Appendix E:

Geology and Soils Supporting Information

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Phase II Environmental Site Assessment

71 Camaritas Avenue

South San Francisco, California 94083

Economic Development & Housing

400 Grand Avenue | South San Francisco, California 94080

October 6, 2021 | Project No. 404050002

Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

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Phase II Environmental Site Assessment
71 Camaritas Avenue
South San Francisco, California 94083

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October 6, 2021 | Project No. 404050002

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1 INTRODUCTION

Ninyo & Moore has prepared this Phase II Environmental Site Assessment Report (Report) for the property located at 71 Camaritas Avenue in South San Francisco, California (Site; Figure 1). This Report includes a summary of the soil, groundwater, and soil vapor assessment activities performed in September 2021, as proposed in Ninyo & Moore's August 19, 2021 *Proposal for Environmental Consulting Services*. A brief description of the Site background and summary of the assessment activities, analytical results, and conclusions are presented below in the following sections of this Report.

2 BACKGROUND

2.1 Site Description

The Site is located in a mixed commercial and residential use area of South San Francisco, California and consists of one commercial building, associated asphalt-paved parking lots, and sparsely vegetated land (Figure 2). The sparsely vegetated land area is used by the San Francisco Public Utilities Commission (PUC) as an easement for the abandoned Baden Pipeline and by San Andreas Pipelines 2 and 3, reportedly used for conveyance of water/sewage. The Site is bordered by Westborough Boulevard to the south, a bank to the northwest (101 Arroyo Drive), Camaritas Avenue to the northeast and east, and a residential property and vacant land to the west.

2.2 Site Background

The historical and current Site use is commercial. The Site is currently occupied by a liquor store and a restaurant. Prior to the restaurant the property was occupied by a delicatessen. According to a 2016 Phase I Environmental Site Assessment Report, prepared by Basic Environmental, a Mobile service station was formerly located at the corner of Camaritas Avenue and Arroyo Drive and closed in the 1980s. The City of South San Francisco plans to redevelop the Site as a fire station.

3 INVESTIGATION ACTIVITIES

To evaluate potential contamination to shallow soils, groundwater, and/or soil vapor at the Site, Ninyo & Moore conducted a Phase II investigation in September 2021. All field activities were overseen by Ninyo & Moore's Principal Geologist Kris Larson, a California Professional Geologist (PG # 8059). To meet the objectives, a total of 8 shallow borings were advanced for the collection of soil samples and one groundwater sample, and two soil vapor wells were installed for the

collection of soil vapor samples. A summary of the field activities is presented below and sample locations are shown on Figure 2.

Permits: A Subsurface Drilling Permit, for the borings and soil vapor well installations, was obtained from the San Mateo County Health Environmental Health Services. A copy of the permit is provided as Appendix A.

Underground Service Alert and Utility Survey: Prior to drilling activities, the boring locations were marked with white paint and/or stakes, and Underground Service Alert (USA) North was notified of the proposed drilling locations. Ninyo & Moore contracted the services of F3 & Associates, Inc., a private utility locator, to locate any subsurface utilities that may not have been marked by USA.

Drilling and Dates: Soil borings and soil vapor well installations were performed by VTS Drilling LLC, a C-57 licensed contractor, on September 8, 2021, under the oversight of a Ninyo & Moore field geologist.

Soil Borings: Five soil borings (SB-1 through SB-5) were advanced in the parking lot for the collection of soil and groundwater samples. Boring SB-1 was advanced by hand auger and using a Direct-Push drilling rig to a maximum depth of 15 feet below ground surface (ft bgs) for the collection of shallow soil samples and a groundwater sample. No groundwater was encountered during the drilling of SB-1, and therefore a groundwater sample could not be collected for this investigation. A step-out boring was advanced adjacent to SB-1 for the installation of soil vapor well SV-1. Borings SB-2 through SB-4 were advanced to 4 ft bgs, by hand auger, for the collection of soil samples. Boring SB-5 was advanced to 5.5 ft bgs for the collection of soil samples and was subsequently converted into soil vapor well SV-2. Three soil borings (SB-6 through SB-8) were advanced on the PUC easement by hand auger to a maximum depth of 1 ft bgs for the collection of shallow soil samples. Soils were logged by a Ninyo & Moore field geologist using the Unified Soil Classification System (USCS) and screened with a photoionization detector (PID) as a qualitative indicator of the potential occurrence of Volatile Organic Compounds (VOCs). Following sample collection, all boreholes were either backfilled with neat cement grout or converted to a soil vapor well, discussed further below. Boring logs are provided as Appendix B.

Soil Sampling: Two soil samples were collected at approximately 1 ft bgs and 4 ft bgs from borings SB1 through SB-5. Soil Samples from borings SB-6 through SB-8 were collected at approximately 1 ft bgs. Soil samples were collected in accordance with Environmental Protection Agency (EPA) Method 5035, using a Terra Core™ sampling kit, and clean glass jars supplied by the analytical laboratory. All samples were labelled, placed on ice in a cooler, and transported to

TestAmerica, a California-certified analytical laboratory, for analysis, under chain-of-custody (COC) procedures.

Soil Sample Analysis: Soil samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline (TPHg) and VOCs by EPA Method 8260B, TPH as diesel (TPHd) and motor oil (TPHmo) by EPA Method 8015B, Title 22 Metals by EPA Method 6010, and Organochlorine Pesticides (OCPs) by EPA Method 8081.

Soil Vapor Well Installation: Soil vapor well SV-1 was installed adjacent to soil boring SB-1. Boring SB-5 was converted to soil vapor well SV-2. Each soil vapor probe was installed at 5 ft bgs, with a 1-inch length stainless-steel probe connected to ¼-inch diameter Teflon® tubing and Swagelok® fittings. Each soil vapor probe was surrounded by 1-foot of Monterey 2/12 sand pack from 4.5 to 5.5 ft bgs, followed by 1-foot of dry granular bentonite and hydrated bentonite to approximately 0.5 ft bgs. Each soil vapor well was then completed with concrete and a flush-mounted traffic-rated well box. Soil vapor well construction details are provided in Appendix C.

Soil Vapor Sampling: Following at least 48-hours after soil vapor well installations, Ninyo & Moore collected soil vapor samples from soil vapor wells SV-1 and SV-2 on September 17th and 15th, 2021, respectively, using laboratory certified 1-liter Summa™ canisters.

Prior to sampling, a "shut-in" tightness test was performed on each sampling manifold. This was performed by sealing all openings to ambient air, opening the purge canister to establish a vacuum inside the sampling manifold and waiting to ensure the vacuum remained stable for a minimum of 2 minutes. Once the sampling manifold passed the "shut-in" tightness test, it was connected to the soil vapor well tubing and approximately three calculated well casing volumes were purged from the soil vapor well using a 6-liter purge can. Soil vapor samples were then collected using the sample canister to pull the soil vapor through the flow controller until a negative pressure of approximately 5-inches of mercury (Hg) was observed on the vacuum gauge. Prior to and after collecting each soil vapor sample, the vacuum of each sample canister was measured and recorded to ensure an adequate sample volume was collected.

In general accordance with the Department of Toxic Substance Control Advisory – Active Soil Gas Investigation guidance document, dated July 2015, quantitative leak testing was performed during sampling using helium as a tracer gas. During sampling, the soil vapor well vault, sample tubing, entire sampling train, and helium gas were enclosed within a rigid shroud. Helium concentrations inside the shroud were monitored using a helium meter and maintained at a minimum concentration of 20 percent during sampling. After sampling, the sample canisters were labeled and sent under COC procedures to Eurofins Air Toxics Laboratory (Air Toxics), a California-certified laboratory, for analysis. Soil vapor sampling field sheets are provided as Appendix D.

Soil Vapor Sample Analysis: Soil vapor samples were analyzed for total petroleum hydrocarbons (TPHg and VOCs) by EPA Method TO-15 and fixed gases (oxygen, methane, carbon dioxide and helium [leak detection compound]) by Modified Method ASTM D-1946.

Investigation Derived Waste: Soil cuttings generated during the drilling activities were placed in a 55-gallon steel drums, labeled, and temporarily stored in a secure location on-Site. The waste drum will be transported to and disposed at a licensed disposal facility.

4 INVESTIGATION RESULTS

4.1 Soil Sampling Results

TPHg, VOC, and OCP soil analytical results are presented in Table 1 and metals are presented in Table 2. Analytical results were compared against the San Francisco Bay Regional Water Quality Control Board (RWQCB) 2019 Residential, Commercial, and Construction Worker Environmental Screening Levels (ESLs). Arsenic concentrations in the San Francisco Bay Area typically exceed the Tier 1 ESL of 0.067 milligrams per kilogram (mg/kg) and have been replaced with the established background arsenic criterion of 11 mg/kg (Duverge, 2011¬). A copy of the laboratory analytical report is provided as Appendix E. A discussion of the analytical results is presented below.

4.1.1 Petroleum Hydrocarbons

TPHd and TPHmo were detected above laboratory reporting limits in all the samples collected with the exception of sample SB-5-4. TPHd concentrations ranged from 2.8 mg/kg to 140 mg/kg and TPHmo concentrations ranged from 18 mg/kg to 620 mg/kg. No TPHd or TPHmo concentrations exceeded the Residential, Commercial or Construction Worker ESLs. No TPHg was detected above the laboratory reporting limits.

4.1.2 VOCs

Very low concentrations of acetone and 2-Butanone were detected above laboratory reporting limits in samples SB-2-4 and SB-5-1, but did not exceed Residential, Commercial, or Construction Worker ESLs. No other VOCs were detected above the laboratory reporting limit.

4.1.3 OCPs

No OCPs were detected above the laboratory reporting limits.

4.1.4 Metals

Arsenic was detected above laboratory reporting limits in all the soil samples collected with the exception of sample SB-1-4. Arsenic was detected at concentrations ranging from 2.1 mg/kg to 4.0 mg/kg and exceed the Construction Worker ESL of 0.98 mg/kg, but do not exceed the established background criterion of 11 mg/kg.

Antimony was detected in all samples collected at concentrations ranging from 13 to 29 mg/kg, all of which exceed the Residential ESL of 11 mg/kg but do not exceed Commercial or Construction Worker ESLs.

Various concentrations of barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc were detected in select soil samples. None of the aforementioned metals detected exceeded their respective Residential, Commercial, and Construction Worker ESLs, where established.

4.2 Soil Vapor Well Sampling Results

Soil vapor analytical results are presented in Table 3. Soil vapor results were compared against RWQCB 2019 Residential and Commercial ESLs for Subslab/Soil Gas. A copy of the laboratory analytical report is provided as Appendix E. A discussion of the analytical results is presented below.

4.2.1 Petroleum Hydrocarbons

TPHg was detected in samples SV-1 and SV-2 at concentrations of 1,200 micrograms per cubic meter (µg/m^3) and 940 µg/m^3, respectively. Neither of these detections exceed the Residential ESL of 20,000 µg/m^3 or Commercial ESL of 83,000 µg/m^3.

