6/2018	9/6/2018	Soil
B21-10'	23825-003	9/6/2018	9/6/2018	Soil
B6-2'	23825-004	9/6/2018	9/6/2018	Soil
B6-5'	23825-005	9/6/2018	9/6/2018	Soil
B12-2'	23825-006	9/6/2018	9/6/2018	Soil
B12-5'	23825-007	9/6/2018	9/6/2018	Soil
B14-2'	23825-008	9/6/2018	9/6/2018	Soil
B14-5'	23825-009	9/6/2018	9/6/2018	Soil
B15-2'	23825-010	9/6/2018	9/6/2018	Soil
B15-5'	23825-011	9/6/2018	9/6/2018	Soil
B16-2'	23825-012	9/6/2018	9/6/2018	Soil
B16-5'	23825-013	9/6/2018	9/6/2018	Soil
B7-2'	23825-014	9/6/2018	9/6/2018	Soil
B7-5'	23825-015	9/6/2018	9/6/2018	Soil
B22-2'	23825-016	9/6/2018	9/6/2018	Soil
B22-5'	23825-017	9/6/2018	9/6/2018	Soil
B17-2'	23825-018	9/6/2018	9/6/2018	Soil
B17-5'	23825-019	9/6/2018	9/6/2018	Soil
B18-2'	23825-020	9/6/2018	9/6/2018	Soil
B18-5'	23825-021	9/6/2018	9/6/2018	Soil
B5-2'	23825-022	9/6/2018	9/6/2018	Soil
B5-5'	23825-023	9/6/2018	9/6/2018	Soil
B13-2'	23825-024	9/6/2018	9/6/2018	Soil
B13-5'	23825-025	9/6/2018	9/6/2018	Soil
EB-090618	23825-026	9/6/2018	9/6/2018	Water
Trip Blank	23825-027	9/6/2018	9/6/2018	Water

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-2'	23825-001	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	65
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-2'	23825-001	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	65
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-5'	23825-002	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	65
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-5'	23825-002	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	65
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-10'	23825-003	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	67
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-10'	23825-003	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	67

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-159 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B6-2'	23825-004	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	71

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-159 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B6-2'	23825-004	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	71

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-159 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B6-5'	23825-005	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	63

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-159 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B6-5'	23825-005	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	63

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-159 %

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B12-2'	23825-006	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	68
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B12-2'	23825-006	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	68
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B12-5'	23825-007	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	66
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B12-5'	23825-007	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	66
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B14-2'	23825-008	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	72
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B14-2'	23825-008	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	72
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B14-5'	23825-009	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	67
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B14-5'	23825-009	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	67
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B15-2'	23825-010	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	66
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B15-2'	23825-010	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	66
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B15-5'	23825-011	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	66
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B15-5'	23825-011	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	66
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B16-2'	23825-012	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	69
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B16-2'	23825-012	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	69
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B16-5'	23825-013	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	71
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B16-5'	23825-013	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	71

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B7-2'	23825-014	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	68

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B7-2'	23825-014	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	68

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B7-5'	23825-015	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	61

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B7-5'	23825-015	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	61

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B22-2'	23825-016	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	78
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B22-2'	23825-016	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	78
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B22-5'	23825-017	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	66
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B22-5'	23825-017	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	66
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B17-2'	23825-018	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	57
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B17-2'	23825-018	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	57
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B17-5'	23825-019	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	43
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B17-5'	23825-019	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	43
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B18-2'	23825-020	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	23
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: S5,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B18-2'	23825-020	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	23
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: S5,

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B18-5'	23825-021	9/6/2018	9/6/2018	9/7/2018	9/10/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	68
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B18-5'	23825-021	9/6/2018	9/6/2018	9/7/2018	9/10/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	68
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B5-2'	23825-022	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	70
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B5-2'	23825-022	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	70
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B5-5'	23825-023	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	68
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B5-5'	23825-023	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	68

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B13-2'	23825-024	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	67

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B13-2'	23825-024	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	67

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B13-5'	23825-025	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	67

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B13-5'	23825-025	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	67

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV0907181			9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	71
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV0907181			9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	71
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV0907182			9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	70
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV0907182			9/7/2018	9/9/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	70
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-2'	23825-001	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	127

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-5'	23825-002	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	0.24	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-10'	23825-003	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B6-2'	23825-004	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B6-5'	23825-005	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	84

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B12-2'	23825-006	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	74

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B12-5'	23825-007	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B14-2'	23825-008	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	84

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B14-5'	23825-009	9/6/2018	9/6/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	82

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B15-2'	23825-010	9/6/2018	9/6/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	82

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B15-5'	23825-011	9/6/2018	9/6/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B16-2'	23825-012	9/6/2018	9/6/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	87

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B16-5'	23825-013	9/6/2018	9/6/2018	9/6/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	82

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B7-2'	23825-014	9/6/2018	9/6/2018	9/7/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	87

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B7-5'	23825-015	9/6/2018	9/6/2018	9/7/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	84

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B22-2'	23825-016	9/6/2018	9/6/2018	9/7/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	73

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B22-5'	23825-017	9/6/2018	9/6/2018	9/7/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	79

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B17-2'	23825-018	9/6/2018	9/6/2018	9/7/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B17-5'	23825-019	9/6/2018	9/6/2018	9/7/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	84

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B18-2'	23825-020	9/6/2018	9/6/2018	9/7/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	79

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B18-5'	23825-021	9/6/2018	9/6/2018	9/7/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B5-2'	23825-022	9/6/2018	9/6/2018	9/7/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	81

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B5-5'	23825-023	9/6/2018	9/6/2018	9/7/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B13-2'	23825-024	9/6/2018	9/6/2018	9/7/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	76

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B13-5'	23825-025	9/6/2018	9/6/2018	9/7/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	82

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT0907181			9/7/2018	9/8/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	88

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBMN0906182			9/6/2018	9/7/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	92

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-2'	23825-001	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	99	42-139 %
Toluene-d8:	85	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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475 Goddard Ste 200
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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-5'	23825-002	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	98	42-139 %
Toluene-d8:	86	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Patrick Cullip
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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-10'	23825-003	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	42-139 %
Toluene-d8:	86	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B6-2'	23825-004	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	98	42-139 %
Toluene-d8:	84	55-130 %
4-Bromofluorobenzene:	74	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B6-5'	23825-005	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	96	42-139 %
Toluene-d8:	85	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Patrick Cullip
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Irvine, CA, 92618

Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B12-2'	23825-006	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	102	42-139 %
Toluene-d8:	84	55-130 %
4-Bromofluorobenzene:	74	55-130 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Patrick Cullip
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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B12-5'	23825-007	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	104	42-139 %
Toluene-d8:	86	55-130 %
4-Bromofluorobenzene:	74	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B14-2'	23825-008	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	98	42-139 %
Toluene-d8:	84	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B14-5'	23825-009	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	81	42-139 %
Toluene-d8:	85	55-130 %
4-Bromofluorobenzene:	85	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B15-2'	23825-010	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	85	42-139 %
Toluene-d8:	85	55-130 %
4-Bromofluorobenzene:	83	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B15-5'	23825-011	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	89	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	84	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B16-2'	23825-012	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	87	42-139 %
Toluene-d8:	89	55-130 %
4-Bromofluorobenzene:	83	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B16-5'	23825-013	9/6/2018	9/6/2018	9/6/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	89	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	81	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B7-2'	23825-014	9/6/2018	9/6/2018	9/7/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	86	42-139 %
Toluene-d8:	89	55-130 %
4-Bromofluorobenzene:	78	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B7-5'	23825-015	9/6/2018	9/6/2018	9/7/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	90	42-139 %
Toluene-d8:	89	55-130 %
4-Bromofluorobenzene:	80	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B22-2'	23825-016	9/6/2018	9/6/2018	9/7/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	88	42-139 %
Toluene-d8:	89	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B22-5'	23825-017	9/6/2018	9/6/2018	9/7/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	89	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B17-2'	23825-018	9/6/2018	9/6/2018	9/7/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	92	42-139 %
Toluene-d8:	87	55-130 %
4-Bromofluorobenzene:	74	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B17-5'	23825-019	9/6/2018	9/6/2018	9/7/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	91	42-139 %
Toluene-d8:	86	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B18-2'	23825-020	9/6/2018	9/6/2018	9/7/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	89	42-139 %
Toluene-d8:	89	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B18-5'	23825-021	9/6/2018	9/6/2018	9/7/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	89	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B5-2'	23825-022	9/6/2018	9/6/2018	9/7/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	94	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	78	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B5-5'	23825-023	9/6/2018	9/6/2018	9/7/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	91	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B13-2'	23825-024	9/6/2018	9/6/2018	9/7/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	91	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B13-5'	23825-025	9/6/2018	9/6/2018	9/7/2018	9/8/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	94	42-139 %
Toluene-d8:	87	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT0907181			9/7/2018	9/7/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	85	42-139 %
Toluene-d8:	88	55-130 %
4-Bromofluorobenzene:	79	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBMN0906182			9/6/2018	9/6/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	42-139 %
Toluene-d8:	87	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
EB-090618	23825-026	9/6/2018	9/6/2018	9/8/2018	9/8/2018	Water

ANALYTE	CAS #	µg/L	ANALYTE	CAS #	µg/L
t-Amyl methyl ether (TAME)	994-05-8	<1.0	trans-1,3-Dichloropropene	10061-02-6	<0.50
Benzene	71-43-2	<0.50	Diisopropyl ether (DIPE)	108-20-3	<1.0
Bromobenzene	108-86-1	<0.50	Ethyl t-butyl ether (ETBE)	637-92-3	<1.0
Bromochloromethane	74-97-5	<0.50	Ethylbenzene	100-41-4	<0.50
Bromodichloromethane	75-27-4	<1.0	Hexachlorobutadiene	87-68-3	<0.50
Bromoform	75-25-2	<0.50	Isopropylbenzene	98-82-8	<0.50
Bromomethane	74-83-9	<5.0	4-Isopropyltoluene	99-87-6	<0.50
tert-Butyl alcohol (TBA)	75-65-0	<10	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0
n-Butylbenzene	104-51-8	<0.50	Methylene chloride	75-09-2	<5.0
sec-Butylbenzene	135-98-8	<0.50	Naphthalene	91-20-3	<0.50
tert-Butylbenzene	98-06-6	<0.50	n-Propylbenzene	103-65-1	<0.50
Carbon tetrachloride	56-23-5	<0.50	Styrene	100-42-5	<0.50
Chlorobenzene	108-90-7	<0.50	1,1,1,2-Tetrachloroethane	630-20-6	<0.50
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<0.50
Chloroform	67-66-3	<0.50	Tetrachloroethene	127-18-4	<0.50
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<0.50
2-Chlorotoluene	95-49-8	<0.50	1,2,3-Trichlorobenzene	87-61-6	<0.50
4-Chlorotoluene	106-43-4	<0.50	1,2,4-Trichlorobenzene	120-82-1	<0.50
Dibromochloromethane	124-48-1	<0.50	1,1,1-Trichloroethane	71-55-6	<0.50
1,2-Dibromo-3-chloropropane	96-12-8	<2.0	1,1,2-Trichloroethane	79-00-5	<0.50
1,2-Dibromoethane	106-93-4	<0.50	Trichloroethene	79-01-6	<0.50
Dibromomethane	74-95-3	<0.50	Trichlorofluoromethane	75-69-4	<2.0
1,2-Dichlorobenzene	95-50-1	<0.50	1,2,3-Trichloropropane	96-18-4	<0.50
1,3-Dichlorobenzene	541-73-1	<0.50	1,2,4-Trimethylbenzene	95-63-6	<0.50
1,4-Dichlorobenzene	106-46-7	<0.50	1,3,5-Trimethylbenzene	108-67-8	<0.50
Dichlorodifluoromethane	75-71-8	<2.0	Vinyl Chloride	75-01-4	<0.50
1,1-Dichloroethane	75-34-3	<0.50	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<0.50			
1,1-Dichloroethene	75-35-4	<0.50			
cis-1,2-Dichloroethene	156-59-2	<0.50			
trans-1,2-Dichloroethene	156-60-5	<0.50			
1,2-Dichloropropane	78-87-5	<1.0			
1,3-Dichloropropane	142-28-9	<0.50			
2,2-Dichloropropane	594-20-7	<0.50			
1,1-Dichloropropene	563-58-6	<0.50			
cis-1,3-Dichloropropene	10061-01-5	<0.50			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	85	58-136 %
Toluene-d8:	78	54-130 %
4-Bromofluorobenzene:	67	52-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Trip Blank	23825-027	9/6/2018	9/6/2018	9/8/2018	9/8/2018	Water

ANALYTE	CAS #	µg/L	ANALYTE	CAS #	µg/L
t-Amyl methyl ether (TAME)	994-05-8	<1.0	trans-1,3-Dichloropropene	10061-02-6	<0.50
Benzene	71-43-2	<0.50	Diisopropyl ether (DIPE)	108-20-3	<1.0
Bromobenzene	108-86-1	<0.50	Ethyl t-butyl ether (ETBE)	637-92-3	<1.0
Bromochloromethane	74-97-5	<0.50	Ethylbenzene	100-41-4	<0.50
Bromodichloromethane	75-27-4	<1.0	Hexachlorobutadiene	87-68-3	<0.50
Bromoform	75-25-2	<0.50	Isopropylbenzene	98-82-8	<0.50
Bromomethane	74-83-9	<5.0	4-Isopropyltoluene	99-87-6	<0.50
tert-Butyl alcohol (TBA)	75-65-0	<10	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0
n-Butylbenzene	104-51-8	<0.50	Methylene chloride	75-09-2	<5.0
sec-Butylbenzene	135-98-8	<0.50	Naphthalene	91-20-3	<0.50
tert-Butylbenzene	98-06-6	<0.50	n-Propylbenzene	103-65-1	<0.50
Carbon tetrachloride	56-23-5	<0.50	Styrene	100-42-5	<0.50
Chlorobenzene	108-90-7	<0.50	1,1,1,2-Tetrachloroethane	630-20-6	<0.50
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<0.50
Chloroform	67-66-3	<0.50	Tetrachloroethene	127-18-4	<0.50
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<0.50
2-Chlorotoluene	95-49-8	<0.50	1,2,3-Trichlorobenzene	87-61-6	<0.50
4-Chlorotoluene	106-43-4	<0.50	1,2,4-Trichlorobenzene	120-82-1	<0.50
Dibromochloromethane	124-48-1	<0.50	1,1,1-Trichloroethane	71-55-6	<0.50
1,2-Dibromo-3-chloropropane	96-12-8	<2.0	1,1,2-Trichloroethane	79-00-5	<0.50
1,2-Dibromoethane	106-93-4	<0.50	Trichloroethene	79-01-6	<0.50
Dibromomethane	74-95-3	<0.50	Trichlorofluoromethane	75-69-4	<2.0
1,2-Dichlorobenzene	95-50-1	<0.50	1,2,3-Trichloropropane	96-18-4	<0.50
1,3-Dichlorobenzene	541-73-1	<0.50	1,2,4-Trimethylbenzene	95-63-6	<0.50
1,4-Dichlorobenzene	106-46-7	<0.50	1,3,5-Trimethylbenzene	108-67-8	<0.50
Dichlorodifluoromethane	75-71-8	<2.0	Vinyl Chloride	75-01-4	<0.50
1,1-Dichloroethane	75-34-3	<0.50	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<0.50			
1,1-Dichloroethene	75-35-4	<0.50			
cis-1,2-Dichloroethene	156-59-2	<0.50			
trans-1,2-Dichloroethene	156-60-5	<0.50			
1,2-Dichloropropane	78-87-5	<1.0			
1,3-Dichloropropane	142-28-9	<0.50			
2,2-Dichloropropane	594-20-7	<0.50			
1,1-Dichloropropene	563-58-6	<0.50			
cis-1,3-Dichloropropene	10061-01-5	<0.50			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	86	58-136 %
Toluene-d8:	78	54-130 %
4-Bromofluorobenzene:	66	52-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT0908181			9/8/2018	9/8/2018	Water

ANALYTE	CAS #	µg/L	ANALYTE	CAS #	µg/L
t-Amyl methyl ether (TAME)	994-05-8	<1.0	trans-1,3-Dichloropropene	10061-02-6	<0.50
Benzene	71-43-2	<0.50	Diisopropyl ether (DIPE)	108-20-3	<1.0
Bromobenzene	108-86-1	<0.50	Ethyl t-butyl ether (ETBE)	637-92-3	<1.0
Bromochloromethane	74-97-5	<0.50	Ethylbenzene	100-41-4	<0.50
Bromodichloromethane	75-27-4	<1.0	Hexachlorobutadiene	87-68-3	<0.50
Bromoform	75-25-2	<0.50	Isopropylbenzene	98-82-8	<0.50
Bromomethane	74-83-9	<5.0	4-Isopropyltoluene	99-87-6	<0.50
tert-Butyl alcohol (TBA)	75-65-0	<10	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0
n-Butylbenzene	104-51-8	<0.50	Methylene chloride	75-09-2	<5.0
sec-Butylbenzene	135-98-8	<0.50	Naphthalene	91-20-3	<0.50
tert-Butylbenzene	98-06-6	<0.50	n-Propylbenzene	103-65-1	<0.50
Carbon tetrachloride	56-23-5	<0.50	Styrene	100-42-5	<0.50
Chlorobenzene	108-90-7	<0.50	1,1,1,2-Tetrachloroethane	630-20-6	<0.50
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<0.50
Chloroform	67-66-3	<0.50	Tetrachloroethene	127-18-4	<0.50
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<0.50
2-Chlorotoluene	95-49-8	<0.50	1,2,3-Trichlorobenzene	87-61-6	<0.50
4-Chlorotoluene	106-43-4	<0.50	1,2,4-Trichlorobenzene	120-82-1	<0.50
Dibromochloromethane	124-48-1	<0.50	1,1,1-Trichloroethane	71-55-6	<0.50
1,2-Dibromo-3-chloropropane	96-12-8	<2.0	1,1,2-Trichloroethane	79-00-5	<0.50
1,2-Dibromoethane	106-93-4	<0.50	Trichloroethene	79-01-6	<0.50
Dibromomethane	74-95-3	<0.50	Trichlorofluoromethane	75-69-4	<2.0
1,2-Dichlorobenzene	95-50-1	<0.50	1,2,3-Trichloropropane	96-18-4	<0.50
1,3-Dichlorobenzene	541-73-1	<0.50	1,2,4-Trimethylbenzene	95-63-6	<0.50
1,4-Dichlorobenzene	106-46-7	<0.50	1,3,5-Trimethylbenzene	108-67-8	<0.50
Dichlorodifluoromethane	75-71-8	<2.0	Vinyl chloride	75-01-4	<0.50
1,1-Dichloroethane	75-34-3	<0.50	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<0.50			
1,1-Dichloroethene	75-35-4	<0.50			
cis-1,2-Dichloroethene	156-59-2	<0.50			
trans-1,2-Dichloroethene	156-60-5	<0.50			
1,2-Dichloropropane	78-87-5	<1.0			
1,3-Dichloropropane	142-28-9	<0.50			
2,2-Dichloropropane	594-20-7	<0.50			
1,1-Dichloropropene	563-58-6	<0.50			
cis-1,3-Dichloropropene	10061-01-5	<0.50			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	94	58-136 %
Toluene-d8:	83	54-130 %
4-Bromofluorobenzene:	70	52-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
EB-090618	23825-026	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Water

ANALYTE	mg/L	Surrogate:	% RC*
DROs	<0.10	Octacosane	72
		* Acc Recovery:	34-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
EB-090618	23825-026	9/6/2018	9/6/2018	9/7/2018	9/9/2018	Water

ANALYTE	mg/L	Surrogate:	% RC*
MROs	<0.30	Octacosane	72
		* Acc Recovery:	34-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV0907184			9/7/2018	9/9/2018	Water

ANALYTE	mg/L	Surrogate:	% RC*
DROs	<0.10	Octacosane	80
		* Acc Recovery:	34-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV0907184			9/7/2018	9/9/2018	Water

ANALYTE	mg/L	Surrogate:	% RC*
MROs	<0.30	Octacosane	80
		* Acc Recovery:	34-159 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
EB-090618	23825-026	9/6/2018	9/6/2018	9/9/2018	9/9/2018	Water

ANALYTE	µg/L	Surrogate:	% RC*
GROs[1]	<50	α-α-α-Trifluorotoluene	90

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 37-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBMN0909181			9/9/2018	9/9/2018	Water

ANALYTE	µg/L	Surrogate:	% RC*
GROs[1]	<50	α-α-α-Trifluorotoluene	90

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 37-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B21-2'	23825-001	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	6.4	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	140	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.75	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	1.0	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	29	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	14	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	31	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	17	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	23	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	61	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	80	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B21-5'	23825-002	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	5.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	160	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.75	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	0.68	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	28	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	14	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	34	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	39	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	21	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	57	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	81	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B21-10'	23825-003	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	3.8	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	240	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.86	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	0.65	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	33	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	20	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	41	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	11	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	3.2	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	27	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	63	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	73	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B6-2'	23825-004	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	76	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	15	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	9.0	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	14	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	3.9	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	12	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	35	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	38	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B6-5'	23825-005	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	100	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.52	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	20	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	12	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	19	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	5.0	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	15	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	45	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	54	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B12-2'	23825-006	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	4.6	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	130	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.72	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	0.65	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	27	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	15	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	31	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	8.5	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	1.5	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	21	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	57	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	64	mg/kg	09/07/18	09/10/18	--	1

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Irvine, CA, 92618

Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B12-5'	23825-007	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	110	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.54	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	21	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	12	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	20	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	5.2	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	15	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	47	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	56	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B14-2'	23825-008	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	3.7	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	140	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.50	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	23	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	12	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	29	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	10	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	18	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	45	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	72	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B14-5'	23825-009	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	2.4	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	150	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.61	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	0.51	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	26	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	14	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	30	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	6.8	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	20	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	50	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	60	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B15-2'	23825-010	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	4.9	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	120	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.68	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	0.51	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	25	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	14	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	26	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	7.5	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	0.60	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	1.5	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	20	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	51	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	60	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B15-5'	23825-011	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	120	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.55	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	0.51	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	22	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	12	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	24	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	6.2	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	17	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	48	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	57	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B16-2'	23825-012	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	4.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	99	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	17	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	9.3	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	18	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	3.6	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	13	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	32	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	37	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B16-5'	23825-013	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	150	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.64	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	0.76	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	25	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	13	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	39	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	13	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	19	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	49	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	100	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B7-2'	23825-014	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	200	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	17	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	7.1	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	9.1	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	3.5	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	10	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	32	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	34	mg/kg	09/07/18	09/10/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B7-5'	23825-015	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	94	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	18	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	10	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	18	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	3.9	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	14	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	38	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	42	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
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Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B22-2'	23825-016	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	68	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	17	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	8.9	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	13	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	6.4	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	11	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	36	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	45	mg/kg	09/07/18	09/10/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B22-5'	23825-017	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	3.2	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	130	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.57	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	0.54	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	24	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	14	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	28	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	5.4	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	19	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	56	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	58	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B17-2'	23825-018	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	69	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	12	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	7.7	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	13	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	3.2	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	9.9	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	27	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	32	mg/kg	09/07/18	09/10/18	--	1

Mr. Patrick Cullip
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Irvine, CA, 92618

Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B17-5'	23825-019	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	2.9	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	150	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.53	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	0.52	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	26	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	15	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	32	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	6.0	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	0.11	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	1.5	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	21	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	54	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	60	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B18-2'	23825-020	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	110	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	19	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	11	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	21	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	5.1	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	15	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	40	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	47	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B18-5'	23825-021	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	2.6	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	140	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.53	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	0.55	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	24	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	13	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	28	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	5.9	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	19	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	49	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	57	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B5-2'	23825-022	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	110	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.52	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	20	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	11	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	20	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	9.1	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	1.5	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	15	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	44	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	54	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B5-5'	23825-023	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	120	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.63	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	0.78	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	24	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	12	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	21	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	9.9	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	18	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	51	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	69	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
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Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B13-2'	23825-024	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	120	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.63	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	0.80	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	24	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	12	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	23	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	14	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	19	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	51	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	70	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B13-5'	23825-025	9/6/2018	9/6/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Arsenic	6010B	4.3	mg/kg	09/07/18	09/10/18	--	1
Barium	6010B	190	mg/kg	09/07/18	09/10/18	--	1
Beryllium	6010B	0.64	mg/kg	09/07/18	09/10/18	--	1
Cadmium	6010B	0.60	mg/kg	09/07/18	09/10/18	--	1
Chromium	6010B	29	mg/kg	09/07/18	09/10/18	--	1
Cobalt	6010B	16	mg/kg	09/07/18	09/10/18	--	1
Copper	6010B	37	mg/kg	09/07/18	09/10/18	--	1
Lead	6010B	7.5	mg/kg	09/07/18	09/10/18	--	1
Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
Molybdenum	6010B	1.9	mg/kg	09/07/18	09/10/18	--	1
Nickel	6010B	23	mg/kg	09/07/18	09/10/18	--	1
Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
Vanadium	6010B	56	mg/kg	09/07/18	09/10/18	--	1
Zinc	6010B	63	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0907184	Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Barium	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Beryllium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Cadmium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Chromium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Cobalt	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Copper	6010B	<5.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Lead	6010B	<0.80	mg/kg	09/07/18	09/10/18	--	1
MBJV0907184	Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Nickel	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Vanadium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
MBIR0907184	Zinc	6010B	<5.0	mg/kg	09/07/18	09/10/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0907185	Antimony	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Arsenic	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Barium	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Beryllium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Cadmium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Chromium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Cobalt	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Copper	6010B	<5.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Lead	6010B	<0.80	mg/kg	09/07/18	09/10/18	--	1
MBJV0907185	Mercury	7471A	<0.10	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Molybdenum	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Nickel	6010B	<1.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Selenium	6010B	<4.8	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Silver	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Thallium	6010B	<2.0	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Vanadium	6010B	<0.50	mg/kg	09/07/18	09/10/18	--	1
MBIR0907185	Zinc	6010B	<5.0	mg/kg	09/07/18	09/10/18	--	1

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Lab Reference #: NAM 23825
Project Name: Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
EB-090618	23825-026	9/6/2018	9/6/2018	Water

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<0.10	mg/L	09/07/18	09/10/18	--	1
Arsenic	6010B	<0.040	mg/L	09/07/18	09/10/18	--	1
Barium	6010B	<0.020	mg/L	09/07/18	09/10/18	--	1
Beryllium	6010B	<0.010	mg/L	09/07/18	09/10/18	--	1
Cadmium	6010B	<0.010	mg/L	09/07/18	09/10/18	--	1
Chromium	6010B	<0.010	mg/L	09/07/18	09/10/18	--	1
Cobalt	6010B	<0.050	mg/L	09/07/18	09/10/18	--	1
Copper	6010B	<0.10	mg/L	09/07/18	09/10/18	--	1
Lead	6010B	<0.040	mg/L	09/07/18	09/10/18	--	1
Mercury	7470A	<0.0010	mg/L	09/08/18	09/10/18	--	1
Molybdenum	6010B	<0.050	mg/L	09/07/18	09/10/18	--	1
Nickel	6010B	<0.020	mg/L	09/07/18	09/10/18	--	1
Selenium	6010B	<0.10	mg/L	09/07/18	09/10/18	--	1
Silver	6010B	<0.010	mg/L	09/07/18	09/10/18	--	1
Thallium	6010B	<0.10	mg/L	09/07/18	09/10/18	--	1
Vanadium	6010B	<0.010	mg/L	09/07/18	09/10/18	--	1
Zinc	6010B	<0.10	mg/L	09/07/18	09/10/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Water

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0907182	Antimony	6010B	<0.10	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Arsenic	6010B	<0.040	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Barium	6010B	<0.020	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Beryllium	6010B	<0.010	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Cadmium	6010B	<0.010	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Chromium	6010B	<0.010	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Cobalt	6010B	<0.050	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Copper	6010B	<0.10	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Lead	6010B	<0.040	mg/L	09/07/18	09/10/18	--	1
MBJV0908181	Mercury	7470A	<0.0010	mg/L	09/08/18	09/10/18	--	1
MBIR0907182	Molybdenum	6010B	<0.050	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Nickel	6010B	<0.020	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Selenium	6010B	<0.10	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Silver	6010B	<0.010	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Thallium	6010B	<0.10	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Vanadium	6010B	<0.010	mg/L	09/07/18	09/10/18	--	1
MBIR0907182	Zinc	6010B	<0.10	mg/L	09/07/18	09/10/18	--	1

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/7/2018
Date of Analysis: 9/9/2018
Dup Date of Analysis: 9/9/2018
Laboratory Sample #: 23825-001
MS/MSD Qualifiers: None
Reference #: NAM 23825

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	0.00	1000	1080	1080	108	108	0	59-164	26	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	66	68	☐

LCS	LCSD	Qual
74	74	☐

ACP % RC
40-159

Laboratory Control Sample

Date of Extraction: 9/7/2018
Date of Analysis: 9/9/2018
Dup Date of Analysis: 9/9/2018
Laboratory Sample #: AV0907181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1120	1120	112	112	0	70-132	20	☐

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/7/2018
Date of Analysis: 9/10/2018
Dup Date of Analysis: 9/10/2018
Laboratory Sample #: 23825-021
MS/MSD Qualifiers: None
Reference #: NAM 23825

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	0.00	1000	1080	1110	108	111	3	59-164	26	

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Octacosane	65	69		68	69		40-159

Laboratory Control Sample

Date of Extraction: 9/7/2018
Date of Analysis: 9/10/2018
Dup Date of Analysis: 9/10/2018
Laboratory Sample #: AV0907182
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1060	1050	106	105	1	70-132	20	

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/7/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: 23820-021
MS/MSD Qualifiers: None
Reference #: NAM 23825

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.151	0.151	60	60	0	42-130	20	

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
α-α-α-Trifluorotoluene	109	105		98	101		49-130

Laboratory Control Sample

Date of Extraction: 9/7/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: MN0907182
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.148	0.145	59	58	2	44-130	20	

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/8/2018
Date of Analysis: 9/8/2018
Dup Date of Analysis: 9/8/2018
Laboratory Sample #: 23825-009
MS/MSD Qualifiers: None
Reference #: NAM 23825

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.205	0.222	82	89	8	42-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	105	111	☐

LCS	LCSD	Qual
110	111	☐

ACP % RC
49-130

Laboratory Control Sample

Date of Extraction: 9/8/2018
Date of Analysis: 9/8/2018
Dup Date of Analysis: 9/8/2018
Laboratory Sample #: MN0908181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.223	0.225	89	90	1	44-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/7/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: 23825-001
MS/MSD Qualifiers: None
Reference #: NAM 23825

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	8.49	7.88	85	79	7	53-130	20	☐
Benzene	0.00	10.0	9.61	8.91	96	89	8	67-135	20	☐
Trichloroethene	0.00	10.0	11.1	10.2	111	102	8	70-130	20	☐
Toluene	0.00	10.0	11.6	10.7	116	107	8	69-130	20	☐
Chlorobenzene	0.00	10.0	11.0	10.4	110	104	6	70-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	98	99	☐	99	100	☐	42-139
Toluene-d8	83	87	☐	86	85	☐	55-130
4-Bromofluorobenzene	74	78	☐	77	76	☐	55-130

Laboratory Control Sample

Date of Extraction: 9/7/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: MN0907181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	8.87	8.91	89	89	0	54-130	20	☐
Benzene	10.0	9.90	9.93	99	99	0	66-137	20	☐
Trichloroethene	10.0	11.3	10.8	113	108	5	70-130	20	☐
Toluene	10.0	11.6	11.5	116	115	1	70-130	20	☐
Chlorobenzene	10.0	11.3	11.2	113	112	1	70-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/6/2018
Date of Analysis: 9/6/2018
Dup Date of Analysis: 9/6/2018
Laboratory Sample #: 23820-021
MS/MSD Qualifiers: None
Reference #: NAM 23825

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	7.99	8.13	80	81	2	53-130	20	☐
Benzene	0.00	10.0	9.73	9.55	97	96	2	67-135	20	☐
Trichloroethene	0.00	10.0	11.1	10.6	111	106	5	70-130	20	☐
Toluene	0.00	10.0	11.2	11.4	112	114	2	69-130	20	☐
Chlorobenzene	0.00	10.0	11.3	11.2	113	112	1	70-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	100	100	☐	100	98	☐	42-139
Toluene-d8	86	86	☐	86	87	☐	55-130
4-Bromofluorobenzene	75	76	☐	78	77	☐	55-130