4.2.2 VOCs

Benzene was detected at a concentration of 4.3 µg/m^3 in sample SV-2 which exceeds the Residential ESL of 3.2 µg/m^3, but is below the Commercial ESL of 14 µg/m^3. Chloroform was also detected in sample SV-2 at a concentration of 6.4 µg/m^3 which exceeds the Residential ESL of 4.1 µg/m^3, but is below the Commercial ESL of 18 µg/m^3.

Other VOCs detected above laboratory limits in samples SV-1 and/or SV-2 included toluene, ethylbenzene, xylenes, acetone, carbon disulfide, 4-methyl-2-pentanone, propylbenzene, 4-ethyltoluene, 2,2,4-trimethylpentane, 1,3,5-trimethylbenzene, and 1,2,4-trimethylbenzene.

None of the aforementioned VOCs exceeded their respective Residential or Commercial ESLs, where established.

4.2.3 Helium Leak Detection Results

All samples were analyzed for helium to quantitatively test for ambient air leaks. No helium was detected above the laboratory reporting limit in either SV-1 or SV-2. The helium leak test results confirm that all sample results are valid and representative of subsurface conditions.

5 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the Phase II environmental site assessment activities, the following conclusions are presented below.

- Low concentrations of petroleum hydrocarbons (TPHd and TPHmo) and select VOCs (acetone and 2-butanone) were detected in shallow soil samples. None of the detected analytes exceeded their respective Residential, Commercial, and Construction Worker ESLs, and are therefore considered a *de minimis* condition.

- Antimony was detected in all soil samples at concentrations ranging from 13 to 29 mg/kg, which exceed the Residential ESL of 11 mg/kg, but were below the Commercial ESL of 160 mg/kg. The Site is currently used for commercial purposes. Therefore, under the Site's current commercial use the concentrations of antimony in soil are not considered to be a significant business environmental risk.

- Arsenic was detected in all soil samples, except for SB-1-4, at concentrations ranging from 2.1 to 4.0 mg/kg and are below the San Francisco Bay Area background concentration of 11 mg/kg. Therefore, the concentrations of arsenic in soil are not considered to be a significant business environmental risk.

- Based on the soil analytical results, shallow Site soils would likely be characterized as non-hazardous for waste disposal purposes.

- Concentrations of petroleum hydrocarbons (TPHg, benzene, toluene ethylbenzene, and xylenes) were detected in soil vapor wells SV-1 and SV-2. TPHg was detected in SV-1 and SV-2 at a concentration of 1,200 and 940 µg/m^3, respectively. Ninyo & Moore understands that the historical Site use has been a liquor store and restaurant. Furthermore, Ninyo & Moore understands that a former fuel service station was historically located on the corner of Camaritas and Arroyo Avenues. Based on the relatively benign historical Site use, absence of any significant shallow soil analytical detections, and the reportedly former fuel service station on the northwest adjoining property, the petroleum hydrocarbons detected in soil vapor likely represents an off-site vapor encroachment condition emanating from the former fuel service station.

  Benzene was detected in SV-2 at a concentration of 4.3 µg/m^3 which is above Residential ESLs of 3.2 µg/m^3, but was below the Commercial ESL of 14 µg/m^3. Given that it is likely the benzene concentrations detected are related to a petroleum fuel release from the former fuel service station on the adjoining property, benzene was also compared to the State of California Water Resources Control Board Low-Threat Underground Storage Tank Case

Closure Policy (LTCP), residential and commercial criteria for direct measurement of soil gas concentrations (Appendix 4, Scenario 4, Soil Gas Sampling – No Bioattenuation Zone), effective August 17, 2012. Benzene concentrations are below both the LTCP residential and commercial criteria of 85 and 280 µg/m^3, respectively. Based on these comparisons against the LTCP criteria, the benzene concentrations detected in soil vapor are considered a *de minimis* condition, and are unlikely to pose a significant vapor intrusion risk to the current Site building occupants.

- Chloroform was also detected in SV-2 at a concentration of 6.4 µg/m^3; above the Residential ESL, but also below the Commercial ESL. Under the current Site use as commercial, the concentration of chloroform detected in soil vapor is not considered to be a significant business environmental risk or a significant vapor intrusion risk to the current Site building occupants.

Based on the understanding that the City of South San Francisco plans to redevelop the Site as a fire station, Ninyo & Moore offers the following recommendations:

- Arsenic was detected in soil at concentrations below the San Francisco Bay Area background concentration and is therefore considered a *de mininis* condition. However, concentrations did exceed the Construction Worker ESL of 0.98 mg/kg. Therefore, to protect construction workers from potential direct contact exposure to arsenic, Ninyo & Moore recommends that standard health and safety protocols and best management practices (BMPs) be implemented during any future construction activities that disturb Site soils. These health and safety protocols and BMPs may include, but are not limited to, dust control, donning appropriate personal protection equipment (PPE), and worker hygiene.

6 LIMITATIONS

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. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities.

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. 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.

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 content, interpretations presented, or completeness of this document.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

7 REFERENCES

San Francisco Bay Regional Water Quality Control Board, 2019 (Rev.2), Environmental Screening Levels.

Department of Toxic Substances Control, 2015, Advisory – Active Soil Gas Investigations, dated July.

Duverge, 2011. Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region. December.

California State Water Resources Control Board, Low-Threat Underground Storage Tank Case Closure Policy. Effective August 17, 2012.

TABLES

Table 1 – Soil Analytical Results - Petroleum Hydrocabons, VOCs, and OCPs

Sample ID	Depth (feet bgs)	Date Collected	TPHd	TPHmo	TPHg	Acetone	2-Butanone (MEK)	OCPs
			(mg/kg)					
SB-1-1	1.0	09/08/21	49	310	ND<0.44	ND<0.016	ND<0.0078	ND
SB-1-4	4.0	09/08/21	4.8	31	ND<0.43	ND<0.017	ND<0.0083	ND
SB-2-1.5	1.5	09/08/21	8.4	54	ND<0.41	ND<0.016	ND<0.0078	ND
SB-2-4	4.0	09/08/21	8.1	46	ND<0.41	0.076	0.019	ND
SB-3-1	1.0	09/08/21	140	620	ND<0.46	ND<0.018	ND<0.0091	ND
SB-3-4	4.0	09/08/21	5.8	29	ND<0.45	ND<0.018	ND<0.0090	ND
SB-4-1	1.0	09/08/21	51	360	ND<0.39	ND<0.016	ND<0.0078	ND
SB-4-4	4.0	09/08/21	2.8	19	ND<0.40	ND<0.016	ND<0.0082	ND
SB-5-1	1.0	09/08/21	3.6	18	ND<0.40	0.028	0.0082	ND
SB-5-4	4.0	09/08/21	ND<1.1	ND<5.6	ND<0.37	ND<0.015	ND<0.0073	ND
SB-6-1	1.0	09/08/21	13	49	ND<0.45	ND<0.018	ND<0.0090	ND
SB-7-1	1.0	09/08/21	8.8	35	ND<0.43	ND<0.017	ND<0.0086	ND
SB-8-1	1.0	09/08/21	11	41	ND<0.45	ND<0.018	ND<0.0091	ND
ESL Criteria [1]								
Residential ESLs			260 [a]	12,000 [a]	430 [a]	61,000 [a]	27,000 [a]	Various
Commercial ESLs			1,200 [a]	180,000 [a]	2,000 [a]	670,000 [a]	200,000 [a]	Various
Construction Worker ESLs			1,100 [a]	54,000 [a]	1,800 [a]	270,000 [a]	120,000 [a]	Various

Notes:

TPH = total petroleum hydrocarbons

TPHd = TPH as diesel, analyzed by Environmental Protection Agency (EPA) 8015B

TPHmo = TPH as motor oil, analyzed by EPA Method 8015B

TPHg = TPH as gasoline, analyzed by EPA Method 8260B

MEK = Methyl ethyl ketone

VOCs = volatile organic compounds, analyzed by EPA Method 8260B

OCPs = Organochlorine pesticides, analyzed by EPA Method 8081A

bgs = below ground surface

mg/kg = milligrams per kilogram

ND = not detected (see analytical report for reporting limit)

ND<X = analyte not detected at or above laboratory reporting limit X

[1] = San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs), 2019 (Rev. 2)

[a] = non-cancer hazard

Table 2 – Soil Analytical Results - Metals

Sample ID	Depth (feet bgs)	Date Collected	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg																
SB-1-1	1.0	09/08/21	**28**	**3.2**	63	1.0	ND<0.21	56	8.2	9.7	4.7	ND<2.1	ND<0.041	32	ND<2.1	ND<0.53	ND<2.1	41	24
SB-1-4	4.0	09/08/21	**19**	ND<2.2	69	0.73	ND<0.22	43	5.9	8.3	5.0	ND<2.2	ND<0.043	23	ND<2.2	ND<0.55	ND<2.2	32	21
SB-2-1.5	1.5	09/08/21	**26**	**2.9**	62	0.96	ND<0.22	56	8.7	11	3.5	ND<2.2	ND<0.047	28	ND<2.2	ND<0.54	ND<2.2	46	24
SB-2-4	4.0	09/08/21	**13**	**2.1**	68	0.57	ND<0.21	32	4.2	7.7	5.9	ND<2.1	ND<0.045	14	ND<2.1	ND<0.54	ND<2.1	26	24
SB-3-1	1.0	09/08/21	**14**	**4.0**	62	0.65	ND<0.21	38	6.6	9.7	13	ND<2.1	ND<0.042	27	ND<2.1	ND<0.52	ND<2.1	32	30
SB-3-4	4.0	09/08/21	**16**	**3.0**	58	0.67	ND<0.21	42	5.6	8.1	21	ND<2.1	0.048	28	ND<2.1	ND<0.53	ND<2.1	28	29
SB-4-1	1.0	09/08/21	**14**	**2.3**	50	0.63	ND<0.21	34	5.5	11	14	ND<2.1	0.044	23	ND<2.1	ND<0.53	ND<2.1	28	27
SB-4-4	4.0	09/08/21	**15**	**2.4**	50	0.62	ND<0.21	35	4.9	7.6	18	ND<2.1	0.044	22	ND<2.1	ND<0.54	ND<2.1	27	85
SB-5-1	1.0	09/08/21	**16**	**2.3**	47	0.69	ND<0.22	37	6.5	7.4	11	ND<2.2	ND<0.042	24	ND<2.2	ND<0.54	ND<2.2	30	22
SB-5-4	4.0	09/08/21	**29**	**3.4**	42	1.0	ND<0.22	58	7.5	13	3.4	ND<2.2	ND<0.045	39	ND<2.2	ND<0.54	ND<2.2	41	23
SB-6-1	1.0	09/08/21	**17**	**3.6**	80	0.77	ND<0.21	47	13	10	9.6	ND<2.1	0.048	44	ND<2.1	ND<0.53	ND<2.1	32	27
SB-7-1	1.0	09/08/21	**23**	**3.2**	65	0.90	ND<0.21	54	6.7	14	8.9	ND<2.1	0.055	41	ND<2.1	ND<0.52	ND<2.1	38	30
SB-8-1	1.0	09/08/21	**24**	**3.9**	57	0.91	ND<0.20	53	7.2	13	12	ND<2.0	0.045	37	ND<2.0	ND<0.51	ND<2.0	36	30
ESL Criteria [1]																			
Residential ESLs			11	11*	15,000	16	78	NE	23	3,100	80	390	13	820	390	390	0.78	390	23,000
Commercial ESLs			160	11*	220,000	230	1,100	NE	350	47,000	320	5,800	190	11,000	5,800	5,800	12	5,800	350,000
Construction Worker ESLs			50	0.98	3,000	27	51	NE	28	14,000	160	1,800	44	86	1,700	1,800	3.5	470	110,000
State and Federal Waste Characterization Trigger Values																			
STLC x 10 [2]			150	50	1,000	7.5	10	50	800	250	50	3,500	2	200	10	50	70	240	2,500
TCLP x 20 [3]			NE	100	2,000	NE	20	100	NE	NE	100	NE	4	NE	20	100	NE	NE	NE

Notes:

Metals analyzed by Environmental Protection Agency (EPA) Method 6010B, Mercury analyzed by EPA Method 7471A

mg/kg = milligrams per kilogram

bgs = below ground surface

ND = not detected

ND<X = not detected at or above laboratory reporting limit X.