Laboratory Control Sample

Date of Extraction: 9/6/2018
Date of Analysis: 9/6/2018
Dup Date of Analysis: 9/6/2018
Laboratory Sample #: MN0906182
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	7.56	8.07	76	81	7	54-130	20	☐
Benzene	10.0	9.15	9.04	91	90	1	66-137	20	☐
Trichloroethene	10.0	9.91	10.3	99	103	4	70-130	20	☐
Toluene	10.0	10.8	10.8	108	108	0	70-130	20	☐
Chlorobenzene	10.0	10.6	10.8	106	108	2	70-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/7/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: 23825-017
MS/MSD Qualifiers: None
Reference #: NAM 23825

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	8.14	7.06	81	71	14	53-130	20	☐
Benzene	0.00	10.0	10.0	9.48	100	95	5	67-135	20	☐
Trichloroethene	0.00	10.0	10.6	10.2	106	102	4	70-130	20	☐
Toluene	0.00	10.0	12.1	11.4	121	114	6	69-130	20	☐
Chlorobenzene	0.00	10.0	11.5	10.9	115	109	5	70-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	86	89	☐	87	90	☐	42-139
Toluene-d8	87	88	☐	87	87	☐	55-130
4-Bromofluorobenzene	78	76	☐	75	77	☐	55-130

Laboratory Control Sample

Date of Extraction: 9/7/2018
Date of Analysis: 9/7/2018
Dup Date of Analysis: 9/7/2018
Laboratory Sample #: HT0907181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	6.73	6.59	67	66	2	54-130	20	☐
Benzene	10.0	9.00	8.96	90	90	0	66-137	20	☐
Trichloroethene	10.0	9.47	9.19	95	92	3	70-130	20	☐
Toluene	10.0	10.4	10.5	104	105	1	70-130	20	☐
Chlorobenzene	10.0	10.2	10.3	102	103	1	70-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/8/2018
Date of Analysis: 9/8/2018
Dup Date of Analysis: 9/8/2018
Laboratory Sample #: 23820-025
MS/MSD Qualifiers: None
Reference #: NAM 23825

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	6.53	6.93	65	69	6	51-134	20	☐
Benzene	0.00	10.0	8.49	8.52	85	85	0	65-138	20	☐
Trichloroethene	0.00	10.0	9.50	9.50	95	95	0	70-133	20	☐
Toluene	0.00	10.0	10.6	10.2	106	102	4	67-130	20	☐
Chlorobenzene	0.00	10.0	10.6	10.0	106	100	6	70-131	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	82	86	☐	98	95	☐	58-136
Toluene-d8	79	77	☐	84	84	☐	54-130
4-Bromofluorobenzene	68	68	☐	75	73	☐	52-130

Laboratory Control Sample

Date of Extraction: 9/8/2018
Date of Analysis: 9/8/2018
Dup Date of Analysis: 9/8/2018
Laboratory Sample #: HT0908181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	8.25	7.69	82	77	7	55-130	20	☐
Benzene	10.0	9.92	9.58	99	96	3	65-134	20	☐
Trichloroethene	10.0	11.1	10.8	111	108	3	70-130	20	☐
Toluene	10.0	11.3	11.0	113	110	3	69-130	20	☐
Chlorobenzene	10.0	11.4	11.1	114	111	3	70-130	20	☐

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Date of Extraction: 9/7/2018
Date of Analysis: 9/9/2018
Dup Date of Analysis: 9/9/2018
Laboratory Sample #: AV0907184
LCS/LCSD Qualifiers: None
Reference #: NAM 23825

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	2.00	1.79	1.88	89	94	5	45-130	21	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	LCS	LCSD	Qual
Octacosane	74	84	☐

ACP % RC
34-159

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/9/2018
Date of Analysis: 9/9/2018
Dup Date of Analysis: 9/9/2018
Laboratory Sample #: 23820-025
MS/MSD Qualifiers: None
Reference #: NAM 23825

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	100	98.3	93.4	98	93	5	41-130	27	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
α-α-α-Trifluorotoluene	111	112	☐	119	118	☐	37-130

Laboratory Control Sample

Date of Extraction: 9/9/2018
Date of Analysis: 9/9/2018
Dup Date of Analysis: 9/9/2018
Laboratory Sample #: MN0909181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	100	103	103	103	103	0	45-130	23	☐

QA/QC Report
for
Metals

Reference #: NAM 23825 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Analyte	Date of Extraction	MS Date of Analysis	MSD Date of Analysis	Laboratory Sample #	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Antimony	9/7/2018	9/10/2018	9/10/2018	23825-001	0.00	20.0	1.43	1.28	7	6	11	75-125	20	M2,
Arsenic	9/7/2018	9/10/2018	9/10/2018	23825-001	6.40	20.0	23.6	15.7	86	46	40	75-125	20	M3,
Barium	9/7/2018	9/10/2018	9/10/2018	23825-001	140	20.0	149	95.6	45	0	44	75-125	20	M3,
Beryllium	9/7/2018	9/10/2018	9/10/2018	23825-001	0.750	20.0	20.3	12.7	98	60	46	75-125	20	M2, R2,
Cadmium	9/7/2018	9/10/2018	9/10/2018	23825-001	1.00	20.0	19.8	13.0	94	60	41	75-125	20	M2, R2,
Chromium	9/7/2018	9/10/2018	9/10/2018	23825-001	29.0	20.0	47.3	29.9	91	4	45	75-125	20	M3,
Cobalt	9/7/2018	9/10/2018	9/10/2018	23825-001	14.0	20.0	32.4	21.1	92	36	42	75-125	20	M3,
Copper	9/7/2018	9/10/2018	9/10/2018	23825-001	31.0	20.0	48.4	29.8	87	0	48	75-125	20	M3,
Lead	9/7/2018	9/10/2018	9/10/2018	23825-001	17.0	20.0	30.1	19.6	66	13	42	75-125	20	M3,
Mercury	9/7/2018	9/10/2018	9/10/2018	23825-001	0.00	1.00	1.13	1.23	113	123	8	80-120	20	M1,
Molybdenum	9/7/2018	9/10/2018	9/10/2018	23825-001	0.00	20.0	16.0	10.5	80	52	42	75-125	20	M2, R2,
Nickel	9/7/2018	9/10/2018	9/10/2018	23825-001	23.0	20.0	39.5	25.5	82	13	43	75-125	20	M3,
Selenium	9/7/2018	9/10/2018	9/10/2018	23825-001	0.00	20.0	17.8	12.1	89	61	38	75-125	20	M2, R2,
Silver	9/7/2018	9/10/2018	9/10/2018	23825-001	0.00	20.0	20.1	14.4	100	72	33	75-125	20	M2, R2,
Thallium	9/7/2018	9/10/2018	9/10/2018	23825-001	0.00	20.0	12.2	8.93	61	45	31	75-125	20	M2, R2,
Vanadium	9/7/2018	9/10/2018	9/10/2018	23825-001	61.0	20.0	78.9	50.0	90	0	45	75-125	20	M3,
Zinc	9/7/2018	9/10/2018	9/10/2018	23825-001	80.0	20.0	90.9	58.1	55	0	44	75-125	20	M3,
Antimony	9/7/2018	9/7/2018	9/7/2018	23825-021	0.00	20.0	1.81	1.16	9	6	44	75-125	20	M2, R2,
Arsenic	9/7/2018	9/7/2018	9/7/2018	23825-021	2.60	20.0	20.9	15.2	91	63	32	75-125	20	M2, R2,
Barium	9/7/2018	9/7/2018	9/7/2018	23825-021	140	20.0	170	119	150	0	35	75-125	20	M3,
Beryllium	9/7/2018	9/7/2018	9/7/2018	23825-021	0.530	20.0	20.2	13.6	98	65	39	75-125	20	M2, R2,
Cadmium	9/7/2018	9/7/2018	9/7/2018	23825-021	0.550	20.0	19.3	14.4	94	69	29	75-125	20	M2, R2,
Chromium	9/7/2018	9/7/2018	9/7/2018	23825-021	24.0	20.0	44.2	31.0	101	35	35	75-125	20	M3,
Cobalt	9/7/2018	9/7/2018	9/7/2018	23825-021	13.0	20.0	33.1	23.3	100	51	35	75-125	20	M3,
Copper	9/7/2018	9/7/2018	9/7/2018	23825-021	28.0	20.0	50.5	34.2	113	31	38	75-125	20	M3,
Lead	9/7/2018	9/7/2018	9/7/2018	23825-021	5.90	20.0	23.6	17.7	89	59	29	75-125	20	M3,
Mercury	9/7/2018	9/10/2018	9/10/2018	23825-021	0.00	1.00	0.889	0.833	89	83	7	80-120	20	--
Molybdenum	9/7/2018	9/7/2018	9/7/2018	23825-021	0.00	20.0	16.1	11.7	81	58	32	75-125	20	M2, R2,
Nickel	9/7/2018	9/7/2018	9/7/2018	23825-021	19.0	20.0	38.8	27.6	99	43	34	75-125	20	M3,
Selenium	9/7/2018	9/7/2018	9/7/2018	23825-021	0.00	20.0	18.6	13.2	93	66	34	75-125	20	M2, R2,
Silver	9/7/2018	9/7/2018	9/7/2018	23825-021	0.00	20.0	20.3	16.4	101	82	21	75-125	20	M2, R2,

QA/QC Report
for
Metals

Reference #: NAM 23825 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Analyte	Date of Extraction	MS Date of Analysis	MSD Date of Analysis	Laboratory Sample #	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Thallium	9/7/2018	9/7/2018	9/7/2018	23825-021	0.00	20.0	11.6	10.3	58	51	12	75-125	20	M2,
Vanadium	9/7/2018	9/7/2018	9/7/2018	23825-021	49.0	20.0	71.8	50.2	114	6	35	75-125	20	M3,
Zinc	9/7/2018	9/7/2018	9/7/2018	23825-021	57.0	20.0	78.4	57.0	107	0	32	75-125	20	M3,

QA/QC Report
for
Metals

Reference #: NAM 23825 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Analyte	Date of Extraction	LCS Date of Analysis	LCSD Date of Analysis	Laboratory Sample #	SPC CONC	LCS	LCSD	%LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qual
Antimony	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	20.5	22.0	102	110	7	80-120	20	--
Arsenic	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	19.0	20.9	95	104	10	80-120	20	--
Barium	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	20.1	21.3	100	106	6	80-120	20	--
Beryllium	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	20.7	21.5	104	108	4	80-120	20	--
Cadmium	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	19.5	20.8	98	104	6	80-120	20	--
Chromium	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	20.6	21.8	103	109	6	80-120	20	--
Cobalt	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	21.8	23.2	109	116	6	80-120	20	--
Copper	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	20.4	22.6	102	113	10	80-120	20	--
Lead	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	20.4	21.7	102	109	6	80-120	20	--
Molybdenum	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	20.0	21.6	100	108	8	80-120	20	--
Nickel	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	22.0	22.6	110	113	3	80-120	20	--
Selenium	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	19.3	21.0	96	105	8	80-120	20	--
Silver	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	22.1	23.0	111	115	4	80-120	20	--
Thallium	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	20.2	21.9	101	110	8	80-120	20	--
Vanadium	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	20.5	21.4	102	107	4	80-120	20	--
Zinc	9/7/2018	9/10/2018	9/10/2018	IR0907184	20.0	19.6	21.3	98	106	8	80-120	20	--
Antimony	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	21.2	20.8	106	104	2	80-120	20	--
Arsenic	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	20.1	20.3	100	101	1	80-120	20	--
Barium	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	21.3	20.7	106	104	3	80-120	20	--
Beryllium	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	21.1	21.2	106	106	0	80-120	20	--
Cadmium	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	20.1	20.0	100	100	0	80-120	20	--
Chromium	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	21.2	21.0	106	105	1	80-120	20	--
Cobalt	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	22.5	22.4	113	112	0	80-120	20	--
Copper	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	21.0	21.0	105	105	0	80-120	20	--
Lead	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	20.9	20.7	104	104	1	80-120	20	--
Molybdenum	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	20.6	20.5	103	102	0	80-120	20	--
Nickel	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	21.9	22.7	110	113	4	80-120	20	--
Selenium	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	20.1	20.0	100	100	0	80-120	20	--
Silver	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	22.8	22.7	114	113	0	80-120	20	--
Thallium	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	20.7	20.6	104	103	0	80-120	20	--

QA/QC Report
for
Metals

Reference #: NAM 23825 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Analyte	Date of Extraction	LCS Date of Analysis	LCSD Date of Analysis	Laboratory Sample #	SPC CONC	LCS	LCSD	%LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qual
Vanadium	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	21.0	20.8	105	104	1	80-120	20	--
Zinc	9/7/2018	9/7/2018	9/7/2018	IR0907185	20.0	20.7	20.5	104	102	1	80-120	20	--
Mercury	9/7/2018	9/10/2018	9/10/2018	JV0907184	1.00	0.964	0.970	96	97	1	80-120	20	--
Mercury	9/7/2018	9/10/2018	9/10/2018	JV0907185	1.00	0.963	1.08	96	108	11	80-120	20	--

QA/QC Report
for
Metals

Reference #: NAM 23825 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7470A**

Analyte	Date of Extraction	MS Date of Analysis	MSD Date of Analysis	Laboratory Sample #	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Antimony	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.207	0.205	103	102	1	75-125	20	--
Arsenic	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.203	0.201	101	100	1	75-125	20	--
Barium	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.200	0.200	100	100	0	75-125	20	--
Beryllium	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.209	0.207	104	103	1	75-125	20	--
Cadmium	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.207	0.209	103	104	1	75-125	20	--
Chromium	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.203	0.204	101	102	0	75-125	20	--
Cobalt	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.224	0.225	112	113	0	75-125	20	--
Copper	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.204	0.205	102	102	0	75-125	20	--
Lead	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.204	0.207	102	103	1	75-125	20	--
Molybdenum	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.198	0.200	99	100	1	75-125	20	--
Nickel	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.221	0.222	111	111	0	75-125	20	--
Selenium	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.184	0.214	92	107	15	75-125	20	--
Silver	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.220	0.222	110	111	1	75-125	20	--
Thallium	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.207	0.206	103	103	0	75-125	20	--
Vanadium	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.205	0.205	102	102	0	75-125	20	--
Zinc	9/7/2018	9/10/2018	9/10/2018	23825-026	0.00	0.200	0.208	0.208	104	104	0	75-125	20	--
Mercury	9/8/2018	9/10/2018	9/10/2018	23820-025	0.00	0.00500	0.00341	0.00334	68	67	2	80-120	20	M2,

QA/QC Report
for
Metals

Reference #: NAM 23825

Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Analyte	Date of Extraction	LCS Date of Analysis	LCSD Date of Analysis	Laboratory Sample #	SPC CONC	LCS	LCSD	%LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qual
Antimony	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.208	0.203	104	101	2	80-120	20	--
Arsenic	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.200	0.196	100	98	2	80-120	20	--
Barium	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.199	0.197	100	98	1	80-120	20	--
Beryllium	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.202	0.204	101	102	1	80-120	20	--
Cadmium	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.209	0.205	104	102	2	80-120	20	--
Chromium	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.204	0.201	102	100	1	80-120	20	--
Cobalt	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.225	0.222	113	111	1	80-120	20	--
Copper	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.206	0.202	103	101	2	80-120	20	--
Lead	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.208	0.207	104	103	0	80-120	20	--
Molybdenum	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.199	0.197	100	98	1	80-120	20	--
Nickel	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.222	0.218	111	109	2	80-120	20	--
Selenium	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.207	0.195	103	97	6	80-120	20	--
Silver	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.206	0.217	103	108	5	80-120	20	--
Thallium	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.210	0.202	105	101	4	80-120	20	--
Vanadium	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.204	0.202	102	101	1	80-120	20	--
Zinc	9/7/2018	9/10/2018	9/10/2018	IR0907182	0.200	0.216	0.210	108	105	3	80-120	20	--
Mercury	9/8/2018	9/10/2018	9/10/2018	JV0908181	0.00500	0.00477	0.00483	95	97	1	80-120	20	--

Data Qualifier Definitions

Qualifier

M1 = Matrix spike recovery was high, the associated blank spike recovery was acceptable.