NE = not established

Bold indicates concentration is at or exceeds ESL criteria

[1] = San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs), 2019 (Rev. 2)

[2] = SLTC - soluble threshold limit concentration, California Code of Regulations, Title 22 Division 4.5, Chapter 11, Article 3, Section 66261.2 Exceedance of STLC prompts analysis of TCLP

[3] = TCLP - toxicity characteristic leaching procedure, Code of Federal Regulations, Part 40, Title 261

* Arsenic concentrations in the San Fancisco Bay Area typically exceed the Tier 1 ESL of 0.067 mg/kg and have been replaced with a criterion of 11 mg/kg per Dylan Jacques Duvergé's "Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Area" an approved Thesis for Master of Science in Geoscience, San Francisco State University, December, 2011, DTSC/SFRWQCB

Table 3 – Soil Vapor Analytical Results

Sample ID	Date Collected	Depth (feet bgs)	Petroleum Hydrocarbons								VOCs										Fixed Gases			
			TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Total Xylenes	MTBE	Acetone	Carbon Disulfide	Chloroform	4-Methyl-2-pentanone	Propylbenzene	4-Ethyltoluene	2,2,4-Trimethylpentane	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	All Other VOCs	Helium	Methane	CO_2	Oxygen
			($\mu g/m^3$)																		(%)			
SV-1	09/17/21	5.0	1,200	ND<3.2	7.7	7.6	19	9.3	28	ND<14	ND<24	ND<12	ND<4.9	ND<4.1	ND<5.0	6.7	8.4	5.9	13	ND	ND<0.10	ND<0.00020	13	5.9
SV-2	09/15/21	5.0	940	**4.3**	44	20	88	24	112	ND<14	32	16	**6.4**	4.7	7.4	36	12	19	36	ND	ND<0.098	0.40	18	1.3
ESL[1]/LTCP[2] Criteria																								
Residential ESLs			20,000 [a]	3.2	10,000 [a]	37	NE	NE	3,500 [a]	360	1,100,000 [a]	NE	4.1	100,000 [a]	NE	NE	NE	NE	NE	NE	--	--	--	--
Commercial ESLs			83,000 [a]	14	44,000 [a]	160	NE	NE	15,000 [a]	1,600	4,500,000 [a]	NE	18	440,000 [a]	NE	NE	NE	NE	NE	NE	--	--	--	--
LTCP Residential - No Bioattenuation Zone			NE	85	NE	1,100	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	--	--	--	--
LTCP Commercial - No Bioattenuation Zone			NE	280	NE	3,600	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	--	--	--	--

Notes:

% - percent

µg/m³ = micrograms per meters cubed

bgs = below ground surface

ND = not detected (see laboratory report for reporting limit)

NE = not established

-- = not analyzed, not applicable, or not available

ND<X = analyte not detected at or above laboratory reporting limit X

Fixed gasses analyzed by American Society for Testing Materials (ASTM) Method D 1946

TPHg = total petroleum hydrocarbons as gasoline

MTBE = methyl tert butyl ether

CO_2 = carbon dioxide

TPHg and VOCs - Volatile organic compounds, analyzed by Environmental Protection Agency (EPA) TO-15

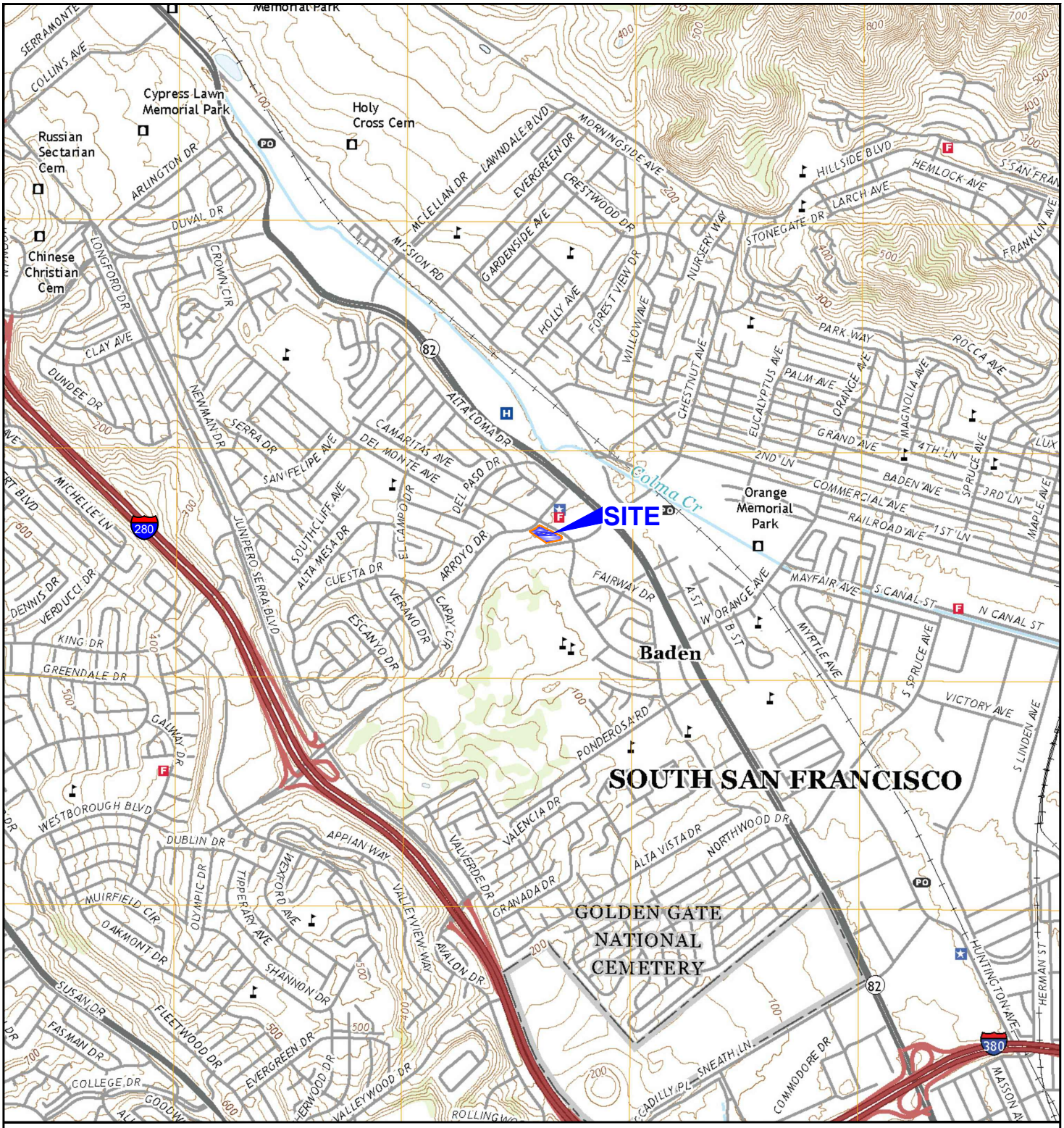
[1] = San Francisco Bay Regional Water Quality Control Board (RWQCB) Residential Environmental Screening Levels (ESLs), 2019 (Rev. 2)

[2] = State Water Resources Control Board Low Threat Closure Policy, 2012. Scenario 4

[a] = Non-cancer Hazard

Bold - indicates concentration is at or exceeds residential and/or commercial ESL

FIGURES



404050002.dwg 09/28/2021 AEK

NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE I REFERENCE: USGS, 2018

N

SCALE (FEET)

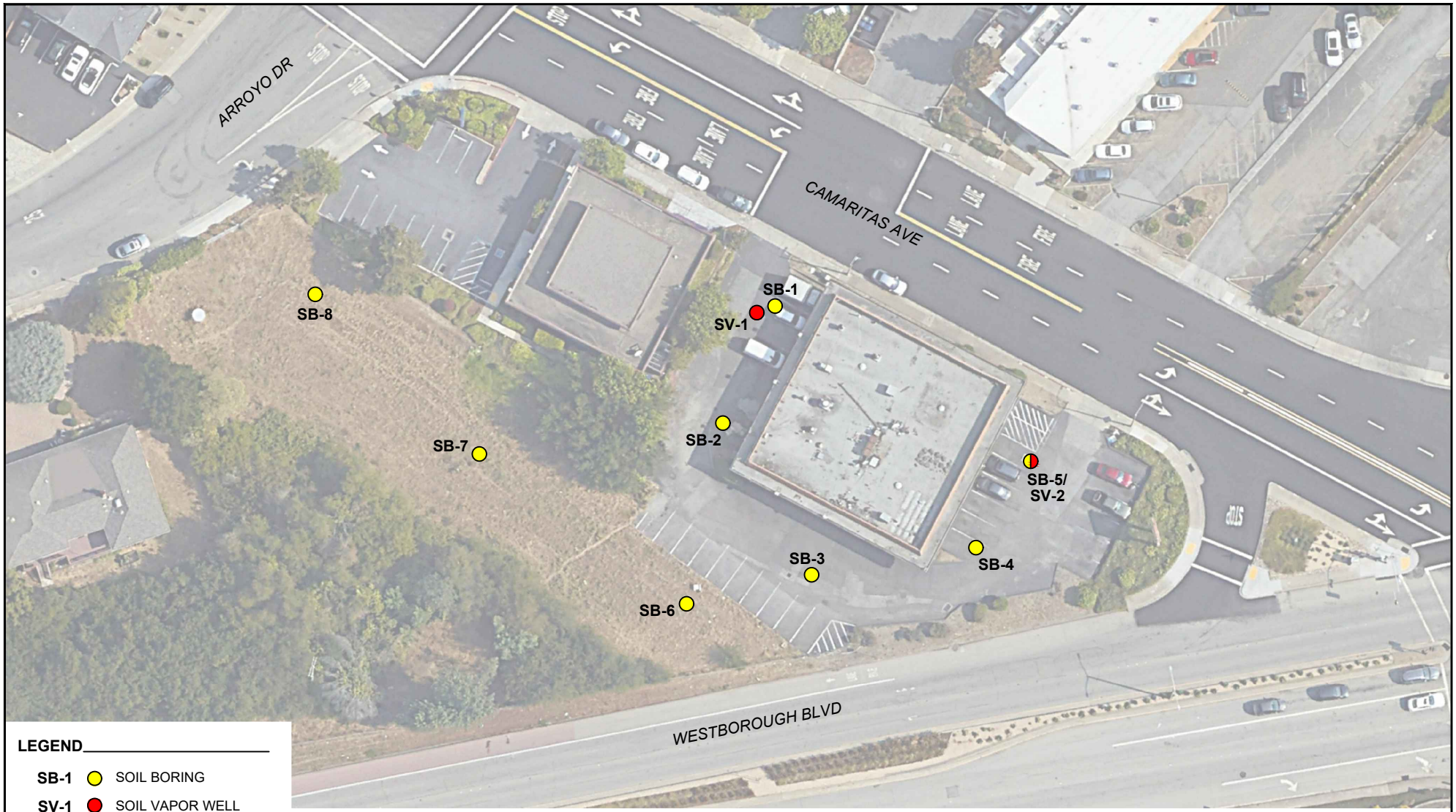
0 2,000 4,000

FIGURE 1

SITE LOCATION

PHASE II ENVIRONMENTAL SITE ASSESSMENT
71 CAMARITAS AVENUE
SOUTH SAN FRANCISCO, CALIFORNIA
404050002 I 10/21

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants



NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE | REFERENCE: GOOGLE EARTH, 2021