23825-001	6010B	Mercury	MSD

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

23820-025	6010B	Mercury	MS/MSD
23825-001	6010B	Antimony	MS/MSD
23825-001	6010B	Beryllium	MSD
23825-001	6010B	Cadmium	MSD
23825-001	6010B	Molybdenum	MSD
23825-001	6010B	Selenium	MSD
23825-001	6010B	Silver	MSD
23825-001	6010B	Thallium	MS/MSD
23825-021	6010B	Antimony	MS/MSD
23825-021	6010B	Arsenic	MSD
23825-021	6010B	Beryllium	MSD
23825-021	6010B	Cadmium	MSD
23825-021	6010B	Molybdenum	MSD
23825-021	6010B	Selenium	MSD
23825-021	6010B	Silver	MSD
23825-021	6010B	Thallium	MS/MSD

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

23825-001	6010B	Arsenic	MS/MSD
23825-001	6010B	Barium	MS/MSD
23825-001	6010B	Chromium	MS/MSD
23825-001	6010B	Chromium	MSD
23825-001	6010B	Cobalt	MS/MSD
23825-001	6010B	Cobalt	MSD
23825-001	6010B	Copper	MS/MSD
23825-001	6010B	Copper	MSD
23825-001	6010B	Lead	MS/MSD
23825-001	6010B	Nickel	MS/MSD
23825-001	6010B	Vanadium	MS/MSD
23825-001	6010B	Vanadium	MSD
23825-001	6010B	Zinc	MS/MSD
23825-021	6010B	Barium	MS/MSD
23825-021	6010B	Chromium	MS/MSD
23825-021	6010B	Chromium	MSD
23825-021	6010B	Cobalt	MS/MSD
23825-021	6010B	Cobalt	MSD
23825-021	6010B	Copper	MS/MSD
23825-021	6010B	Lead	MS/MSD
23825-021	6010B	Nickel	MS/MSD
23825-021	6010B	Nickel	MSD
23825-021	6010B	Vanadium	MS/MSD
23825-021	6010B	Zinc	MS/MSD

R2 = RPD/RSD exceeded the laboratory acceptance limit.

23825-001	6010B	Beryllium	MS/MSD
23825-001	6010B	Cadmium	MS/MSD

Data Qualifier Definitions

Qualifier

23825-001	6010B	Molybdenum	MS/MSD
23825-001	6010B	Selenium	MS/MSD
23825-001	6010B	Silver	MS/MSD
23825-001	6010B	Thallium	MS/MSD
23825-021	6010B	Antimony	MS/MSD
23825-021	6010B	Arsenic	MS/MSD
23825-021	6010B	Beryllium	MS/MSD
23825-021	6010B	Cadmium	MS/MSD
23825-021	6010B	Molybdenum	MS/MSD
23825-021	6010B	Selenium	MS/MSD
23825-021	6010B	Silver	MS/MSD

S5 = Surrogate recovery was below laboratory acceptance limits.

Definition of terms:

R1	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.
3002 Dow Avenue, Suite 532
Tustin, CA 92780
Phone: (714) 832-0064 Fax: (714) 832-0067

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Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 23825 Page: 1 of 2

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	Alamitos Highs School
Send Report To:	Patrick Cullip & Denisse Hernandez	Project Number:	210808001
Email:	pcullip@ninyoandmoore.com	PO #:	210808001
Address:	475 Goddard Irvine, California	Address (City / State):	Los Alamitos, California
		EDD Required:	
Phone:	949 753 7070 Fax: 949-753-7071	Sampled By:	KMH

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: ___ 72 Hour: X 48 Hour: ___ 24 Hour: ___

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	TPHg EPA Method 8015B	TPHg EPA Method 8015B/5035	TPHd, o EPA Method 8015B	VOCs EPA Method 8260B	VOCs EPA Method 8260B/5035	Title 22 Metals EPA Method 6010B/7471A					REMARKS / INSTRUCTIONS
1	B21-2'	5	9/6/18	0740	SOIL	1-6" sleeve 4 VOAs		X	X		X	X					
2	B21-5'	5	↓	0750	↓	↓		X	X		X	X					
3	B21-10'	5		0808				X	X		X	X					
4	B6-2'	1		0858		1-4oz glass jar	X		X	X		X					
5	B6-5'			0903			X		X	X		X					
6	B12-2'			0940			X		X	X		X					
7	B12-5'			0950			X		X	X		X					
8	B14-2'			1020			X		X	X		X					
9	B14-5'			1025			X		X	X		X					
10	B15-2'			1050			X		X	X		X					
11	B15-5'			1055			X		X	X		X					
12	B16-2'			1120			X		X	X		X					
13	B16-5'			1125			X		X	X		X					
14	B7-2'	↓	↓	1200	↓	↓	X		X	X		X					

No. of Samples: 14 Method of Shipment: Courier

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Time:	Company:	Received By:	Date:	Time:	Company:
Kristin Hip	9/6/18	1550		Joe Vuevez	09/06/18	15:50	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity:
Intact: ___ On Ice: Yes No @ 2 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.
3002 Dow Avenue, Suite 532
Tustin, CA 92780
Phone: (714) 832-0064 Fax: (714) 832-0067

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Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 23825 Page: 2 of 2

CUSTOMER INFORMATION

Company: Ninyo & Moore
Send Report To: Patrick Cullip & Denisse Hernandez
Email: pcullip@ninyoandmoore.com
Address: 475 Goddard
Irvine, California
Phone: 949 753 7070 Fax: 949-753-7071

PROJECT INFORMATION

Project Name: Alamitos Highs School
Project Number: 210808001
PO #: 210808001
Address (City / State): Los Alamitos, California
EDD Required:
Sampled By: KMH

REQUESTED TURN-AROUND-TIME

Standard:
72 Hour: X
48 Hour:
24 Hour:

ANALYSIS REQUEST / PRESERVATION

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	TPHg EPA Method 8015B	TPHg EPA Method 8015B/5035	TPHd, o EPA Method 8015B	VOCs EPA Method 8260B	VOCs EPA Method 8260B/5035	Title 22 Metals EPA Method 6010B/7471A					REMARKS / INSTRUCTIONS
15	B7-5'	1	9/6/18	1204	SOIL	1-4oz jar	X		X	X		X					
16	B22-2'			1255			X		X	X		X					
17	B22-5'			1300			X		X	X		X					
18	B17-2'			1318			X		X	X		X					
19	B17-5'			1323			X		X	X		X					
20	B18-2'			1340			X		X	X		X					
21	B18-5'			1348			X		X	X		X					
22	B5-2'			1418			X		X	X		X					
23	B5-5'			1425			X		X	X		X					
24	B13-2'						X		X	X		X					
25	B13-5'						X		X	X		X					
26	EB-090618	6		—	H_2O	Various	X		X	X		X					
27	Trip Blank	2		—	H_2O	VOAs				X							

No. of Samples: 13 Method of Shipment: Courier

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Received By:
Date: Time: Company:	Date: 9/6/18 Time: 1550 Company:
Relinquished By: Date: Time: Company:	Received By: Date: 9/6/18 Time: 1550 Company:
Relinquished By: Date: Time: Company:	Received For OCA By: Date: Time: Company:

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity:
Intact: ____ On Ice: Yes / No @ 2 °C

Sample Receipt Report

Laboratory Reference NAM 23825 Logged in by MM

Received:	09/06/18 15:50	Company Name:	Ninyo & Moore
Method of Shipment:	Lab Pick-Up	Project Manager:	Mr. Patrick Cullip
Shipping Container:	Cooler	Project Name:	Alamitos High School
# Shipping Containers:	1	Project #:	210808001

Sample Quantity
25 Soil 2 Water

Chain of Custody	Complete ☑	Incomplete ☐	None ☐
Samples On Ice	Yes, Wet ☑	Yes, Blue ☐	No ☐
Temperature	2°C		
Shipping Intact	Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Samples Intact	Yes ☑		No ☐
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated	Yes ☐	N/A ☑	No ☐
Proper Test Containers	Yes ☑		No ☐
Proper Test Preservations	Yes ☑		No ☐
Samples Within Hold Times	Yes ☑		No ☐
VOAs Have Zero Headspace	Yes ☑	N/A ☐	No ☐
Sample Labels	Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

Orange Coast Analytical, Inc.
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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.: 2576
Expiration Date: 2018
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:

Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 23900
Project Name:	Los Alamitos High School
Project Number:	210808001
Date Received:	10/12/2018
Date Reported:	10/15/2018
Chain of Custody Received:	☑
Analytical Method:	8015B, 8260B, 6010B, 7471A,

Mark Noorani, Laboratory Director

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 4ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B23-2	23900-001	10/12/2018	10/12/2018	Soil
B23-5	23900-002	10/12/2018	10/12/2018	Soil
B24-2	23900-003	10/12/2018	10/12/2018	Soil
B24-5	23900-004	10/12/2018	10/12/2018	Soil
DUP-5	23900-005	10/12/2018	10/12/2018	Soil

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B23-2	23900-001	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	53
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B23-2	23900-001	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	31	Octacosane	53
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B23-5	23900-002	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	45	Octacosane	42
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B23-5	23900-002	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	160	Octacosane	42
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

B24-2	23900-003	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	77
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B24-2	23900-003	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	31	Octacosane	77

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 40-159 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B24-5	23900-004	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	96

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 40-159 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B24-5	23900-004	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	96

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 40-159 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-5	23900-005	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	72

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 40-159 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-5	23900-005	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	30	Octacosane	72

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 40-159 %

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Project Name: Los Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV1015181			10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	80

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV1015181			10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	80

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Project Name: Los Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B23-2	23900-001	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	91

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B23-5	23900-002	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	91

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B24-2	23900-003	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	96

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B24-5	23900-004	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	80

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-5	23900-005	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	89

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1015181			10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg
GROs[1]	<0.20

Surrogate:	% RC*
α-α-α-Trifluorotoluene	85

* Acceptable Recovery: 49-130 %

Dilution Factor: 1
Data Qualifiers: None

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B23-2	23900-001	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	97	42-139 %
Toluene-d8:	84	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B23-5	23900-002	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	97	42-139 %
Toluene-d8:	83	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B24-2	23900-003	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	99	42-139 %
Toluene-d8:	85	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B24-5	23900-004	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	98	42-139 %
Toluene-d8:	84	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Patrick Cullip
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Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-5	23900-005	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	98	42-139 %
Toluene-d8:	84	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT1013181			10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	94	42-139 %
Toluene-d8:	83	55-130 %
4-Bromofluorobenzene:	73	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B23-2	23900-001	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Barium	6010B	100	mg/kg	10/15/18	10/15/18	--	1
Beryllium	6010B	0.65	mg/kg	10/15/18	10/15/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
Chromium	6010B	22	mg/kg	10/15/18	10/15/18	--	1
Cobalt	6010B	13	mg/kg	10/15/18	10/15/18	--	1
Copper	6010B	18	mg/kg	10/15/18	10/15/18	--	1
Lead	6010B	6.1	mg/kg	10/15/18	10/15/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/15/18	--	1
Molybdenum	6010B	1.7	mg/kg	10/15/18	10/15/18	--	1
Nickel	6010B	16	mg/kg	10/15/18	10/15/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/15/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Vanadium	6010B	49	mg/kg	10/15/18	10/15/18	--	1
Zinc	6010B	64	mg/kg	10/15/18	10/15/18	--	1

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Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B23-5	23900-002	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Barium	6010B	78	mg/kg	10/15/18	10/15/18	--	1
Beryllium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
Chromium	6010B	19	mg/kg	10/15/18	10/15/18	--	1
Cobalt	6010B	9.7	mg/kg	10/15/18	10/15/18	--	1
Copper	6010B	16	mg/kg	10/15/18	10/15/18	--	1
Lead	6010B	6.0	mg/kg	10/15/18	10/15/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/15/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/15/18	--	1
Nickel	6010B	14	mg/kg	10/15/18	10/15/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/15/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Vanadium	6010B	38	mg/kg	10/15/18	10/15/18	--	1
Zinc	6010B	45	mg/kg	10/15/18	10/15/18	--	1

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Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B24-2	23900-003	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Barium	6010B	110	mg/kg	10/15/18	10/15/18	--	1
Beryllium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
Chromium	6010B	20	mg/kg	10/15/18	10/15/18	--	1
Cobalt	6010B	12	mg/kg	10/15/18	10/15/18	--	1
Copper	6010B	22	mg/kg	10/15/18	10/15/18	--	1
Lead	6010B	4.8	mg/kg	10/15/18	10/15/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/15/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/15/18	--	1
Nickel	6010B	16	mg/kg	10/15/18	10/15/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/15/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Vanadium	6010B	45	mg/kg	10/15/18	10/15/18	--	1
Zinc	6010B	49	mg/kg	10/15/18	10/15/18	--	1

Mr. Patrick Cullip
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Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B24-5	23900-004	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Arsenic	6010B	5.8	mg/kg	10/15/18	10/15/18	--	1
Barium	6010B	260	mg/kg	10/15/18	10/15/18	--	1
Beryllium	6010B	0.89	mg/kg	10/15/18	10/15/18	--	1
Cadmium	6010B	0.65	mg/kg	10/15/18	10/15/18	--	1
Chromium	6010B	30	mg/kg	10/15/18	10/15/18	--	1
Cobalt	6010B	17	mg/kg	10/15/18	10/15/18	--	1
Copper	6010B	47	mg/kg	10/15/18	10/15/18	--	1
Lead	6010B	9.8	mg/kg	10/15/18	10/15/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/15/18	--	1
Molybdenum	6010B	1.0	mg/kg	10/15/18	10/15/18	--	1
Nickel	6010B	23	mg/kg	10/15/18	10/15/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/15/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Vanadium	6010B	64	mg/kg	10/15/18	10/15/18	--	1
Zinc	6010B	74	mg/kg	10/15/18	10/15/18	--	1

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Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DUP-5	23900-005	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Barium	6010B	110	mg/kg	10/15/18	10/15/18	--	1
Beryllium	6010B	0.64	mg/kg	10/15/18	10/15/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
Chromium	6010B	23	mg/kg	10/15/18	10/15/18	--	1
Cobalt	6010B	13	mg/kg	10/15/18	10/15/18	--	1
Copper	6010B	21	mg/kg	10/15/18	10/15/18	--	1
Lead	6010B	7.3	mg/kg	10/15/18	10/15/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/15/18	--	1
Molybdenum	6010B	1.9	mg/kg	10/15/18	10/15/18	--	1
Nickel	6010B	17	mg/kg	10/15/18	10/15/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/15/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
Vanadium	6010B	50	mg/kg	10/15/18	10/15/18	--	1
Zinc	6010B	62	mg/kg	10/15/18	10/15/18	--	1

Mr. Patrick Cullip
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Lab Reference #: NAM 23900
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR1015181	Antimony	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Arsenic	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Barium	6010B	<1.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Beryllium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Cadmium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Chromium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Cobalt	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Copper	6010B	<5.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Lead	6010B	<0.80	mg/kg	10/15/18	10/15/18	--	1
MBSG1015181	Mercury	7471A	<0.10	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Nickel	6010B	<1.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Selenium	6010B	<4.8	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Silver	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Thallium	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Vanadium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Zinc	6010B	<5.0	mg/kg	10/15/18	10/15/18	--	1

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/15/2018
Date of Analysis: 10/15/2018
Dup Date of Analysis: 10/15/2018
Laboratory Sample #: 23900-001
MS/MSD Qualifiers: None
Reference #: NAM 23900

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	0.00	1000	885	745	88	75	17	59-164	26	

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Octacosane	60	49		89	83		40-159

Laboratory Control Sample

Date of Extraction: 10/15/2018
Date of Analysis: 10/15/2018
Dup Date of Analysis: 10/15/2018
Laboratory Sample #: AV1015181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1230	1080	123	108	13	70-132	20	

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/15/2018
Date of Analysis: 10/15/2018
Dup Date of Analysis: 10/15/2018
Laboratory Sample #: 23900-001
MS/MSD Qualifiers: None
Reference #: NAM 23900

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.159	0.169	64	68	6	42-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	112	110	☐

LCS	LCSD	Qual
123	120	☐

ACP % RC
49-130

Laboratory Control Sample

Date of Extraction: 10/15/2018
Date of Analysis: 10/15/2018
Dup Date of Analysis: 10/15/2018
Laboratory Sample #: TS1015181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.168	0.202	67	81	18	44-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/13/2018
Date of Analysis: 10/13/2018
Dup Date of Analysis: 10/13/2018
Laboratory Sample #: 23900-001
MS/MSD Qualifiers: None
Reference #: NAM 23900

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	9.15	8.63	91	86	6	53-130	20	☐
Benzene	0.00	10.0	10.2	9.80	102	98	4	67-135	20	☐
Trichloroethene	0.00	10.0	11.1	10.9	111	109	2	70-130	20	☐
Toluene	0.00	10.0	11.2	10.8	112	108	4	69-130	20	☐
Chlorobenzene	0.00	10.0	11.0	10.9	110	109	1	70-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	94	95	☐	96	99	☐	42-139
Toluene-d8	85	85	☐	83	85	☐	55-130
4-Bromofluorobenzene	78	77	☐	75	75	☐	55-130

Laboratory Control Sample

Date of Extraction: 10/13/2018
Date of Analysis: 10/13/2018
Dup Date of Analysis: 10/13/2018
Laboratory Sample #: HT1013181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	9.00	8.79	90	88	2	54-130	20	☐
Benzene	10.0	9.87	9.34	99	93	6	66-137	20	☐
Trichloroethene	10.0	10.5	10.4	105	104	1	70-130	20	☐
Toluene	10.0	10.6	10.7	106	107	1	70-130	20	☐
Chlorobenzene	10.0	10.6	10.4	106	104	2	70-130	20	☐

QA/QC Report
for
Metals

Reference #: NAM 23900 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Analyte	Date of Extraction	MS Date of Analysis	MSD Date of Analysis	Laboratory Sample #	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Antimony	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	20.0	4.91	4.36	25	22	12	75-125	20	M2,
Arsenic	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	20.0	20.0	19.4	100	97	3	75-125	20	--
Barium	10/15/2018	10/15/2018	10/15/2018	23900-001	100	20.0	129	126	145	130	2	75-125	20	M3,
Beryllium	10/15/2018	10/15/2018	10/15/2018	23900-001	0.650	20.0	19.5	19.4	94	94	1	75-125	20	--
Cadmium	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	20.0	19.5	19.2	98	96	2	75-125	20	--
Chromium	10/15/2018	10/15/2018	10/15/2018	23900-001	22.0	20.0	41.4	42.1	97	100	2	75-125	20	--
Cobalt	10/15/2018	10/15/2018	10/15/2018	23900-001	13.0	20.0	32.0	32.0	95	95	0	75-125	20	--
Copper	10/15/2018	10/15/2018	10/15/2018	23900-001	18.0	20.0	40.9	42.4	115	122	4	75-125	20	--
Lead	10/15/2018	10/15/2018	10/15/2018	23900-001	6.10	20.0	24.5	24.7	92	93	1	75-125	20	--
Mercury	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	1.00	1.13	1.14	113	114	1	80-120	20	--
Molybdenum	10/15/2018	10/15/2018	10/15/2018	23900-001	1.70	20.0	18.9	18.8	86	85	1	75-125	20	--
Nickel	10/15/2018	10/15/2018	10/15/2018	23900-001	16.0	20.0	36.4	36.5	102	102	0	75-125	20	--
Selenium	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	20.0	18.0	17.0	90	85	6	75-125	20	--
Silver	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	20.0	20.4	20.3	102	101	0	75-125	20	--
Thallium	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	20.0	10.4	10.1	52	50	3	75-125	20	M2,
Vanadium	10/15/2018	10/15/2018	10/15/2018	23900-001	49.0	20.0	71.7	72.2	113	116	1	75-125	20	--
Zinc	10/15/2018	10/15/2018	10/15/2018	23900-001	64.0	20.0	83.4	84.0	97	100	1	75-125	20	--

QA/QC Report
for
Metals

Reference #: NAM 23900

Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Analyte	Date of Extraction	LCS Date of Analysis	LCSD Date of Analysis	Laboratory Sample #	SPC CONC	LCS	LCSD	%LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qual
Antimony	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.9	19.4	100	97	3	80-120	20	--
Arsenic	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.3	19.1	96	96	1	80-120	20	--
Barium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	20.0	20.3	100	101	1	80-120	20	--
Beryllium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.5	19.4	98	97	1	80-120	20	--
Cadmium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.2	19.3	96	96	1	80-120	20	--
Chromium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.9	20.1	100	100	1	80-120	20	--
Cobalt	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	20.6	20.8	103	104	1	80-120	20	--
Copper	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	20.6	20.8	103	104	1	80-120	20	--
Lead	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	20.5	20.5	102	102	0	80-120	20	--
Molybdenum	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.5	19.6	98	98	1	80-120	20	--
Nickel	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	21.0	21.3	105	106	1	80-120	20	--
Selenium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.3	19.1	96	96	1	80-120	20	--
Silver	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	21.7	22.0	109	110	1	80-120	20	--
Thallium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	21.0	21.1	105	106	0	80-120	20	--
Vanadium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.7	20.0	99	100	2	80-120	20	--
Zinc	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.4	19.3	97	96	1	80-120	20	--
Mercury	10/15/2018	10/15/2018	10/15/2018	SG1015181	1.00	1.01	1.11	101	111	9	80-120	20	--

Data Qualifier Definitions

Qualifier

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

23900-001	6010B	Antimony	MS/MSD
23900-001	6010B	Thallium	MS/MSD

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

23900-001	6010B	Barium	MS/MSD

Definition of terms:

R1	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request and Chain of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com
3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

Lab Job No: 23900
Page 1 of 1

REQUIRED TURN AROUND TIME: Standard: ____ 72 Hours: ____ 48 Hours: ____ 24 Hours: X

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Wilip E. Moore	PROJECT NAME:	Los Alamitos High School
SEND REPORT TO:	Patrick Cullip	NUMBER:	21080001
EMAIL:	pcullip@rinyoandmoore.com	ADDRESS:	3591 W. Cerritos Ave Los Alamitos, CA
ADDRESS:	475 Goddard Irvine, CA	P.O. #:	21080001
PHONE:	949 753 7070 FAX:	SAMPLED BY:	DAH

ANALYSIS REQUEST / PRESERVATIVE: TPHg, BTEX EPA Method 8260B; TPHd, O EPA Method 8015; Title 22 Metals EPA Method 6010/7471

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	TPHg, BTEX EPA Method 8260B	TPHd, O EPA Method 8015	Title 22 Metals EPA Method 6010/7471	REMARKS/PRECAUTIONS
B23-2	1	10/12/18	1036	Soil	8 oz Jar	X	X	X	Cc results to khill@rinyoandmoore.com dthernander@rinyoandmoore.com
B23-5	↓	↓	1049	↓	↓	X	X	X	
B24-2	↓	↓	1100	↓	↓	X	X	X	
B24-5	↓	↓	1105	↓	↓	X	X	X	
DUP-5	↓	↓	—	↓	↓	X	X	X	

Total No. of Samples: Method of Shipment: Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	10/12/18 1832	[signature]	10/12/18 06:32
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:

Sample Matrix: DW - Drinking Water; GW - Groundwater; WW - Wastewater; SS - Soil/Solid; OT- Other

Sample Integrity: Intact ____ On Ice ✓ 4 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, with Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup sample

Sample Receipt Report

Laboratory Reference NAM 23900 Logged in by MN

Received:	10/12/18 18:32	Company Name:	Ninyo & Moore
Method of Shipment:	Lab Pick-Up	Project Manager:	Mr. Patrick Cullip
Shipping Container:	Cooler	Project Name:	Los Alamitos High School
# Shipping Containers:	11	Project #:	210808001

Sample Quantity
5 Soil

Chain of Custody	Complete ☑	Incomplete ☐	None ☐
Samples On Ice	Yes, Wet ☑	Yes, Blue ☐	No ☐
Temperature	4°C		
Shipping Intact	Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Samples Intact	Yes ☑		No ☐
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated	Yes ☐	N/A ☑	No ☐
Proper Test Containers	Yes ☑		No ☐
Proper Test Preservations	Yes ☑		No ☐
Samples Within Hold Times	Yes ☑		No ☐
VOAs Have Zero Headspace	Yes ☐	N/A ☑	No ☐
Sample Labels	Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.: 2576
Expiration Date: 2018
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:

Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 23902
Project Name:	Los Alamitos High School
Project Number:	210808001
Date Received:	10/12/2018
Date Reported:	10/17/2018
Chain of Custody Received:	☑
Analytical Method:	8015B, 8260B, 6010B, 7471A, 7470A,

Mark Noorani, Laboratory Director

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 4ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B28-2	23902-001	10/12/2018	10/12/2018	Soil
B28-5	23902-002	10/12/2018	10/12/2018	Soil
DUP-6	23902-003	10/12/2018	10/12/2018	Soil
B31-2	23902-004	10/12/2018	10/12/2018	Soil
B31-5	23902-005	10/12/2018	10/12/2018	Soil
B27-2	23902-006	10/12/2018	10/12/2018	Soil
B27-5	23902-007	10/12/2018	10/12/2018	Soil
B32-2	23902-008	10/12/2018	10/12/2018	Soil
B32-5	23902-009	10/12/2018	10/12/2018	Soil
DUP-7	23902-010	10/12/2018	10/12/2018	Soil
B34-2	23902-011	10/12/2018	10/12/2018	Soil
B34-5	23902-012	10/12/2018	10/12/2018	Soil
DUP-8	23902-013	10/12/2018	10/12/2018	Soil
B33-2	23902-014	10/12/2018	10/12/2018	Soil
B33-5	23902-015	10/12/2018	10/12/2018	Soil
B30-2	23902-016	10/12/2018	10/12/2018	Soil
B30-5	23902-017	10/12/2018	10/12/2018	Soil
B36-2	23902-018	10/12/2018	10/12/2018	Soil
B36-5	23902-019	10/12/2018	10/12/2018	Soil
B38-2	23902-020	10/12/2018	10/12/2018	Soil
B38-5	23902-021	10/12/2018	10/12/2018	Soil
B39-2	23902-022	10/12/2018	10/12/2018	Soil
B39-5	23902-023	10/12/2018	10/12/2018	Soil
EB-101218	23902-024	10/12/2018	10/12/2018	Water
B37-2	23902-025	10/12/2018	10/12/2018	Soil
B37-5	23902-026	10/12/2018	10/12/2018	Soil
B35-2	23902-027	10/12/2018	10/12/2018	Soil
B35-5	23902-028	10/12/2018	10/12/2018	Soil
B29-2	23902-029	10/12/2018	10/12/2018	Soil
B26-2	23902-030	10/12/2018	10/12/2018	Soil
B26-5	23902-031	10/12/2018	10/12/2018	Soil
B25-2	23902-032	10/12/2018	10/12/2018	Soil
B25-5	23902-033	10/12/2018	10/12/2018	Soil

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B28-2	23902-001	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	31	Octacosane	47
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B28-2	23902-001	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	90	Octacosane	47
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B28-5	23902-002	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	90
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B28-5	23902-002	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	90
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-6	23902-003	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	82
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-6	23902-003	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	82

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B31-2	23902-004	10/12/2018	10/12/2018	10/15/2018	10/16/2018	Soil

ANALYTE	mg/kg
DROs	19

Surrogate:	% RC*
Octacosane	114

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B31-2	23902-004	10/12/2018	10/12/2018	10/15/2018	10/16/2018	Soil

ANALYTE	mg/kg
MROs	51

Surrogate:	% RC*
Octacosane	114

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B31-5	23902-005	10/12/2018	10/12/2018	10/15/2018	10/16/2018	Soil

ANALYTE	mg/kg
DROs	15

Surrogate:	% RC*
Octacosane	99

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B31-5	23902-005	10/12/2018	10/12/2018	10/15/2018	10/16/2018	Soil

ANALYTE	mg/kg
MROs	49

Surrogate:	% RC*
Octacosane	99

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B27-2	23902-006	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	80
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B27-2	23902-006	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	80
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B27-5	23902-007	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	90
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B27-5	23902-007	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	90
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-2	23902-008	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	85
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Project Name: Los Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-2	23902-008	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	85

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-5	23902-009	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	87

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-5	23902-009	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg
MROs	30

Surrogate:	% RC*
Octacosane	87

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-7	23902-010	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	84

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-7	23902-010	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	84

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Project Name: Los Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2	23902-011	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	81
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2	23902-011	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	81
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-5	23902-012	10/12/2018	10/12/2018	10/15/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	84
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-5	23902-012	10/12/2018	10/12/2018	10/15/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	84
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-8	23902-013	10/12/2018	10/12/2018	10/15/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	88
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-8	23902-013	10/12/2018	10/12/2018	10/15/2018	10/16/2018	Soil

ANALYTE	mg/kg
MROs	31

Surrogate:	% RC*
Octacosane	88

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-2	23902-014	10/12/2018	10/12/2018	10/15/2018	10/16/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	89

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-2	23902-014	10/12/2018	10/12/2018	10/15/2018	10/16/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	89

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-5	23902-015	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	100

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-5	23902-015	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	100

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 23902
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Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B30-2	23902-016	10/12/2018	10/12/2018	10/17/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	57
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B30-2	23902-016	10/12/2018	10/12/2018	10/17/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	32	Octacosane	57
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B30-5	23902-017	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	94
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B30-5	23902-017	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	94
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-2	23902-018	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	90
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-2	23902-018	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
MROs	33

Surrogate:	% RC*
Octacosane	90

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-5	23902-019	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	95

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-5	23902-019	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
MROs	33

Surrogate:	% RC*
Octacosane	95

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-2	23902-020	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	96

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-2	23902-020	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	96

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-5	23902-021	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	93
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-5	23902-021	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	93
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-2	23902-022	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	93
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-2	23902-022	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	93
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-5	23902-023	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	95
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-5	23902-023	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	95

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-2	23902-025	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	99

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-2	23902-025	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
MROs	45

Surrogate:	% RC*
Octacosane	99

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-5	23902-026	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	99

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-5	23902-026	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	99

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-2	23902-027	10/12/2018	10/12/2018	10/17/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	97
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-2	23902-027	10/12/2018	10/12/2018	10/17/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	46	Octacosane	97
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-5	23902-028	10/12/2018	10/12/2018	10/17/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	98
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-5	23902-028	10/12/2018	10/12/2018	10/17/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	37	Octacosane	98
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B29-2	23902-029	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	96
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B29-2	23902-029	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	96
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B26-2	23902-030	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	97
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B26-2	23902-030	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	30	Octacosane	97
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B26-5	23902-031	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	114
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B26-5	23902-031	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	114
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B25-2	23902-032	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	104
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B25-2	23902-032	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	35	Octacosane	104
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B25-5	23902-033	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	102
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B25-5	23902-033	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<30	Octacosane	102
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV1015181			10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	80
		* Acc Recovery:	40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Project Name: Los Alamitos High School
Project #: 210808001

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV1015181			10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	80

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBBL1016181			10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	99

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBBL1016181			10/16/2018	10/17/2018	Soil

ANALYTE	mg/kg
MROs	<30

Surrogate:	% RC*
Octacosane	99

* Acc Recovery: 40-159 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B28-2	23902-001	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	88

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B28-5	23902-002	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	87

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-6	23902-003	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B31-2	23902-004	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	89

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B31-5	23902-005	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	84

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B27-2	23902-006	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	82

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B27-5	23902-007	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	81

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-2	23902-008	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-5	23902-009	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	84

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-7	23902-010	10/12/2018	10/12/2018	10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

Mr. Patrick Cullip
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2	23902-011	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	84

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-5	23902-012	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	89

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-8	23902-013	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	91

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-2	23902-014	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-5	23902-015	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Irvine, CA, 92618

Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B30-2	23902-016	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	83

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B30-5	23902-017	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-2	23902-018	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-5	23902-019	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	80

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-2	23902-020	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	82

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

Mr. Patrick Cullip
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Irvine, CA, 92618

Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-5	23902-021	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	83

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-2	23902-022	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	78

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-5	23902-023	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	79

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-2	23902-025	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	79

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-5	23902-026	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	77

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

Mr. Patrick Cullip
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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-2	23902-027	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	83

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-5	23902-028	10/12/2018	10/12/2018	10/17/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	83

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B29-2	23902-029	10/12/2018	10/12/2018	10/17/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B26-2	23902-030	10/12/2018	10/12/2018	10/17/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	88

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B26-5	23902-031	10/12/2018	10/12/2018	10/17/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	82

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B25-2	23902-032	10/12/2018	10/12/2018	10/17/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	82

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B25-5	23902-033	10/12/2018	10/12/2018	10/17/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	79

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1015181			10/15/2018	10/15/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1016181			10/16/2018	10/16/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	90