404050002.dwg 09/28/2021 AEK

FIGURE 2

SITE PLAN

PHASE II ENVIRONMENTAL SITE ASSESSMENT
71 CAMARITAS AVENUE
SOUTH SAN FRANCISCO, CALIFORNIA
404050002 I 10/21

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

APPENDIX A

Permit

ORDINANCE: 04023

SAN MATEO COUNTY HEALTH
ENVIRONMENTAL HEALTH SERVICES

PERMIT 21-1274

P/E: 2010 MONITORING WELLS - INSTALLATION/DESTRUCTION

FACILITY:
71 CAMARITAS AVE, SOUTH SAN FRANCISCO

OWNER:
CITY OF SOUTH SAN FRANCISCO
400 GRAND AVE
SOUTH SAN FRANCISCO

WP0013234 FA0069688
010402240
AMOUNT PAID: 747.00

CONTRACTOR:
VTS DRILLING

TERMS & CONDITIONS:

MONITORING/VAPOR WELL INSTALL/DESTRUCT (2)
CONSTRUCT SOIL BORINGS (10)
CONSULTANT: NINYO & MOORE
PROJECT MGR: BRYAN FONG

KIAN ATKINSON
ENVIRONMENTAL HEALTH SPECIALIST

DATE ISSUED: 9/6/2021

EXPIRATION DATE: 1/6/2022

THIS CERTIFICATE IS NONTRANSFERABLE AND MUST BE POSTED ON-SITE IN A CONSPICUOUS PLACE.

DocuSign Envelope ID: 73BABA7C-9FAD-4847-9B66-29A304CFD8CE

SAN MATEO COUNTY HEALTH
ENVIRONMENTAL HEALTH SERVICES

PAID $747.00 CC VISA

Environmental Health Services
Groundwater Protection Program
2000 Alameda de las Pulgas, Suite #100
San Mateo, CA 94403
Phone: (650) 372-6200 | Fax: (650) 627-8244
smchealth.org/gpp

RECEIVED SEP 03 2021

SUBSURFACE DRILLING PERMIT APPLICATION

Allow three (3) full working days for processing a complete permit application which includes payment (one permit per parcel). Drilling **start date & time** must be scheduled with County staff at (650) 464-0047 or drilling@smcgov.org **at least 2 full working days (i.e. 48 hours) in advance.**
Visit smchealth.org/ehfees for Groundwater Protection Program fees.

PURPOSE OF APPLICATION: ☒ Groundwater Monitoring/Vapor Well Installation ☒ Construct Soil Borings (variance request if to be left open >24 hrs) ☒ Groundwater Monitoring/Vapor Well Destruction Extension of Permit # ____
No. of Wells 2 No. of Borings 10 Well/Boring Names SV-1, SV-2, SB-1 through SB-8

PURPOSE OF DRILLING: ☒ Environmental ☐ Geotechnical LEAD AGENCY ☐ County GPP (permit approval is not to be considered work plan approval) ☐ RWQCB/DTSC/USEPA (Provide approval letter) ☒ None (i.e. voluntary)

SITE / DRILLING INFORMATION

Agency Case # ____ Assessor's Parcel # (required) 010402240 (one per permit)
Drilling Location Address: 71 Camaritas Avenue City: So. San Francisc Zip: 94080
To Be Constructed In: ☐ Public Property ☒ Private Property ☐ Refuse
Maximum Proposed Depth (wells/borings) 15 (feet) Drilling Method: Hand auger/direct push
Boring Diameter: 4" max Casing Diameter: 1/4" teflon Filter Pack Interval: 1 ft Screen Interval: < 6 inches
Destruction Method: (6 gallons water max/94 lb cement, up to 5% bentonite) ☐ Pressure Grouting (provide well construction logs and grout calcs) ☒ Overdrilling (guide rods for total depth prior to starting required)

WELL/BORING OWNER (Well/boring owner name or contact person should match signature)

Name: City of South San Francisco Contact Person: Julie Barnard
Address: 400 Grand Avenue City, State, Zip: South San Francisco, CA 94080
Telephone: 650-773-8176 Email: julie.barnard@ssf.net
It is my responsibility to notify the County of any known changes in the purpose of this well/boring from that which is indicated on this application, to submit indication of annual usage of wells to the County, and to maintain the well in good condition. *(Letter signed by well/boring owner/contact person, containing above language and attesting to knowledge of all permit requirements and conditions, may be substituted for signature.)*
Well/Boring Owner's/Contact Person's Signature: Julie Barnard E6AEACE1293D4E1... Date: August 26, 2021 | 9:51:

PROPERTY OWNER (Name as appears on assessor's roles should match signature)

Name: Suresh Gandhi Contact Person: Suresh Gandhi
Address: 501 Easton Avenue City, State, Zip: San Bruno, CA 94066
Phone: 650-773-8176 Email: gandhicpa@yahoo.com
I understand that a well/boring is being installed on my property. I agree to notify the County and Well Owner of any known damage or future access issues to the well *(Letter signed by property owner, containing above language, or encroachment permit may be substituted for signature)*
Property Owner's Signature: DocuSigned by: Suresh Gandhi 690794267DB34F1... Date: August 26, 2021 | 10:

DRILLING COMPANY

Drilling Company: VTS Drilling Contact Person: Glenn Reiss
Address: 31693 Hayman Street City, State, Zip: Hayward, CA 94544
Phone: 415-378-0415 Email: glenn@vtsdrilling.com C57 Drillers License # 916085
I certify that the well/boring will be constructed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards, and that the license listed above is considered current and active by the Contractors State License Board.
Driller's Signature: ____ Date: ____

CONSULTANT COMPANY

Consultant Company: Ninyo & Moore Project Manager: Bryan Fong
Address: 2020 Challenger Drive, Suite 103 City, State, Zip: Alameda, CA 94501
Telephone: 510-691-7695 Email: bfong@ninyoandmoore.com
Field Contact & Cell # (if known): ____
I certify that this application is correct to the best of my knowledge and the well/boring will be constructed/destroyed in compliance with the conditions of this permit (see page 2), the San Mateo County Well Ordinance, and the State Water Well Standards. I understand that I am responsible for General Conditions E, F, K, and L of this permit and if I indicated the purpose of drilling is geotechnical, then no one will use the boring to collect any samples for environmental analyses. If there is a change in Responsible Professional, I will notify San Mateo County GPP staff.
Responsible Professional's Name (Please print legibly): Kris Larson
Responsible Professional's Signature: ____ Date: ____
California Professional Geologist (PG) No. 8059 or Civil Engineer (PE) No. ____

FA696688

SAN MATEO COUNTY HEALTH
ENVIRONMENTAL HEALTH SERVICES

Environmental Health Services
Groundwater Protection Program
2000 Alameda de las Pulgas, Suite #100
San Mateo, CA 94403
Phone: (650) 372-6200 | Fax: (650) 627-8244
smchealth.org/gpp

SUBSURFACE DRILLING PERMIT APPLICATION CHECKLIST

CHECKLIST

- ☐ Legibly filled in all appropriate blanks and boxes, except signature and date (review instructions to verify appropriate fields to leave any lines blank or unchecked).
- ☐ Have all required signatures (can be on separate pages, do not need to be wet signatures).
- ☐ Include appropriate fee with application. Payment can be made by credit card over phone to (650) 372-6200 (indicate when and how application submitted).
- ☐ Include scaled site map of site in relation to cross streets and drilling location in relation to site features.
- ☐ Show approximate location(s) and ID/Name of well/borings.
- ☐ For well installations, indicate (i.e. mark on permit application) anticipated destruction method of these wells. May be asked to provide written description for small diameter (<2") wells.
- ☐ For well destructions via pressure grouting, included well construction logs and grout volume calculations. An approved work plan is required for all well destructions.
- ☐ Shallow (<10') vapor wells do not need to be permitted. However, still must comply with well standards for installation and destruction (i.e. do not use bentonite alone in vadose zone for sanitary seal and remove all non-native material).
- ☐ Notify permitting inspector 2 full working days prior to start of drilling.
Separate notification to case worker if known contaminated site.
- ☐ Consultant must submit all required information within 60 days of drilling (preferably to drilling@smcgov.org).
- ☐ For Borings and wells: require logs, site map, and analytical data.
- ☐ For wells: require surveyed coordinates and elevation, Well Completion Report (or indicate upload to Department of Water Resources Online System of Well Completion Reports DWR's OSWCR).

COMMON MISTAKES TO AVOID ON APPLICATION

Listed **potential** buyer as Property Owner,

Listed case's address rather than drilling location's address.

Failed to include Assessor's Parcel Number of the drilling location.

- Provided variance justification memo if temporary wells/borings may need to be left open for more than 24 hours to wait for groundwater recharge with estimate of maximum time needed.

- Permit is for **one mobilization** only. If work included in this permit cannot be done in a single mobilization, another permit may be required.

- Well owner must submit indication of annual use of wells (monitoring reports in association with corrective action requests satisfies this requirement); otherwise, wells need to be destroyed within year of last originally intended use.

- Any application for drilling within a landfill (geotechnical or environmental) must be accompanied by a work plan. Work plans must be approved by San Mateo County Environmental Health Services (EHS) and the Groundwater Protection Program prior to drilling.

SUBSURFACE DRILLING PERMIT APPLICATION

REQUIREMENTS

An accurate and correct map **must** be submitted with the application and include the following: north arrow, existing and historic site features, existing and proposed well/boring locations with ID's to scale, property lines and any other pertinent information. A work plan describing the drilling and construction/destruction methodology must be submitted to County staff. A complete application with appropriate fees must be submitted 3 working days in advance of drilling and notification of start date and time must be provided at least 2 working days prior to drilling. The permit is subject to both General and Special Conditions stated below. A copy of the approved Subsurface Drilling Permit **must** be available on site while work related to the permit is being performed. **Drilling may begin at the notified date and time whether County staff is present or not.**

GENERAL CONDITIONS

A. ***Field notification must be provided to GPP drilling inspection staff at least 2 full working days prior to the start of drilling. GPP Caseworker also must be notified if site is associated with a remedial action case.***

B. Well and boring construction and destruction under this permit are subject to the Standards for the Construction of Wells in San Mateo County, County Groundwater Protection Program (GPP) Guidelines, Policies & Procedures, the State Water Well Standards, and any instructions by EHS representative.

C. Well/Boring Owner, Driller, and Responsible Professional assume responsibility for all activities and uses under the permit, including compliance with Workmen's Compensation Laws, and indemnify, defend and save the County of San Mateo, its officers, agents and employees, free and harmless from any and all expense, cost, or liability in connection with or resulting from work or stopped-work associated with the permit, including, but not limited to, property damage, personal injury, wrongful death, and loss of income.

D. All borings **must** be properly destroyed (grouted/sealed) within 24 hours of drilling, unless special conditions are approved beforehand in writing as part of this permit, and must be continuously protected and stabilized.

E. Analytical results of all soil, vapor, and groundwater samples collected during the execution of drilling under this permit **must** be submitted to County GPP staff by the Responsible Professional within 60 days of sample collection. If contamination is discovered during drilling, verbal notification to County GPP by the Responsible Professional is **required** within 72 hours of discovery. Proper storage, labeling & disposal of investigation-derived residual wastes are the responsibility of the consultant unless stated otherwise contractually.

F. Boring logs, well construction details, and finalized as-built location map for all borings/ wells (except geotechnical borings) signed by a Responsible Professional, **must** be submitted to County GPP by the Responsible Professional within 60 days of drilling/construction/destruction. DWR Form 188 must be filed with the State per water code 13752.

G. Permit is valid only for the purpose specified herein. No change in purpose or required procedures, as described on this permit application, in the associated workplan, or in the special conditions below, will be allowed except upon written permission from the County. Construction aspects can be changed based on conditions encountered in the field.

H. **Permit is valid for one mobilization** associated with originally permitted boring/well locations only, including contingency locations, and is automatically canceled if not exercised, or if an extension is not applied for and granted within 120 days of the original permit issuance date. Failure to notify staff of cancellation or delay in start time will result in the Consultant being billed an inspection cancellation fee if GPP staff attempted to perform an inspection. Fees are listed at smchealth.org/ehfees.

I. Wells installed under this permit may not be used for domestic, municipal, agricultural, or irrigation water supply.

J. All work performed **must** conform to Business and Profession Codes and State Water Well Standards.

K. Top-of-casing elevation of all wells **must** be surveyed to the nearest 0.01-foot relative to Mean Sea Level or NAVD88 and submitted to County GPP within 60 days of drilling, and to State GeoTracker as appropriate. Geotechnical wells are exempt from this requirement if a written variance from GPP is obtained prior to drilling.

L. Latitude and longitude of all wells **must** be surveyed with sub-meter accuracy relative to NAD83 and submitted to County GPP within 60 days of drilling, and to State GeoTracker as appropriate.

M. Violation of any requirement or general or special permit condition may result in an order by GPP staff to cease work under this permit, correct the violation, potentially re-permit the work as a new mobilization, and potential actions may be taken against the Well Owner, Property Owner, or Responsible Professional by GPP.

SPECIAL CONDITIONS: _____

(agency use only) _____

_____

_____

Agency Use Only:

Signature: _____ FA # _____ Date: 8/31/2021

PERMIT APPLICATION INSTRUCTIONS AND FEES

A subsurface drilling permit for borings and wells is required if groundwater is anticipated to be encountered or if drilling extends to 10 feet or deeper. Sub-slab and vapor wells shallower than 10 feet do not require a permit. Should groundwater be encountered shallower than 10 feet unexpectedly, then contact San Mateo County EHS Groundwater Protection Program (GPP) immediately and a permit application will be required retroactively. GPP is the permitting agency for all subsurface drilling for environmental and geotechnical purposes within San Mateo County. San Mateo County EHS Land Use Program (LUP) reviews all water well permit applications (smchealth.org/environ/forms) for public supply, domestic, agricultural, cathodic protection, exploratory, and geothermal heat exchange well construction and destruction and permit applications for all reconnaissance, investigation, and excavation work strictly for land use purposes. Please contact the LUP at (650) 372-6200 to discuss permitting, notification, and drilling requirements.

A 120-day extension may be granted for permits which have not been used during the original 120-day time frame. Submit another Subsurface Drilling Permit Application and payment for the permit extension fee at 50% of the fee for the type of drilling. Extension must be requested prior to the original permit expiring. If there are several wells and borings over several contiguous assessor's parcels and public right-of-ways, then discuss the fee with the County inspector at (650) 464-0047 or drilling@smcgov.org. The County inspector may charge only one fee for borings and wells constructed across contiguous assessor's parcels and public right-of- ways. However, this is dependent on how much the County inspector believes will need to be inspected in the field and how much review time of required submittals will be needed.

Section 1: Purpose of Application

At least one of the four boxes must be selected; however, multiple boxes may be selected as long as all of the wells and borings are on the same assessor's parcel or public right-of-way (see Section 4). A **boring** under this permit application is defined as a constructed hole lasting less than 24 hours before being properly destroyed. After 24 hours, the constructed hole is considered a **well** under this permit application which needs to be constructed appropriately unless special conditions are approved as part of the permit. If permit extension is selected, then write in the permit number of the permit to be extended. List the number of wells and borings anticipated to be drilled and what they will be named. This number may change in the field based on conditions encountered.

Section 2: Purpose of Drilling

At least one of the two boxes must be selected; however, both boxes may be selected as long as both purposes of drilling are to be conducted on the same assessor's parcel or public right-of-way (see Section 4). Geotechnical drilling may also be conducted under San Mateo County's Annual Geotechnical Drilling Permit in which consulting companies pay an annual fee to perform this type of drilling an unlimited amount of times for 365 days after obtaining the Annual Geotechnical Drilling Permit. Fees are listed at **smchealth.org/ehfees.** Please note, a Notification Form (not available on website) similar to this Subsurface Drilling Permit Application must be completely filled out and submitted at least 2 business days (48 hours) prior to drilling under the Annual Geotechnical Drilling Permit.

Section 3: Lead Agency

One of the three boxes must be selected. The **EHS GPP** would be selected only for investigations of known contaminated sites that the County is the lead agency. For drilling required by the Regional Water Quality Control Board **(RWQCB)**, Department of Toxic Substances Control **(DTSC)**, or the United States Environmental Protection Agency **(USEPA)**, please include a copy of their approval letter. **None** would refer to investigations required by the County CUPA (Hazardous Materials Program), County Land Use or Solid Waste Programs, County or City Planning or Building Departments or voluntary investigations for due diligence or property transactions.

Section 4: Drilling Information

All applicable spaces must be filled in. **Agency Case #** refers to the lead agency's case number, if overseen by an agency, for the project under which the investigation is being conducted. **Assessor's parcel number** is the 9-digit number corresponding to the specific private property the drilling is proposed to be conducted on (can be found under Secured Property Taxes at **sanmateocountytaxcollector.org** or **here**).Each permit **must** include only one assessor's parcel number. If the drilling is to be conducted only in public right-of-ways, then the assessor's parcel number space should be filled in with N/A for not applicable. If drilling is to occur on both a private property and a contiguous public right-of-way, then two permits (one for the private property and one for the public right-of-way) must be filled out. **Address, City, and Zip** refer to the location of the specific property drilling is proposed to be conducted on. The address for a public right-of-way would simply be the name of the specific section of the public right-of-way (ie. 100 block of Main Street). **To be Constructed in** must have one box selected. Again, this differentiates between a public right-of-way and a private property. **Refuse** is a special land use designation which needs to be indicated on the permit application.

PERMIT APPLICATION INSTRUCTIONS AND FEES (CONTINUED)

Section 4: Drilling Information (continued)

The rest of this section is self-explanatory, may change in the field based on conditions encountered, and must be filled in except **Destruction Method** for borings only. Schematics may be submitted instead of filling in the well construction details, particularly if wells will be constructed differently from each other.

Destruction Method requires the use of a maximum of 7 gallons of water per 94 pounds of cement. This measurement (for both water and cement) must be able to be demonstrated in the field upon request from the inspector (such as using a 5-gallon bucket for measuring the water and using entire bags of cement). For **pressure grouting**, the well construction log and grout calculations must be submitted. The sand pack may not be more than 3 feet above the top of the screened interval, the screened interval may not be longer than 25 feet, and the bottom of the original boring may not be more than 2 feet deeper than the bottom of the constructed well. The total depth of the well and the fact that there are no obstructions in the well must be verified in the field. Type I/II cement grout must be tremied into the well, followed by application of 25 psi pressure maintained for 5 minutes. If the well does not meet pressure grouting criteria, it must be destroyed by drilling out to the total depth of the original boring. For **overdrilling**, the well casing and all annular material must be removed using a guide rod for the entire depth of the well inserted prior to drilling, and the boring tremie grouted to the surface using Type I/II cement grout. A general observation is that grouting borings using a ¾ inch PVC pipe, typically used to collect grab groundwater samples in borings, does not work with a screened section. Free falling grout is only allowed if the boring is dry, or if water is present in less than 10% of the boring, and less than 30 feet deep. Grout calculations must be provided in a well destruction workplan.

Section 5: Well/Boring Owner

The **name** of the entity owning the wells and borings must be listed along with their contact person (if different from the name of the well/boring owner), address, telephone number, and email address. The **contact person** must be directly associated with or an agent of the entity owning the wells and borings such as a property manager, real estate manager, contractor, or lawyer but not the environmental consultant listed on the permit application in Section 8. A **phone** number and an **email** address must be provided to allow the inspector to contact the well/boring owner to verify information if necessary. By providing an email address, the well/ boring owner will receive an electronic copy of the permit. The permit application must be **signed** and **dated** by either the entity listed as the owner of the wells and borings or the contact person. **Signatures (Sections 5 through 8)** do not need to be original; however, one copy of the permit application must contain all of the information besides the signatures in a legible format. ALL SIGNATURES REQUIRED (SECTIONS 5 THROUGH 8) DO NOT NEED TO BE ON THE SAME COPY OF THE PERMIT APPLICATION.

Section 6: Property Owner

The **name** of the entity owning the property must be listed and needs to match the name listed with the County Assessor for this property. The **contact person** must be directly associated with or an agent of the entity owning the property such as a property manager, real estate manager, contractor, or lawyer but not the environmental consultant listed on the permit application in Section 8. A **telephone** number and an **email** address must be provided to allow the inspector to contact the property owner to verify information if necessary. By providing an email address, the property owner will receive an electronic copy of the permit. The permit application must be signed and dated by the entity listed as the property owner only. **AGENTS CANNOT SIGN FOR THE PROPERTY OWNER**. For public rights-of-way, a copy of the encroachment permit can be substituted for the property owner signature. The City of San Mateo, among others, will not issue an encroachment permit until the subsurface drilling permit is issued, but the City of San Mateo will issue a letter of intent to issue an encroachment permit which is acceptable as a substitute for the property owner signature in City of San Mateo rights-of-way.