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1017181			10/17/2018	10/17/2018	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	90

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 49-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

Mr. Patrick Cullip
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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B28-2	23902-001	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	97	42-139 %
Toluene-d8:	84	55-130 %
4-Bromofluorobenzene:	74	55-130 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Patrick Cullip
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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B28-5	23902-002	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	42-139 %
Toluene-d8:	84	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Patrick Cullip
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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-6	23902-003	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	42-139 %
Toluene-d8:	83	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B31-2	23902-004	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	99	42-139 %
Toluene-d8:	83	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B31-5	23902-005	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	42-139 %
Toluene-d8:	84	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B27-2	23902-006	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	42-139 %
Toluene-d8:	83	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B27-5	23902-007	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	99	42-139 %
Toluene-d8:	84	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-2	23902-008	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	42-139 %
Toluene-d8:	82	55-130 %
4-Bromofluorobenzene:	74	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-5	23902-009	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	42-139 %
Toluene-d8:	82	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-7	23902-010	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	98	42-139 %
Toluene-d8:	82	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2	23902-011	10/12/2018	10/12/2018	10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	102	42-139 %
Toluene-d8:	84	55-130 %
4-Bromofluorobenzene:	78	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-5	23902-012	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	105	42-139 %
Toluene-d8:	80	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DUP-8	23902-013	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	107	42-139 %
Toluene-d8:	82	55-130 %
4-Bromofluorobenzene:	79	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-2	23902-014	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	106	42-139 %
Toluene-d8:	80	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Patrick Cullip
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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-5	23902-015	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	105	42-139 %
Toluene-d8:	81	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B30-2	23902-016	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	102	42-139 %
Toluene-d8:	82	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B30-5	23902-017	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	104	42-139 %
Toluene-d8:	81	55-130 %
4-Bromofluorobenzene:	78	55-130 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Patrick Cullip
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Irvine, CA, 92618

Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-2	23902-018	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	108	42-139 %
Toluene-d8:	80	55-130 %
4-Bromofluorobenzene:	78	55-130 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Patrick Cullip
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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-5	23902-019	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	106	42-139 %
Toluene-d8:	79	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-2	23902-020	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	104	42-139 %
Toluene-d8:	81	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-5	23902-021	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	106	42-139 %
Toluene-d8:	80	55-130 %
4-Bromofluorobenzene:	78	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-2	23902-022	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	105	42-139 %
Toluene-d8:	79	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-5	23902-023	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	104	42-139 %
Toluene-d8:	80	55-130 %
4-Bromofluorobenzene:	74	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-2	23902-025	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	105	42-139 %
Toluene-d8:	79	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-5	23902-026	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	101	42-139 %
Toluene-d8:	80	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-2	23902-027	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	108	42-139 %
Toluene-d8:	79	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-5	23902-028	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	105	42-139 %
Toluene-d8:	81	55-130 %
4-Bromofluorobenzene:	78	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B29-2	23902-029	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	107	42-139 %
Toluene-d8:	80	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B26-2	23902-030	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	105	42-139 %
Toluene-d8:	80	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B26-5	23902-031	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	104	42-139 %
Toluene-d8:	80	55-130 %
4-Bromofluorobenzene:	76	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B25-2	23902-032	10/12/2018	10/12/2018	10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	103	42-139 %
Toluene-d8:	80	55-130 %
4-Bromofluorobenzene:	75	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B25-5	23902-033	10/12/2018	10/12/2018	10/13/2018	10/16/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	99	42-139 %
Toluene-d8:	82	55-130 %
4-Bromofluorobenzene:	71	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT1013181			10/13/2018	10/13/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	94	42-139 %
Toluene-d8:	83	55-130 %
4-Bromofluorobenzene:	73	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT1013182			10/13/2018	10/15/2018	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<2.5			
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	103	42-139 %
Toluene-d8:	82	55-130 %
4-Bromofluorobenzene:	77	55-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
EB-101218	23902-024	10/12/2018	10/12/2018	10/16/2018	10/16/2018	Water

ANALYTE	CAS #	µg/L	ANALYTE	CAS #	µg/L
t-Amyl methyl ether (TAME)	994-05-8	<1.0	trans-1,3-Dichloropropene	10061-02-6	<0.50
Benzene	71-43-2	<0.50	Diisopropyl ether (DIPE)	108-20-3	<1.0
Bromobenzene	108-86-1	<0.50	Ethyl t-butyl ether (ETBE)	637-92-3	<1.0
Bromochloromethane	74-97-5	<0.50	Ethylbenzene	100-41-4	<0.50
Bromodichloromethane	75-27-4	<1.0	Hexachlorobutadiene	87-68-3	<0.50
Bromoform	75-25-2	<0.50	Isopropylbenzene	98-82-8	<0.50
Bromomethane	74-83-9	<5.0	4-Isopropyltoluene	99-87-6	<0.50
tert-Butyl alcohol (TBA)	75-65-0	<10	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0
n-Butylbenzene	104-51-8	<0.50	Methylene chloride	75-09-2	<5.0
sec-Butylbenzene	135-98-8	<0.50	Naphthalene	91-20-3	<0.50
tert-Butylbenzene	98-06-6	<0.50	n-Propylbenzene	103-65-1	<0.50
Carbon tetrachloride	56-23-5	<0.50	Styrene	100-42-5	<0.50
Chlorobenzene	108-90-7	<0.50	1,1,1,2-Tetrachloroethane	630-20-6	<0.50
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<0.50
Chloroform	67-66-3	<0.50	Tetrachloroethene	127-18-4	<0.50
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<0.50
2-Chlorotoluene	95-49-8	<0.50	1,2,3-Trichlorobenzene	87-61-6	<0.50
4-Chlorotoluene	106-43-4	<0.50	1,2,4-Trichlorobenzene	120-82-1	<0.50
Dibromochloromethane	124-48-1	<0.50	1,1,1-Trichloroethane	71-55-6	<0.50
1,2-Dibromo-3-chloropropane	96-12-8	<2.0	1,1,2-Trichloroethane	79-00-5	<0.50
1,2-Dibromoethane	106-93-4	<0.50	Trichloroethene	79-01-6	<0.50
Dibromomethane	74-95-3	<0.50	Trichlorofluoromethane	75-69-4	<2.0
1,2-Dichlorobenzene	95-50-1	<0.50	1,2,3-Trichloropropane	96-18-4	<0.50
1,3-Dichlorobenzene	541-73-1	<0.50	1,2,4-Trimethylbenzene	95-63-6	<0.50
1,4-Dichlorobenzene	106-46-7	<0.50	1,3,5-Trimethylbenzene	108-67-8	<0.50
Dichlorodifluoromethane	75-71-8	<2.0	Vinyl Chloride	75-01-4	<0.50
1,1-Dichloroethane	75-34-3	<0.50	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<0.50			
1,1-Dichloroethene	75-35-4	<0.50			
cis-1,2-Dichloroethene	156-59-2	<0.50			
trans-1,2-Dichloroethene	156-60-5	<0.50			
1,2-Dichloropropane	78-87-5	<1.0			
1,3-Dichloropropane	142-28-9	<0.50			
2,2-Dichloropropane	594-20-7	<0.50			
1,1-Dichloropropene	563-58-6	<0.50			
cis-1,3-Dichloropropene	10061-01-5	<0.50			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	58-136 %
Toluene-d8:	81	54-130 %
4-Bromofluorobenzene:	71	52-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT1016181			10/16/2018	10/16/2018	Water

ANALYTE	CAS #	µg/L	ANALYTE	CAS #	µg/L
t-Amyl methyl ether (TAME)	994-05-8	<1.0	trans-1,3-Dichloropropene	10061-02-6	<0.50
Benzene	71-43-2	<0.50	Diisopropyl ether (DIPE)	108-20-3	<1.0
Bromobenzene	108-86-1	<0.50	Ethyl t-butyl ether (ETBE)	637-92-3	<1.0
Bromochloromethane	74-97-5	<0.50	Ethylbenzene	100-41-4	<0.50
Bromodichloromethane	75-27-4	<1.0	Hexachlorobutadiene	87-68-3	<0.50
Bromoform	75-25-2	<0.50	Isopropylbenzene	98-82-8	<0.50
Bromomethane	74-83-9	<5.0	4-Isopropyltoluene	99-87-6	<0.50
tert-Butyl alcohol (TBA)	75-65-0	<10	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0
n-Butylbenzene	104-51-8	<0.50	Methylene chloride	75-09-2	<5.0
sec-Butylbenzene	135-98-8	<0.50	Naphthalene	91-20-3	<0.50
tert-Butylbenzene	98-06-6	<0.50	n-Propylbenzene	103-65-1	<0.50
Carbon tetrachloride	56-23-5	<0.50	Styrene	100-42-5	<0.50
Chlorobenzene	108-90-7	<0.50	1,1,1,2-Tetrachloroethane	630-20-6	<0.50
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<0.50
Chloroform	67-66-3	<0.50	Tetrachloroethene	127-18-4	<0.50
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<0.50
2-Chlorotoluene	95-49-8	<0.50	1,2,3-Trichlorobenzene	87-61-6	<0.50
4-Chlorotoluene	106-43-4	<0.50	1,2,4-Trichlorobenzene	120-82-1	<0.50
Dibromochloromethane	124-48-1	<0.50	1,1,1-Trichloroethane	71-55-6	<0.50
1,2-Dibromo-3-chloropropane	96-12-8	<2.0	1,1,2-Trichloroethane	79-00-5	<0.50
1,2-Dibromoethane	106-93-4	<0.50	Trichloroethene	79-01-6	<0.50
Dibromomethane	74-95-3	<0.50	Trichlorofluoromethane	75-69-4	<2.0
1,2-Dichlorobenzene	95-50-1	<0.50	1,2,3-Trichloropropane	96-18-4	<0.50
1,3-Dichlorobenzene	541-73-1	<0.50	1,2,4-Trimethylbenzene	95-63-6	<0.50
1,4-Dichlorobenzene	106-46-7	<0.50	1,3,5-Trimethylbenzene	108-67-8	<0.50
Dichlorodifluoromethane	75-71-8	<2.0	Vinyl chloride	75-01-4	<0.50
1,1-Dichloroethane	75-34-3	<0.50	Xylenes, Total	1330-20-7	<2.0
1,2-Dichloroethane	107-06-2	<0.50			
1,1-Dichloroethene	75-35-4	<0.50			
cis-1,2-Dichloroethene	156-59-2	<0.50			
trans-1,2-Dichloroethene	156-60-5	<0.50			
1,2-Dichloropropane	78-87-5	<1.0			
1,3-Dichloropropane	142-28-9	<0.50			
2,2-Dichloropropane	594-20-7	<0.50			
1,1-Dichloropropene	563-58-6	<0.50			
cis-1,3-Dichloropropene	10061-01-5	<0.50			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	99	58-136 %
Toluene-d8:	82	54-130 %
4-Bromofluorobenzene:	71	52-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
EB-101218	23902-024	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Water

ANALYTE	mg/L	Surrogate:	% RC*
DROs	<0.10	Octacosane	83
		* Acc Recovery:	34-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
EB-101218	23902-024	10/12/2018	10/12/2018	10/16/2018	10/17/2018	Water

ANALYTE	mg/L	Surrogate:	% RC*
MROs	<0.30	Octacosane	83
		* Acc Recovery:	34-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBBL1016182			10/16/2018	10/17/2018	Water

ANALYTE	mg/L	Surrogate:	% RC*
DROs	<0.10	Octacosane	83
		* Acc Recovery:	34-159 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBBL1016182			10/16/2018	10/17/2018	Water

ANALYTE	mg/L	Surrogate:	% RC*
MROs	<0.30	Octacosane	83
		* Acc Recovery:	34-159 %

Dilution Factor: 1
Data Qualifiers: None

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Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
EB-101218	23902-024	10/12/2018	10/12/2018	10/17/2018	10/17/2018	Water

ANALYTE	µg/L	Surrogate:	% RC*
GROs[1]	<50	α-α-α-Trifluorotoluene	80

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 37-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1017182			10/17/2018	10/17/2018	Water

ANALYTE	µg/L	Surrogate:	% RC*
GROs[1]	<50	α-α-α-Trifluorotoluene	79

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 37-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B28-2	23902-001	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	2.5	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	120	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	19	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	11	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	24	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	14	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	16	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	41	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	51	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
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Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B28-5	23902-002	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	3.3	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	160	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.50	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.52	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	24	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	14	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	30	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	6.3	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	20	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	51	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	59	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
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Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DUP-6	23902-003	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	3.4	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	160	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.53	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	24	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	14	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	30	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	6.7	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	20	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	52	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	60	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B31-2	23902-004	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	4.1	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	140	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.51	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	24	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	13	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	29	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	6.8	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	0.12	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	20	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	47	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	57	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B31-5	23902-005	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	140	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.55	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	24	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	13	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	27	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	7.8	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	19	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	49	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	63	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B27-2	23902-006	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	100	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	19	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	11	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	20	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	11	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	15	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	42	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	59	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B27-5	23902-007	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	86	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	16	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	9.8	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	18	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	4.1	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	13	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	37	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	45	mg/kg	10/15/18	10/16/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B32-2	23902-008	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	180	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.61	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	29	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	15	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	38	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	8.6	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	23	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	49	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	62	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B32-5	23902-009	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	140	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.52	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.51	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	23	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	13	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	26	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	6.4	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	19	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	48	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	58	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DUP-7	23902-010	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	5.1	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	180	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.67	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.53	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	30	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	17	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	40	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	9.4	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	1.7	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	25	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	58	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	69	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-2	23902-011	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	87	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	17	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	8.0	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	15	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	4.5	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	14	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	32	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	43	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-5	23902-012	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	2.3	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	130	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.57	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.56	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	23	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	13	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	25	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	7.4	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	18	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	50	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	62	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
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Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DUP-8	23902-013	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	120	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.56	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.55	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	22	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	12	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	24	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	10	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	18	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	47	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	66	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B33-2	23902-014	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	120	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	21	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	12	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	24	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	6.9	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	17	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	43	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	52	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B33-5	23902-015	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	130	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.53	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	22	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	13	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	26	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	7.0	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	18	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	47	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	56	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B30-2	23902-016	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	140	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.60	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	24	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	13	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	27	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	7.7	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	1.1	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	19	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	49	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	60	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B30-5	23902-017	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	140	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.63	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	25	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	14	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	28	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	8.3	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	20	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	51	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	64	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B36-2	23902-018	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	2.6	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	140	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.57	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.52	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	24	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	13	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	26	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	12	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	19	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	49	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	63	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B36-5	23902-019	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	2.2	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	140	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.66	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.56	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	26	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	14	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	29	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	10	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	20	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	54	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	65	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B38-2	23902-020	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	110	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.59	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.63	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	22	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	12	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	21	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	16	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	17	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	49	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	67	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B38-5	23902-021	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	3.5	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	170	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.91	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.57	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	30	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	16	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	32	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	11	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	24	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	60	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	71	mg/kg	10/15/18	10/16/18	--	1

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Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B39-2	23902-022	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	2.7	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	150	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.71	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	1.0	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	27	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	14	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	27	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	23	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	1.4	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	22	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	61	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	79	mg/kg	10/15/18	10/16/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B39-5	23902-023	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	4.6	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	170	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.63	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.61	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	28	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	16	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	35	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	8.3	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	1.1	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	24	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	57	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	63	mg/kg	10/15/18	10/16/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B37-2	23902-025	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	120	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.59	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.64	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	23	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	12	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	22	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	16	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	18	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	50	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	66	mg/kg	10/15/18	10/16/18	--	1