Section 7: Drilling Company

The **name** of the company proposed to drill the wells and borings must be listed along with the drilling company **contact person**, **address**, **phone number**, and **email address**. In addition, the **driller's C57 license number** must be provided. By providing an email address, the drilling company will receive an electronic copy of the permit. The permit application must be signed and dated by the driller's contact person. If the drilling company changes, then a new subsurface drilling permit application should be filled out completely except for Sections 5, 6, and 8.

Section 8: Consulting Company

The **name** of the company overseeing the proposed drilling of the wells and borings must be listed along with the **project manager**, address, **phone** number, and **email** address. The responsible professional overseeing the work must **print** their name legibly, **sign** their name and date, and provide either their **California Professional Geologist or Civil Engineering** number. Field contact name and number, if known, are optional but beneficial for all parties involved.

SAN MATEO COUNTY HEALTH
ENVIRONMENTAL HEALTH SERVICES

Environmental Health Services
Groundwater Protection Program
2000 Alameda de las Pulgas, Suite #100
San Mateo, CA 94403
Phone: (650) 372-6200 | Fax: (650) 627-8244
smchealth.org/gpp

SUBSURFACE DRILLING PERMIT APPLICATION

Allow three (3) full working days for processing a complete permit application which includes payment (one permit per parcel). Drilling **start date & time** must be scheduled with County staff at (650) 464-0047 or drilling@smcgov.org **at least 2 full working days (i.e. 48 hours) in advance.** Visit smchealth.org/ehfees for Groundwater Protection Program fees.

PURPOSE OF APPLICATION ☒ Groundwater Monitoring/Vapor Well Installation ☒ Construct Soil Borings (variance request if to be left open >24 hrs) ☒ Groundwater Monitoring/Vapor Well Destruction Extension of Permit # _____

No. of Wells 2 No. of Borings 10 Well/Boring Names SV-1, SV-2, SB-1 through SB-8

PURPOSE OF DRILLING ☒ Environmental ☐ Geotechnical LEAD AGENCY ☐ County GPP (permit approval is not to be considered work plan approval) ☐ RWQCB/DTSC/USEPA (Provide approval letter) ☒ None (i.e. voluntary)

SITE / DRILLING INFORMATION

Agency Case # _____ Assessor's Parcel # (required) 010402240 (one per permit)

Drilling Location Address: 71 Camaritas Avenue City: So. San Francisco Zip: 94080

To Be Constructed In: ☐ Public Property ☒ Private Property ☐ Refuse

Maximum Proposed Depth (wells/borings) 15 (feet) Drilling Method: Hand auger/direct push

Boring Diameter: 4" max Casing Diameter: 1/4" teflon Filter Pack Interval: 1 ft Screen Interval: < 6 inches

Destruction Method: ☐ Pressure Grouting (provide well construction logs and grout calcs)
(6 gallons water max/94 lb cement, up to 5% bentonite) ☒ Overdrilling (guide rods for total depth prior to starting required)

WELL/BORING OWNER

(Well/boring owner name or contact person should match signature)

Name: _____ Contact Person: _____

Address: _____ City, State, Zip: _____

Telephone: _____ Email: _____

It is my responsibility to notify the County of any known changes in the purpose of this well/boring from that which is indicated on this application, to submit indication of annual usage of wells to the County, and to maintain the well in good condition. *(Letter signed by well/boring owner/contact person, containing above language and attesting to knowledge of all permit requirements and conditions, may be substituted for signature.)*

Well/Boring Owner's/Contact Person's Signature: _____ Date: _____

PROPERTY OWNER

(Name as appears on assessor's roles should match signature)

Name: _____ Contact Person: _____

Address: _____ City, State, Zip: _____

Phone: _____ Email: _____

I understand that a well/boring is being installed on my property. I agree to notify the County and Well Owner of any known damage or future access issues to the well *(Letter signed by property owner, containing above language, or encroachment permit may be substituted for signature)*

Property Owner's Signature: _____ Date: _____

DRILLING COMPANY

Drilling Company: VTS Drilling Contact Person: Glenn Reiss

Address: 31693 Hayman Street City, State, Zip: Hayward, CA 94544

Phone: 415-378-0415 Email: glenn@vtsdrilling.com C57 Drillers License # 916085

I certify that the well/boring will be constructed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards, and that the license listed above is considered current and active by the Contractors State License Board.

Driller's Signature: Glenn D Reiss Date: 8/27/2021

CONSULTANT COMPANY

Consultant Company: Ninyo & Moore Project Manager: Bryan Fong

Address: 2020 Challenger Drive, Suite 103 City, State, Zip: Alameda, CA 94501

Telephone: 510-691-7695 Email: bfong@ninyoandmoore.com

Field Contact & Cell # (if known): _____

I certify that this application is correct to the best of my knowledge and the well/boring will be constructed/destroyed in compliance with the conditions of this permit (see page 2), the San Mateo County Well Ordinance, and the State Water Well Standards. I understand that I am responsible for General Conditions E, F, K, and L of this permit and if I indicated the purpose of drilling is geotechnical, then no one will use the boring to collect any samples for environmental analyses. If there is a change in Responsible Professional, I will notify San Mateo County GPP staff.

Responsible Professional's Name (Please print legibly): Kris Larson

Responsible Professional's Signature: _____ Date: _____

California Professional Geologist (PG) No. 8059 or Civil Engineer (PE) No. _____

SAN MATEO COUNTY HEALTH
ENVIRONMENTAL HEALTH SERVICES

Environmental Health Services
Groundwater Protection Program
2000 Alameda de las Pulgas, Suite #100
San Mateo, CA 94403
Phone: (650) 372-6200 | Fax: (650) 627-8244
smchealth.org/gpp

SUBSURFACE DRILLING PERMIT APPLICATION

Allow three (3) full working days for processing a complete permit application which includes payment (one permit per parcel). Drilling **start date & time** must be scheduled with County staff at (650) 464-0047 or drilling@smcgov.org **at least 2 full working days (i.e. 48 hours) in advance.**
Visit smchealth.org/ehfees for Groundwater Protection Program fees.

PURPOSE OF APPLICATION: ☒ Groundwater Monitoring/Vapor Well Installation ☒ Construct Soil Borings (variance request if to be left open >24 hrs) ☒ Groundwater Monitoring/Vapor Well Destruction Extension of Permit # _____
No. of Wells 2 No. of Borings 10 Well/Boring Names SV-1, SV-2, SB-1 through SB-8

PURPOSE OF DRILLING: ☒ Environmental ☐ Geotechnical LEAD AGENCY ☐ County GPP (permit approval is not to be considered work plan approval) ☐ RWQCB/DTSC/USEPA (Provide approval letter) ☒ None (i.e. voluntary)

SITE / DRILLING INFORMATION

Agency Case # _____ Assessor's Parcel # (required) 010402240 (one per permit)
Drilling Location Address: 71 Camaritas Avenue City: So. San Francisco Zip: 94080
To Be Constructed In: ☐ Public Property ☒ Private Property ☐ Refuse
Maximum Proposed Depth (wells/borings) 15 (feet) Drilling Method: Hand auger/direct push
Boring Diameter: 4" max Casing Diameter: 1/4" teflon Filter Pack Interval: 1 ft Screen Interval: < 6 inches
Destruction Method: ☐ Pressure Grouting (provide well construction logs and grout calcs)
(6 gallons water max/94 lb cement, up to 5% bentonite) ☒ Overdrilling (guide rods for total depth prior to starting required)

WELL/BORING OWNER (Well/boring owner name or contact person should match signature)

Name: _____ Contact Person: _____
Address: _____ City, State, Zip: _____
Telephone: _____ Email: _____

It is my responsibility to notify the County of any known changes in the purpose of this well/boring from that which is indicated on this application, to submit indication of annual usage of wells to the County, and to maintain the well in good condition. *(Letter signed by well/boring owner/contact person, containing above language and attesting to knowledge of all permit requirements and conditions, may be substituted for signature.)*
Well/Boring Owner's/Contact Person's Signature: _____ Date: _____

PROPERTY OWNER (Name as appears on assessor's roles should match signature)

Name: _____ Contact Person: _____
Address: _____ City, State, Zip: _____
Phone: _____ Email: _____

I understand that a well/boring is being installed on my property. I agree to notify the County and Well Owner of any known damage or future access issues to the well *(Letter signed by property owner, containing above language, or encroachment permit may be substituted for signature)*
Property Owner's Signature: _____ Date: _____

DRILLING COMPANY

Drilling Company: VTS Drilling Contact Person: Glenn Reiss
Address: 31693 Hayman Street City, State, Zip: Hayward, CA 94544
Phone: 415-378-0415 Email: glenn@vtsdrilling.com C57 Drillers License # 916085

I certify that the well/boring will be constructed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards, and that the license listed above is considered current and active by the Contractors State License Board.
Driller's Signature: _____ Date: _____

CONSULTANT COMPANY

Consultant Company: Ninyo & Moore Project Manager: Bryan Fong
Address: 2020 Challenger Drive, Suite 103 City, State, Zip: Alameda, CA 94501
Telephone: 510-691-7695 Email: bfong@ninyoandmoore.com
Field Contact & Cell # (if known): _____

I certify that this application is correct to the best of my knowledge and the well/boring will be constructed/destroyed in compliance with the conditions of this permit (see page 2), the San Mateo County Well Ordinance, and the State Water Well Standards. I understand that I am responsible for General Conditions E, F, K, and L of this permit and if I indicated the purpose of drilling is geotechnical, then no one will use the boring to collect any samples for environmental analyses. If there is a change in Responsible Professional, I will notify San Mateo County GPP staff.
Responsible Professional's Name (Please print legibly): Kris Larson
Responsible Professional's Signature: _____ Date: 8/26/2021
California Professional Geologist (PG) No. 8059 or Civil Engineer (PE) No. _____

Drilling Overview Scope

Drilling Type	Boring ID/Well ID	Boring Depth (feet)	Soil Sample Intervals (feet)	Grab Groundwater Sample	Casing Diameter	Screen Slot	Sand Pack	Well Box Completion	Notes
Soil Vapor Well	SV-1 (separate hole adjacent to SB-1)	5.5		No	1/4-inch teflon tubing	Probe at 5 feet	2/12 sand	Flush	4-inch diameter boring minimum
Soil Vapor Well	SV-2 (SB-5 to be converted to soil vapor well)	5.5		No	1/4-inch teflon tubing	Probe at 5 feet	2/12 sand	Flush	4-inch diameter boring minimum
Soil Boring	SB-1	Max 15	1, 4	Yes					Hand auger/direct push
Soil Boring	SB-2	4	1, 4	No					Hand auger
Soil Boring	SB-3	4	1, 4	No					Hand auger
Soil Boring	SB-4	4	1, 4	No					Hand auger
Soil Boring	SB-5	4	1, 4	No					Hand auger
Soil Boring	SB-6	1	1	No					Hand auger
Soil Boring	SB-7	1	1	No					Hand auger
Soil Boring	SB-8	1	1	No					Hand auger