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Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B37-5	23902-026	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	4.1	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	190	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.67	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.59	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	29	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	16	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	37	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	8.9	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	1.2	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	24	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	58	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	66	mg/kg	10/15/18	10/16/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B35-2	23902-027	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	2.7	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	150	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.63	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.57	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	25	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	14	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	29	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	11	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	20	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	53	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	66	mg/kg	10/15/18	10/16/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B35-5	23902-028	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	2.8	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	140	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.65	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.63	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	25	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	14	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	29	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	9.7	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	20	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	53	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	66	mg/kg	10/15/18	10/16/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B29-2	23902-029	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	3.9	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	150	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.51	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	24	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	13	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	29	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	6.3	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	20	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	49	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	56	mg/kg	10/15/18	10/16/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B26-2	23902-030	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	110	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.51	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	17	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	9.6	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	18	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	14	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	14	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	37	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	59	mg/kg	10/15/18	10/16/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B26-5	23902-031	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	3.5	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	140	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	23	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	14	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	29	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	5.9	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	4.6	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	20	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	49	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	55	mg/kg	10/15/18	10/16/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B25-2	23902-032	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	120	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.57	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	0.52	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	21	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	12	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	23	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	11	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	18	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	46	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	61	mg/kg	10/15/18	10/16/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B25-5	23902-033	10/12/2018	10/12/2018	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Barium	6010B	100	mg/kg	10/15/18	10/16/18	--	1
Beryllium	6010B	0.52	mg/kg	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Chromium	6010B	20	mg/kg	10/15/18	10/16/18	--	1
Cobalt	6010B	11	mg/kg	10/15/18	10/16/18	--	1
Copper	6010B	20	mg/kg	10/15/18	10/16/18	--	1
Lead	6010B	12	mg/kg	10/15/18	10/16/18	--	1
Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
Nickel	6010B	16	mg/kg	10/15/18	10/16/18	--	1
Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
Vanadium	6010B	43	mg/kg	10/15/18	10/16/18	--	1
Zinc	6010B	57	mg/kg	10/15/18	10/16/18	--	1

Mr. Patrick Cullip
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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR1015181	Antimony	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Arsenic	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Barium	6010B	<1.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Beryllium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Cadmium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Chromium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Cobalt	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Copper	6010B	<5.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Lead	6010B	<0.80	mg/kg	10/15/18	10/15/18	--	1
MBSG1015181	Mercury	7471A	<0.10	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Nickel	6010B	<1.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Selenium	6010B	<4.8	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Silver	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Thallium	6010B	<2.0	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Vanadium	6010B	<0.50	mg/kg	10/15/18	10/15/18	--	1
MBIR1015181	Zinc	6010B	<5.0	mg/kg	10/15/18	10/15/18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBJV1015181	Antimony	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Arsenic	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Barium	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Beryllium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Cadmium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Chromium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Cobalt	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Copper	6010B	<5.0	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Lead	6010B	<0.80	mg/kg	10/15/18	10/16/18	--	1
MBJV1015182	Mercury	7471A	<0.10	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Molybdenum	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Nickel	6010B	<1.0	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Selenium	6010B	<4.8	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Silver	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Thallium	6010B	<2.0	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Vanadium	6010B	<0.50	mg/kg	10/15/18	10/16/18	--	1
MBJV1015181	Zinc	6010B	<5.0	mg/kg	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
EB-101218	23902-024	10/12/2018	10/12/2018	Water

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<0.10	mg/L	10/15/18	10/16/18	--	1
Arsenic	6010B	<0.040	mg/L	10/15/18	10/16/18	--	1
Barium	6010B	<0.020	mg/L	10/15/18	10/16/18	--	1
Beryllium	6010B	<0.010	mg/L	10/15/18	10/16/18	--	1
Cadmium	6010B	<0.010	mg/L	10/15/18	10/16/18	--	1
Chromium	6010B	<0.010	mg/L	10/15/18	10/16/18	--	1
Cobalt	6010B	<0.050	mg/L	10/15/18	10/16/18	--	1
Copper	6010B	<0.10	mg/L	10/15/18	10/16/18	--	1
Lead	6010B	<0.040	mg/L	10/15/18	10/16/18	--	1
Mercury	7470A	<0.0010	mg/L	10/16/18	10/17/18	--	1
Molybdenum	6010B	<0.050	mg/L	10/15/18	10/16/18	--	1
Nickel	6010B	<0.020	mg/L	10/15/18	10/16/18	--	1
Selenium	6010B	<0.10	mg/L	10/15/18	10/16/18	--	1
Silver	6010B	<0.010	mg/L	10/15/18	10/16/18	--	1
Thallium	6010B	<0.10	mg/L	10/15/18	10/16/18	--	1
Vanadium	6010B	<0.010	mg/L	10/15/18	10/16/18	--	1
Zinc	6010B	<0.10	mg/L	10/15/18	10/16/18	--	1

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Lab Reference #: NAM 23902
Project Name: Los Alamitos High School
Project #: 210808001

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Water

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR1015182	Antimony	6010B	<0.10	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Arsenic	6010B	<0.040	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Barium	6010B	<0.020	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Beryllium	6010B	<0.010	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Cadmium	6010B	<0.010	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Chromium	6010B	<0.010	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Cobalt	6010B	<0.050	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Copper	6010B	<0.10	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Lead	6010B	<0.040	mg/L	10/15/18	10/16/18	--	1
MBJV1016181	Mercury	7470A	<0.060	mg/L	10/16/18	10/17/18	--	1
MBIR1015182	Molybdenum	6010B	<0.050	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Nickel	6010B	<0.020	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Selenium	6010B	<0.10	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Silver	6010B	<0.010	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Thallium	6010B	<0.10	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Vanadium	6010B	<0.010	mg/L	10/15/18	10/16/18	--	1
MBIR1015182	Zinc	6010B	<0.10	mg/L	10/15/18	10/16/18	--	1

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/15/2018
Date of Analysis: 10/15/2018
Dup Date of Analysis: 10/15/2018
Laboratory Sample #: 23900-001
MS/MSD Qualifiers: None
Reference #: NAM 23902

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	0.00	1000	885	745	88	75	17	59-164	26	

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Octacosane	60	49		89	83		40-159

Laboratory Control Sample

Date of Extraction: 10/15/2018
Date of Analysis: 10/15/2018
Dup Date of Analysis: 10/15/2018
Laboratory Sample #: AV1015181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1230	1080	123	108	13	70-132	20	

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/16/2018
Date of Analysis: 10/17/2018
Dup Date of Analysis: 10/17/2018
Laboratory Sample #: 23906-016
MS/MSD Qualifiers: None
Reference #: NAM 23902

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	0.00	1000	698	773	70	77	10	59-164	26	

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Octacosane	45	42		106	100		40-159

Laboratory Control Sample

Date of Extraction: 10/16/2018
Date of Analysis: 10/17/2018
Dup Date of Analysis: 10/17/2018
Laboratory Sample #: BL1016181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1260	1170	126	117	7	70-132	20	

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/15/2018
Date of Analysis: 10/15/2018
Dup Date of Analysis: 10/15/2018
Laboratory Sample #: 23900-001
MS/MSD Qualifiers: None
Reference #: NAM 23902

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.159	0.169	64	68	6	42-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	112	110	☐

LCS	LCSD	Qual
123	120	☐

ACP % RC
49-130

Laboratory Control Sample

Date of Extraction: 10/15/2018
Date of Analysis: 10/15/2018
Dup Date of Analysis: 10/15/2018
Laboratory Sample #: TS1015181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.168	0.202	67	81	18	44-130	20	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/16/2018
Date of Analysis: 10/16/2018
Dup Date of Analysis: 10/16/2018
Laboratory Sample #: 23902-011
MS/MSD Qualifiers: None
Reference #: NAM 23902

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.185	0.167	74	67	10	42-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	110	109	☐

LCS	LCSD	Qual
120	118	☐

ACP % RC
49-130

Laboratory Control Sample

Date of Extraction: 10/16/2018
Date of Analysis: 10/16/2018
Dup Date of Analysis: 10/16/2018
Laboratory Sample #: TS1016181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.200	0.169	80	68	17	44-130	20	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/17/2018
Date of Analysis: 10/17/2018
Dup Date of Analysis: 10/17/2018
Laboratory Sample #: 23902-028
MS/MSD Qualifiers: None
Reference #: NAM 23902

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.148	0.154	59	62	4	42-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	112	104	☐

LCS	LCSD	Qual
115	113	☐

ACP % RC
49-130

Laboratory Control Sample

Date of Extraction: 10/17/2018
Date of Analysis: 10/17/2018
Dup Date of Analysis: 10/17/2018
Laboratory Sample #: TS1017181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.154	0.178	62	71	14	44-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/13/2018
Date of Analysis: 10/13/2018
Dup Date of Analysis: 10/13/2018
Laboratory Sample #: 23900-001
MS/MSD Qualifiers: None
Reference #: NAM 23902

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	9.15	8.63	91	86	6	53-130	20	☐
Benzene	0.00	10.0	10.2	9.80	102	98	4	67-135	20	☐
Trichloroethene	0.00	10.0	11.1	10.9	111	109	2	70-130	20	☐
Toluene	0.00	10.0	11.2	10.8	112	108	4	69-130	20	☐
Chlorobenzene	0.00	10.0	11.0	10.9	110	109	1	70-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	94	95	☐	96	99	☐	42-139
Toluene-d8	85	85	☐	83	85	☐	55-130
4-Bromofluorobenzene	78	77	☐	75	75	☐	55-130

Laboratory Control Sample

Date of Extraction: 10/13/2018
Date of Analysis: 10/13/2018
Dup Date of Analysis: 10/13/2018
Laboratory Sample #: HT1013181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	9.00	8.79	90	88	2	54-130	20	☐
Benzene	10.0	9.87	9.34	99	93	6	66-137	20	☐
Trichloroethene	10.0	10.5	10.4	105	104	1	70-130	20	☐
Toluene	10.0	10.6	10.7	106	107	1	70-130	20	☐
Chlorobenzene	10.0	10.6	10.4	106	104	2	70-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/15/2018
Date of Analysis: 10/15/2018
Dup Date of Analysis: 10/15/2018
Laboratory Sample #: 23902-020
MS/MSD Qualifiers: None
Reference #: NAM 23902

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	9.31	10.0	93	100	7	53-130	20	☐
Benzene	0.00	10.0	9.65	9.51	96	95	1	67-135	20	☐
Trichloroethene	0.00	10.0	11.6	11.2	116	112	4	70-130	20	☐
Toluene	0.00	10.0	10.0	9.91	100	99	1	69-130	20	☐
Chlorobenzene	0.00	10.0	10.2	10.5	102	105	3	70-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	103	105	☐	104	105	☐	42-139
Toluene-d8	78	78	☐	80	79	☐	55-130
4-Bromofluorobenzene	76	77	☐	78	77	☐	55-130

Laboratory Control Sample

Date of Extraction: 10/15/2018
Date of Analysis: 10/15/2018
Dup Date of Analysis: 10/15/2018
Laboratory Sample #: HT1015181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	9.52	9.63	95	96	1	54-130	20	☐
Benzene	10.0	9.76	9.62	98	96	1	66-137	20	☐
Trichloroethene	10.0	11.9	11.4	119	114	4	70-130	20	☐
Toluene	10.0	10.6	10.2	106	102	4	70-130	20	☐
Chlorobenzene	10.0	10.7	10.3	107	103	4	70-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/16/2018
Date of Analysis: 10/16/2018
Dup Date of Analysis: 10/16/2018
Laboratory Sample #: 23902-033
MS/MSD Qualifiers: None
Reference #: NAM 23902

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	8.37	8.25	84	82	1	53-130	20	☐
Benzene	0.00	10.0	9.12	9.28	91	93	2	67-135	20	☐
Trichloroethene	0.00	10.0	10.5	11.0	105	110	5	70-130	20	☐
Toluene	0.00	10.0	10.7	10.6	107	106	1	69-130	20	☐
Chlorobenzene	0.00	10.0	10.8	10.6	108	106	2	70-130	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	101	98	☐	99	94	☐	42-139
Toluene-d8	81	82	☐	81	82	☐	55-130
4-Bromofluorobenzene	72	75	☐	74	74	☐	55-130

Laboratory Control Sample

Date of Extraction: 10/16/2018
Date of Analysis: 10/16/2018
Dup Date of Analysis: 10/16/2018
Laboratory Sample #: HT1016182
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	8.57	8.00	86	80	7	54-130	20	☐
Benzene	10.0	8.64	8.13	86	81	6	66-137	20	☐
Trichloroethene	10.0	10.2	9.93	102	99	3	70-130	20	☐
Toluene	10.0	9.74	9.46	97	95	3	70-130	20	☐
Chlorobenzene	10.0	9.95	9.51	100	95	5	70-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/16/2018
Date of Analysis: 10/16/2018
Dup Date of Analysis: 10/16/2018
Laboratory Sample #: 23902-024
MS/MSD Qualifiers: None
Reference #: NAM 23902

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	9.14	9.28	91	93	2	51-134	20	☐
Benzene	0.00	10.0	9.74	9.79	97	98	1	65-138	20	☐
Trichloroethene	0.00	10.0	11.5	11.6	115	116	1	70-133	20	☐
Toluene	0.00	10.0	11.4	11.0	114	110	4	67-130	20	☐
Chlorobenzene	0.00	10.0	11.2	10.8	112	108	4	70-131	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	97	101	☐	99	97	☐	58-136
Toluene-d8	82	81	☐	81	82	☐	54-130
4-Bromofluorobenzene	75	72	☐	74	73	☐	52-130

Laboratory Control Sample

Date of Extraction: 10/16/2018
Date of Analysis: 10/16/2018
Dup Date of Analysis: 10/16/2018
Laboratory Sample #: HT1016181
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	8.22	8.45	82	84	3	55-130	20	☐
Benzene	10.0	9.50	9.42	95	94	1	65-134	20	☐
Trichloroethene	10.0	10.9	11.1	109	111	2	70-130	20	☐
Toluene	10.0	10.5	10.6	105	106	1	69-130	20	☐
Chlorobenzene	10.0	11.3	10.9	113	109	4	70-130	20	☐

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Date of Extraction: 10/16/2018
Date of Analysis: 10/17/2018
Dup Date of Analysis: 10/17/2018
Laboratory Sample #: BL1016182
LCS/LCSD Qualifiers: None
Reference #: NAM 23902

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	2.00	1.68	1.76	84	88	5	45-130	21	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	LCS	LCSD	Qual
Octacosane	92	93	☐

ACP % RC
34-159

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/17/2018
Date of Analysis: 10/17/2018
Dup Date of Analysis: 10/17/2018
Laboratory Sample #: 23902-024
MS/MSD Qualifiers: None
Reference #: NAM 23902

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	100	61.4	63.0	61	63	3	41-130	27	

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
α-α-α-Trifluorotoluene	108	106		105	103		37-130

Laboratory Control Sample

Date of Extraction: 10/17/2018
Date of Analysis: 10/17/2018
Dup Date of Analysis: 10/17/2018
Laboratory Sample #: TS1017182
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	100	54.8	53.4	55	53	3	45-130	23	