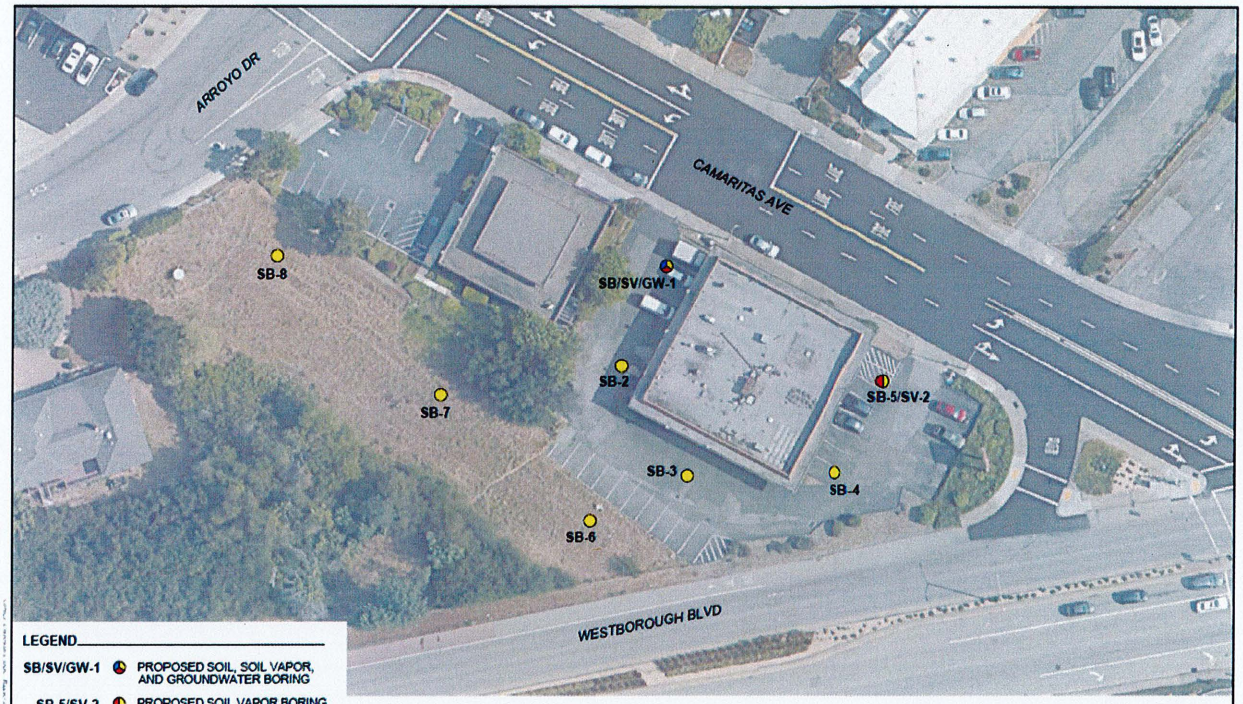


FIGURE 1

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SITE PLAN

PHASE II ENVIRONMENTAL SITE ASSESSMENT
71 CAMARITAS AVENUE
SOUTH SAN FRANCISCO, CALIFORNIA
09OAK0301191 I 08/21

California Secretary of State
Electronic Filing

FILED
Secretary of State
State of California

Corporation - Statement of Information No Change

Entity Name:	CAMINO ROYALE INVESTMENT CORPORATION
Entity (File) Number:	C1187236
File Date:	07/23/2021
Entity Type:	Corporation
Jurisdiction:	CALIFORNIA
Document ID:	GV14883

There has been no change in any of the information contained in the previous complete Statement of Information filed with the California Secretary of State.

By signing this document, I certify that the information is true and correct and that I am authorized by California law to sign.

Electronic Signature: Suresh Gandhi

Use bizfile.sos.ca.gov for online filings, searches, business records, and resources.

Document ID: GV14883

APPENDIX B

Boring Logs

DATE DRILLED 09/08/2021 BORING NO. SB-1

GROUND ELEVATION _____ SHEET 1 OF 1

DRILLING METHOD Hand auger to 5', DPT to 15'

DRIVE WEIGHT _____ DROP _____

SAMPLED BY LNM LOGGED BY LNM REVIEWED BY BBF

DEPTH (feet)	SAMPLES (Bulk / Driven)	SAMPLE ID	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								3" Asphalt
							ML	Olive brown,moist, soft, sandy SILT; fine to coarse sand and gravel; low plasticity.
	■	SB-1-1			0.0			
					0.0			@2': Black, increasing silt, decreasing fine gravel.
					0.2			
	■	SB-1-4			0.0			@4': Light olive brown, increasing sand, no gravel.
5								@5': Decreasing clay, increasing fine gravel.
					0.0			@7': Olive brown, increasing clay, no gravel.
					0.0			
10								Dark yellowish brown, moist, soft, SILT with sand; fine to coarse sand and gravel; non-plastic.
					0.0			Olive brown, very moist, soft, sandy SILT; trace gravel and clay; low plasticity.
								Brown, wet, soft, SILT with sand; fine to coarse sand and gravel; non-plastic.
								Yellowish gray, moist, soft, sandy SILT; medium plasticity.
15					0.0			Bottom of boring at 15 feet below grade. Groundwater not encountered during drilling on 09/08/2021. Backfilled with neat cement grout on 09/08/2021.
20								

DATE DRILLED 09/08/2021 BORING NO. SB-2

GROUND ELEVATION _____ SHEET 1 OF 1

DRILLING METHOD Hand auger to 4'

DRIVE WEIGHT _____ DROP _____

SAMPLED BY LNM LOGGED BY LNM REVIEWED BY BBF

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE ID	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SM	1.5" Asphalt Gray, moist, loose, silty SAND with gravel; fine to coarse sand and gravel; non-plastic.
						0.0		ML	Dark olive brown, moist, soft, sandy SILT; trace fine gravel; fine to coarse sand; low plasticity.
	■		SB-2-1.5			0.0			@2': Brown, increasing sand, decreasing clay. @3': Black, increasing silt and clay, decreasing sand.
	■		SB-2-4			0.2			
5									Bottom of boring at 4 feet below grade. Groundwater not encountered during drilling on 09/08/2021. Backfilled with neat cement grout on 09/08/2021.
10									
15									
20									

DATE DRILLED 09/08/2021 BORING NO. SB-3

GROUND ELEVATION _____ SHEET 1 OF 1

DRILLING METHOD Hand auger to 4'

DRIVE WEIGHT _____ DROP _____

SAMPLED BY LNM LOGGED BY LNM REVIEWED BY BBF

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE ID	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SM	1.5" Asphalt Dark olive brown, moist, loose, silty SAND with gravel; fine to coarse sand and gravel; non-plastic.
	■		SB-3-1			0.0			
						0.0		ML	Dark olive brown, moist, soft, sandy SILT; fine to coarse sand and gravel; non-plastic; metal wire.
						0.0			@3': Black, decreasing silt and gravel, trace clay, low plasticity.
	■		SB-3-4			0.0			
5									Bottom of boring at 4 feet below grade. Groundwater not encountered during drilling on 09/08/2021. Backfilled with neat cement grout on 09/08/2021.
10									
15									
20									

DATE DRILLED 09/08/2021 BORING NO. SB-4

GROUND ELEVATION _____ SHEET 1 OF 1

DRILLING METHOD Hand auger to 4'

DRIVE WEIGHT _____ DROP _____

SAMPLED BY LNM LOGGED BY LNM REVIEWED BY BBF

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE ID	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									3" Asphalt
								ML	Dark olive brown, moist, soft, sandy SILT with gravel; fine to coarse sand and gravel; non-plastic.
	■		SB-4-1			0.0			
						0.0			@2': Decreasing gravel; increasing sand, clay nodules.
						0.0			@3': Increasing silt, no clay, non-plastic.
	■		SB-4-4			0.0			
									Bottom of boring at 4 feet below grade. Groundwater not encountered during drilling on 09/08/2021. Backfilled with neat cement grout on 09/08/2021.
5									
10									
15									
20									

DATE DRILLED 09/08/2021 BORING NO. SB-5/SV-2

GROUND ELEVATION _____ SHEET 1 OF 1

DRILLING METHOD Hand auger to 5.5'

DRIVE WEIGHT _____ DROP _____

SAMPLED BY LNM LOGGED BY LNM REVIEWED BY BBF

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE ID	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									3" Asphalt
								ML	Very dark gray, moist, soft, sandy SILT; non-plastic.
	■		SB-5-1			0.0			
						0.0			@2': Light olive brown.
									@2.5': Decreasing silt and sand, low plasticity.
						0.0			@3': Increasing silt and sand, non-plastic.
	■		SB-5-4						
5						0.1			@5': Black.
									Bottom of boring at 5.5 feet below grade. Groundwater not encountered during drilling on 09/08/2021. Soil vapor well SV-2 installed on 09/08/2021.
10									
15									
20									

DATE DRILLED 09/08/2021 BORING NO. SB-6

GROUND ELEVATION _____ SHEET 1 OF 1

DRILLING METHOD Hand auger to 1'

DRIVE WEIGHT _____ DROP _____

SAMPLED BY LNM LOGGED BY LNM REVIEWED BY BBF

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE ID	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0.0		ML	Very dark grayish brown, moist, loose, sandy SILT with gravel; non-plastic.
	■		SB-6-1			0.0			
									Bottom of boring at 1 feet below grade. Groundwater not encountered during drilling on 09/08/2021. Backfilled with neat cement grout on 09/08/2021.
5									
10									
15									
20									

DATE DRILLED 09/08/2021 BORING NO. SB-7

GROUND ELEVATION _____ SHEET 1 OF 1

DRILLING METHOD Hand auger to 1'

DRIVE WEIGHT _____ DROP _____

SAMPLED BY LNM LOGGED BY LNM REVIEWED BY BBF

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE ID	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0.0		ML	Very dark grayish brown, moist, loose, sandy SILT with gravel; non-plastic.
	■		SB-7-1			0.0			
									Bottom of boring at 1 feet below grade. Groundwater not encountered during drilling on 09/08/2021. Backfilled with neat cement grout on 09/08/2021.
5									
10									
15									
20									

DATE DRILLED 09/08/2021 BORING NO. SB-8

GROUND ELEVATION _____ SHEET 1 OF 1

DRILLING METHOD Hand auger to 1'