QA/QC Report
for
Metals

Reference #: NAM 23902 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Analyte	Date of Extraction	MS Date of Analysis	MSD Date of Analysis	Laboratory Sample #	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Antimony	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	20.0	4.91	4.36	25	22	12	75-125	20	M2,
Arsenic	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	20.0	20.0	19.4	100	97	3	75-125	20	--
Barium	10/15/2018	10/15/2018	10/15/2018	23900-001	100	20.0	129	126	145	130	2	75-125	20	M3,
Beryllium	10/15/2018	10/15/2018	10/15/2018	23900-001	0.650	20.0	19.5	19.4	94	94	1	75-125	20	--
Cadmium	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	20.0	19.5	19.2	98	96	2	75-125	20	--
Chromium	10/15/2018	10/15/2018	10/15/2018	23900-001	22.0	20.0	41.4	42.1	97	100	2	75-125	20	--
Cobalt	10/15/2018	10/15/2018	10/15/2018	23900-001	13.0	20.0	32.0	32.0	95	95	0	75-125	20	--
Copper	10/15/2018	10/15/2018	10/15/2018	23900-001	18.0	20.0	40.9	42.4	115	122	4	75-125	20	--
Lead	10/15/2018	10/15/2018	10/15/2018	23900-001	6.10	20.0	24.5	24.7	92	93	1	75-125	20	--
Mercury	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	1.00	1.13	1.14	113	114	1	80-120	20	--
Molybdenum	10/15/2018	10/15/2018	10/15/2018	23900-001	1.70	20.0	18.9	18.8	86	85	1	75-125	20	--
Nickel	10/15/2018	10/15/2018	10/15/2018	23900-001	16.0	20.0	36.4	36.5	102	102	0	75-125	20	--
Selenium	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	20.0	18.0	17.0	90	85	6	75-125	20	--
Silver	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	20.0	20.4	20.3	102	101	0	75-125	20	--
Thallium	10/15/2018	10/15/2018	10/15/2018	23900-001	0.00	20.0	10.4	10.1	52	50	3	75-125	20	M2,
Vanadium	10/15/2018	10/15/2018	10/15/2018	23900-001	49.0	20.0	71.7	72.2	113	116	1	75-125	20	--
Zinc	10/15/2018	10/15/2018	10/15/2018	23900-001	64.0	20.0	83.4	84.0	97	100	1	75-125	20	--
Antimony	10/15/2018	10/16/2018	10/16/2018	23902-016	0.00	20.0	1.73	1.69	9	8	2	75-125	20	M2,
Arsenic	10/15/2018	10/16/2018	10/16/2018	23902-016	0.00	20.0	19.9	20.1	100	100	1	75-125	20	--
Barium	10/15/2018	10/16/2018	10/16/2018	23902-016	140	20.0	160	164	100	120	2	75-125	20	--
Beryllium	10/15/2018	10/16/2018	10/16/2018	23902-016	0.600	20.0	19.3	19.1	93	93	1	75-125	20	--
Cadmium	10/15/2018	10/16/2018	10/16/2018	23902-016	0.00	20.0	19.1	19.1	96	96	0	75-125	20	--
Chromium	10/15/2018	10/16/2018	10/16/2018	23902-016	24.0	20.0	42.3	42.6	91	93	1	75-125	20	--
Cobalt	10/15/2018	10/16/2018	10/16/2018	23902-016	13.0	20.0	32.4	32.4	97	97	0	75-125	20	--
Copper	10/15/2018	10/16/2018	10/16/2018	23902-016	27.0	20.0	46.4	47.4	97	102	2	75-125	20	--
Lead	10/15/2018	10/16/2018	10/16/2018	23902-016	7.70	20.0	26.0	26.0	91	91	0	75-125	20	--
Mercury	10/15/2018	10/16/2018	10/16/2018	23902-016	0.00	1.00	1.16	1.14	116	114	2	80-120	20	--
Molybdenum	10/15/2018	10/16/2018	10/16/2018	23902-016	1.10	20.0	17.0	16.8	79	78	1	75-125	20	--
Nickel	10/15/2018	10/16/2018	10/16/2018	23902-016	19.0	20.0	38.4	38.0	97	95	1	75-125	20	--
Selenium	10/15/2018	10/16/2018	10/16/2018	23902-016	0.00	20.0	18.8	19.3	94	96	3	75-125	20	--
Silver	10/15/2018	10/16/2018	10/16/2018	23902-016	0.00	20.0	19.4	19.8	97	99	2	75-125	20	--

QA/QC Report
for
Metals

Reference #: NAM 23902 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Analyte	Date of Extraction	MS Date of Analysis	MSD Date of Analysis	Laboratory Sample #	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Thallium	10/15/2018	10/16/2018	10/16/2018	23902-016	0.00	20.0	11.2	11.6	56	58	4	75-125	20	M2,
Vanadium	10/15/2018	10/16/2018	10/16/2018	23902-016	49.0	20.0	70.0	70.8	105	109	1	75-125	20	--
Zinc	10/15/2018	10/16/2018	10/16/2018	23902-016	60.0	20.0	75.8	76.2	79	81	1	75-125	20	--

QA/QC Report
for
Metals

Reference #: NAM 23902 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Analyte	Date of Extraction	LCS Date of Analysis	LCSD Date of Analysis	Laboratory Sample #	SPC CONC	LCS	LCSD	%LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qual
Antimony	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.9	19.4	100	97	3	80-120	20	--
Arsenic	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.3	19.1	96	96	1	80-120	20	--
Barium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	20.0	20.3	100	101	1	80-120	20	--
Beryllium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.5	19.4	98	97	1	80-120	20	--
Cadmium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.2	19.3	96	96	1	80-120	20	--
Chromium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.9	20.1	100	100	1	80-120	20	--
Cobalt	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	20.6	20.8	103	104	1	80-120	20	--
Copper	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	20.6	20.8	103	104	1	80-120	20	--
Lead	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	20.5	20.5	102	102	0	80-120	20	--
Molybdenum	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.5	19.6	98	98	1	80-120	20	--
Nickel	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	21.0	21.3	105	106	1	80-120	20	--
Selenium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.3	19.1	96	96	1	80-120	20	--
Silver	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	21.7	22.0	109	110	1	80-120	20	--
Thallium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	21.0	21.1	105	106	0	80-120	20	--
Vanadium	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.7	20.0	99	100	2	80-120	20	--
Zinc	10/15/2018	10/15/2018	10/15/2018	IR1015181	20.0	19.4	19.3	97	96	1	80-120	20	--
Antimony	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	20.3	20.1	101	100	1	80-120	20	--
Arsenic	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	19.3	19.3	96	96	0	80-120	20	--
Barium	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	20.7	20.4	104	102	1	80-120	20	--
Beryllium	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	19.5	19.5	98	98	0	80-120	20	--
Cadmium	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	19.1	18.8	96	94	2	80-120	20	--
Chromium	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	20.2	19.9	101	100	1	80-120	20	--
Cobalt	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	20.8	20.6	104	103	1	80-120	20	--
Copper	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	20.8	20.8	104	104	0	80-120	20	--
Lead	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	21.4	21.5	107	108	0	80-120	20	--
Molybdenum	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	19.7	19.9	99	100	1	80-120	20	--
Nickel	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	21.4	21.1	107	106	1	80-120	20	--
Selenium	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	19.8	20.1	99	100	2	80-120	20	--
Silver	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	22.0	21.7	110	109	1	80-120	20	--
Thallium	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	21.0	21.1	105	106	0	80-120	20	--

QA/QC Report
for
Metals

Reference #: NAM 23902 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Analyte	Date of Extraction	LCS Date of Analysis	LCSD Date of Analysis	Laboratory Sample #	SPC CONC	LCS	LCSD	%LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qual
Vanadium	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	20.1	19.8	100	99	2	80-120	20	--
Zinc	10/15/2018	10/16/2018	10/16/2018	JV1015181	20.0	19.9	19.4	100	97	3	80-120	20	--
Mercury	10/15/2018	10/16/2018	10/16/2018	JV1015182	1.00	1.12	0.993	112	99	12	80-120	20	--
Mercury	10/15/2018	10/15/2018	10/15/2018	SG1015181	1.00	1.01	1.11	101	111	9	80-120	20	--

QA/QC Report
for
Metals

Reference #: NAM 23902 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7470A**

Analyte	Date of Extraction	MS Date of Analysis	MSD Date of Analysis	Laboratory Sample #	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Antimony	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.200	0.203	100	101	1	75-125	20	--
Arsenic	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.202	0.199	101	100	1	75-125	20	--
Barium	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.205	0.206	102	103	0	75-125	20	--
Beryllium	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.191	0.191	95	95	0	75-125	20	--
Cadmium	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.204	0.205	102	102	0	75-125	20	--
Chromium	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.198	0.200	99	100	1	75-125	20	--
Cobalt	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.219	0.219	109	109	0	75-125	20	--
Copper	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.207	0.210	103	105	1	75-125	20	--
Lead	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.218	0.216	109	108	1	75-125	20	--
Molybdenum	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.196	0.196	98	98	0	75-125	20	--
Nickel	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.223	0.224	112	112	0	75-125	20	--
Selenium	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.185	0.199	93	100	7	75-125	20	--
Silver	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.216	0.217	108	108	0	75-125	20	--
Thallium	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.212	0.209	106	104	1	75-125	20	--
Vanadium	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.197	0.199	98	100	1	75-125	20	--
Zinc	10/15/2018	10/16/2018	10/16/2018	23902-024	0.00	0.200	0.207	0.204	103	102	1	75-125	20	--
Mercury	10/16/2018	10/17/2018	10/17/2018	23902-024	0.00	0.00500	0.00522	0.00524	104	105	0	80-120	20	--

QA/QC Report
for
Metals

Reference #: NAM 23902

Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

Analyte	Date of Extraction	LCS Date of Analysis	LCSD Date of Analysis	Laboratory Sample #	SPC CONC	LCS	LCSD	%LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qual
Antimony	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.199	0.201	100	100	1	80-120	20	--
Arsenic	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.190	0.199	95	100	5	80-120	20	--
Barium	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.200	0.204	100	102	2	80-120	20	--
Beryllium	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.191	0.192	95	96	1	80-120	20	--
Cadmium	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.201	0.203	100	101	1	80-120	20	--
Chromium	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.194	0.199	97	100	3	80-120	20	--
Cobalt	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.215	0.218	108	109	1	80-120	20	--
Copper	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.205	0.210	102	105	2	80-120	20	--
Lead	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.217	0.218	108	109	0	80-120	20	--
Molybdenum	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.191	0.194	95	97	2	80-120	20	--
Nickel	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.218	0.222	109	111	2	80-120	20	--
Selenium	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.194	0.202	97	101	4	80-120	20	--
Silver	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.207	0.213	103	106	3	80-120	20	--
Thallium	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.213	0.213	106	106	0	80-120	20	--
Vanadium	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.196	0.201	98	100	3	80-120	20	--
Zinc	10/15/2018	10/16/2018	10/16/2018	IR1015182	0.200	0.206	0.207	103	103	0	80-120	20	--
Mercury	10/16/2018	10/17/2018	10/17/2018	JV1016181	0.00500	5.09	4.98	101800	99600	2	80-120	20	--

Data Qualifier Definitions

Qualifier

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

23900-001	6010B	Antimony	MS/MSD
23900-001	6010B	Thallium	MS/MSD
23902-016	6010B	Antimony	MS/MSD
23902-016	6010B	Thallium	MS/MSD

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

23900-001	6010B	Barium	MS/MSD

Definition of terms:

R1	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request and Chain of Custody Record

Lab Job No: 23902
Page 1 of 3

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Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TURN AROUND TIME: Standard: ____ 72 Hours: X 48 Hours: ____ 24 Hours: ____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Cullip & Moore	PROJECT NAME:	Los Alamitos High School
SEND REPORT TO:	Patrick Cullip	NUMBER:	210808001
EMAIL:	pcullip@winyardmoore.com	ADDRESS:	3591 W. Cerritos Ave
ADDRESS:	425 Goddard Irvine, CA		Los Alamitos, CA
		P.O. #:	210808001
PHONE:	949 753 7070 FAX: —	SAMPLED BY:	OAM

ANALYSIS REQUEST / PRESERVATIVE: TPH by 8015B; VOCs EPA Method 8260B; TPH 22 Metals EPA 6010B/7470

	SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	TPH by 8015B	VOCs EPA Method 8260B	TPH 22 Metals EPA 6010B/7470							REMARKS/PRECAUTIONS
1	B28-2	1	10/12/18	1137	Soil	8oz Jar	X	X	X							
2	B28-5			1142												
3	DUP-6			—												
4	B31-2			1200												
5	B31-5			1206												
6	B27-2			1254												
7	B27-5			1258												
8	B32-2			1315												
9	B32-5			1320												
10	DUP-7			—												
11	B34-2			1415												
12	B34-5			1420												
13	DUP-8			—												
14	B33-2			1429												

Total No. of Samples: Method of Shipment: Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	10/12/18 1832	[signature]	10/12/18 06:32
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:

Sample Matrix:
DW - Drinking Water
GW - Groundwater
WW - Wastewater
SS - Soil/Solid
OT- Other

Sample Integrity:
Intact ____ On Ice ✓ 4 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, with Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup sampl

Analysis Request and Chain of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064 Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

Lab Job No: 23902
Page 2 of 3

REQUIRED TURN AROUND TIME: Standard: ✓ 72 Hours: ____ 48 Hours: ____ 24 Hours: ____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Niiyo & Moore	PROJECT NAME:	Alemitos High School
SEND REPORT TO:	Patrick Cullip	NUMBER:	210 808001
EMAIL:	pauline@niyoandmoore.com	ADDRESS:	3591 W. Cerritos Ave
ADDRESS:	475 Goddard		Los Alamitos, CA
	Irvine, CA	P.O. #:	210 808001
PHONE:	949 753 3070 FAX: —	SAMPLED BY:	DAH

ANALYSIS REQUEST / PRESERVATIVE: TPHg/DRO EPA 8015B; VOCs EPA 8260B; Title 22 Metals EPA 6010B/7470A

	SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	TPHg/DRO EPA 8015B	VOCs EPA 8260B	Title 22 Metals EPA 6010B/7470A	REMARKS/PRECAUTIONS
15	B33-5	1	10/12/18	1435	Soil	8oz jar	X	X	X	
16	B30-2	↓	↓	1446	↓	↓	↓	↓	↓	
17	B30-5	↓	↓	1450	↓	↓	↓	↓	↓	
18	B36-2	↓	↓	1505	↓	↓	↓	↓	↓	
19	B36-5	↓	↓	1515	↓	↓	↓	↓	↓	
20	B38-2	↓	↓	1535	↓	↓	↓	↓	↓	
21	B38-5	↓	↓	1540	↓	↓	↓	↓	↓	
22	B39-2	↓	↓	1546	↓	↓	↓	↓	↓	
23	B39-5	↓	↓	1550	↓	↓	↓	↓	↓	
24	FB-101218	4	↓	1600	liquid	amber glass 2 vials, poly bottle 2 vials	↓	↓	↓	
25	B37-2	1	↓	1607	Soil	8oz Jar	↓	↓	↓	
26	B37-5	↓	↓	1612	↓	↓	↓	↓	↓	
27	B35-2	↓	↓	1637	↓	↓	↓	↓	↓	
28	B35-5	↓	↓	1645	↓	↓	↓	↓	↓	

Total No. of Samples: Method of Shipment: Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	10/12/18 1832	[signature]	10/12/18 06:23
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:

Sample Matrix: DW - Drinking Water; GW - Groundwater; WW - Wastewater; SS - Soil/Solid; OT- Other

Sample Integrity: Intact ____ On Ice ✓ 4 °C

Analysis Request and Chain of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

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Tustin, CA 92780
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4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

Lab Job No: 23902
Page 3 of 3

REQUIRED TURN AROUND TIME: Standard: _____
72 Hours: X 48 Hours: _____ 24 Hours: _____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Nilup & Moore	PROJECT NAME:	Los Alamitos High School
SEND REPORT TO:	Patrick Cullip	NUMBER:	210808001
EMAIL:	Pcullip@niluporadmoore.com	ADDRESS:	3591 W Carlton Ave Los Alamitos
ADDRESS:	495 Goddard Irvine, CA	P.O. #:	210808001
PHONE:	949 753-7070 FAX: —	SAMPLED BY:	DAM

ANALYSIS REQUEST / PRESERVATIVE: TPH-gas EPA 8015B; VOCs EPA 8260B; TPH 22 Kutale EPA 8015B (lab prep)

	SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	TPH-gas EPA 8015B	VOCs EPA 8260B	TPH 22 Kutale EPA 8015B (lab prep)	REMARKS/PRECAUTIONS
29	B29-2	1	10/12/18	1700	Soil	8oz jar	X	X	X	
30	~~B29-5~~ on B26-2	↓	↓	1730	↓	↓	↓	↓	↓	
31	B26-5	↓	↓	1736	↓	↓	↓	↓	↓	
32	B25-2	↓	↓	1800	↓	↓	↓	↓	↓	
33	B25-5	↓	↓	1806	↓	↓	↓	↓	↓	
	Temperature Blank									

Total No. of Samples: Method of Shipment: Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	10/12/18 1832	[signature]	10/12/18 06:23
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:

Sample Matrix: DW - Drinking Water; GW - Groundwater; WW - Wastewater; SS - Soil/Solid; OT- Other

Sample Integrity: Intact _____ On Ice ✓ 4 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, with Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup sampl

Sample Receipt Report

Laboratory Reference NAM 23902 Logged in by MN

Received:	10/12/18 18:32	Company Name:	Ninyo & Moore
Method of Shipment:	Lab Pick-Up	Project Manager:	Mr. Patrick Cullip
Shipping Container:	Cooler	Project Name:	Los Alamitos High School
# Shipping Containers:	1	Project #:	210808001

Sample Quantity

Chain of Custody	Complete ☑	Incomplete ☐	None ☐
Samples On Ice	Yes, Wet ☑	Yes, Blue ☐	No ☐
Temperature	4°C		
Shipping Intact	Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Samples Intact	Yes ☑		No ☐
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated	Yes ☐	N/A ☑	No ☐
Proper Test Containers	Yes ☑		No ☐
Proper Test Preservations	Yes ☑		No ☐
Samples Within Hold Times	Yes ☑		No ☐
VOAs Have Zero Headspace	Yes ☑	N/A ☐	No ☐
Sample Labels	Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____