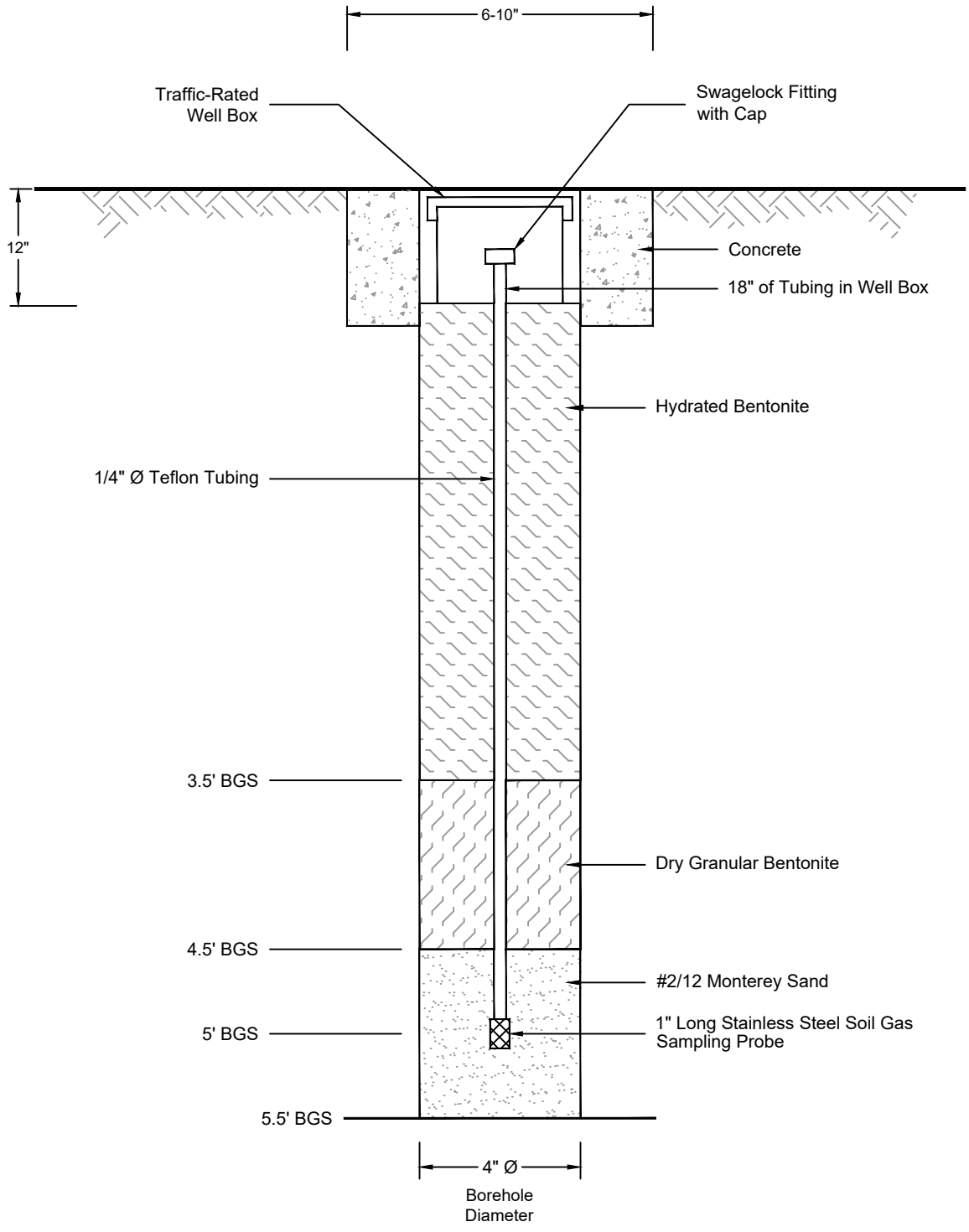
DRIVE WEIGHT _____ DROP _____

SAMPLED BY LNM LOGGED BY LNM REVIEWED BY BBF

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE ID	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0.0		ML	Very dark grayish brown, moist, loose, sandy SILT with gravel; non-plastic.
	■		SB-8-1			0.0			
									Bottom of boring at 1 feet below grade. Groundwater not encountered during drilling on 09/08/2021. Backfilled with neat cement grout on 09/08/2021.
5									
10									
15									
20									

APPENDIX C

Soil Vapor Well Construction Diagrams



Notes:
BGS = Below Ground Surface
Ø = Diameter

NOTE: NOT TO SCALE

404050002.dwg 09/28/2021 AEK

FIGURE C-1

SOIL VAPOR WELL CONSTRUCTION DIAGRAM (SV-1 & SV-2)

PHASE II ENVIRONMENTAL SITE ASSESSMENT
71 CAMARITAS AVENUE
SOUTH SAN FRANCISCO, CALIFORNIA
404050002 I 10/21

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

APPENDIX D

Field Sampling Sheets

Soil Vapor Sample Collection Data

Sample ID: SV-2

Client: City of South San Francisco Date: 9/15/21

Project Number: 4040500.02

Site Location: 71 Camaritas Ave

Field Personnel: LNM

Type of Probe and Advancement Method: Hand Auger 3.75"

Sample Data	Sample ID	SV-2						
	Canister Serial No.	50121	50121	A9009**	* Switched Manifold to			
	Flow Controller Serial No.	25437	25367*	25367	Check if manifold 25367			
	Sample Depth (Ft.)	5 ft			was leaking			
	Tubing length	7 ft			** Switched Sampling			
	Purge Volume and Rate	4023mL/150mL/min			Canister since 50121			
	Calculated Duration of Purge (3 tubing volumes)	20" Hg	20" Hg		leaked when the			
1-2-Minute Shut-in Test	Time Sample-Train Shut-in Test Begins	0850	0900	0912	Cans were moved.			
	Initial Canister Vacuum (inches Hg)	-29" Hg	-30" Hg	-26.5" Hg				
	Time Sample-Train Shut-in Test Ends	0852	0902	0914				
	Duration of Test	~~2min 25" Hg~~	2min	2min				
	Final Canister Vacuum (inches Hg)	-25" Hg	-30" Hg	-26.5" Hg				
Purge	Time Beginning of Purge	0921						
	Time End of Purge	0936						
	Actual Duration of Purge	15 min						

Sample Collection and Tracer Gas Monitoring							
Time Canister Opened	0943						
Initial Canister Vacuum (inches Hg)	-28.5						
Measured Helium % initial	31.1%						
2 min.	30.7%	35 min.					
4 min.	29.3%	40 min.					
6min.	28.5%	45 min.					
8min.		50 min.					
10 min.		55 min.					
15 min.		60 min.					
20 min.		____ min.					
25 min.		____ min.					
30 min.		____ min.					
Comments		____ min.					
Time Canister Closed	0949						
Final Canister Pressure (inches Hg)	-4.5						
Time of Sample Collection	6e min						

Notes:

Calculating Purge Volume: Length of tube (ft.) x 5.5 cc/linear foot (1/4" OD Teflon Tube)

Soil Vapor Sample Collection Data

Sample ID: SV-1

Client: City of South San Francisco | Date: 9/17/21

Project Number: 4040500002

Site Location: 71 Camantas

Field Personnel: LNM

Type of Probe and Advancement Method: Hand Auger 3.75"

Sample Data	Sample ID	SV-1					
	Canister Serial No.	N2649					
	Flow Controller Serial No.	25473					
	Sample Depth (Ft.)	5 Ft					
	Tubing length	7 Ft					
	Purge Volume and Rate	4023 / 150 ml/min					
	Calculated Duration of Purge (3 tubing volumes)	20" Hg					
1-2-Minute Shut-in Test	Time Sample-Train Shut-in Test Begins	1002	1021	1052	* Performed multiple shut in tests because leaking was noted when cans were moved.		
	Initial Canister Vacuum (inches Hg)	-27.5" Hg	-24" Hg	-27.5" Hg			
	Time Sample-Train Shut-in Test Ends	1004	1023	1054			
	Duration of Test	2 min	2 min	2 min			
	Final Canister Vacuum (inches Hg)	-27.5" Hg	-24" Hg	-27.5" Hg			
Purge	Time Beginning of Purge	1056					
	Time End of Purge	1122					
	Actual Duration of Purge	28 min					

Sample Collection and Tracer Gas Monitoring							
	Time Canister Opened	1126					
	Initial Canister Vacuum (inches Hg)	-27.5" Hg					
	Measured Helium % initial	33.7%					
	2 min.	31.9%	35 min.				
	4 min.	34.0%	40 min.				
	~~6min.~~ 5min	33.8%	45 min.				
	8min.		50 min.				
	10 min.		55 min.				
	15 min.		60 min.				
	20 min.		____ min.				
	25 min.		____ min.				
	30 min.		____ min.				
	Comments		____ min.				
	Time Canister Closed	1131					
	Final Canister Pressure (inches Hg)	-4.5" Hg					
	Time of Sample Collection	5 min					

Notes:
Calculating Purge Volume: Length of tube (ft.) x 5.5 cc/linear foot (1/4" OD Teflon Tube)

APPENDIX E

Laboratory Analytical Reports

eurofins | Air Toxics

9/27/2021
Mr. Bryan Fong
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda CA 94501

Project Name: 71 Camaritas
Project #: 404050002
Workorder #: 2109514A

Dear Mr. Bryan Fong

The following report includes the data for the above referenced project for sample(s) received on 9/20/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Monica Tran at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Monica Tran

Project Manager

eurofins | Air Toxics

WORK ORDER #: 2109514A

Work Order Summary

CLIENT:	Mr. Bryan Fong Ninyo & Moore 2020 Challenger Drive Suite 103 Alameda, CA 94501	**BILL TO:**	Accounts Payable - Oakland Ninyo & Moore 2020 Challenger Drive Suite 103 Alameda, CA 94501
PHONE:	510-633-5640	**P.O. #**	
FAX:	(510) 633-5640	**PROJECT #**	404050002 71 Camaritas
DATE RECEIVED:	09/20/2021	**CONTACT:**	Monica Tran
DATE COMPLETED:	09/27/2021		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SV-1	TO-15	5.3 "Hg	9.8 psi
02A	Lab Blank	TO-15	NA	NA
03A	CCV	TO-15	NA	NA
04A	LCS	TO-15	NA	NA
04AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 09/27/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209220, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-20-16, UT NELAP – CA009332020-12, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-014, Effective date: 10/18/2020, Expiration date: 10/17/2021.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
EPA Method TO-15
Ninyo & Moore
Workorder# 2109514A

One 1 Liter Summa Canister sample was received on September 20, 2021. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

The reported result for 4-Ethyltoluene in sample SV-1 may be biased high due to co-elution with a non target compound with similar characteristic ions. Both the primary and secondary ion for 4-Ethyltoluene exhibited potential interference.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SV-1

Lab ID#: 2109514A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2,2,4-Trimethylpentane	1.0	1.8	4.7	8.4
Toluene	1.0	2.0	3.8	7.7
Ethyl Benzene	1.0	1.8	4.4	7.6
m,p-Xylene	1.0	4.4	4.4	19
o-Xylene	1.0	2.1	4.4	9.3
4-Ethyltoluene	1.0	1.4	5.0	6.7
1,3,5-Trimethylbenzene	1.0	1.2	5.0	5.9
1,2,4-Trimethylbenzene	1.0	2.7	5.0	13
TPH ref. to Gasoline (MW=100)	100	290	410	1200

eurofins | Air Toxics

Client Sample ID: SV-1

Lab ID#: 2109514A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092324**	**Date of Collection:**	**9/17/21 11:31:00 AM**
Dil. Factor:	**2.02**	**Date of Analysis:**	**9/23/21 11:26 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.0	Not Detected
Freon 114	1.0	Not Detected	7.1	Not Detected
Chloromethane	10	Not Detected	21	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
1,3-Butadiene	1.0	Not Detected	2.2	Not Detected
Bromomethane	10	Not Detected	39	Not Detected
Chloroethane	4.0	Not Detected	11	Not Detected
Freon 11	1.0	Not Detected	5.7	Not Detected
Ethanol	10	Not Detected	19	Not Detected
Freon 113	1.0	Not Detected	7.7	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Acetone	10	Not Detected	24	Not Detected
2-Propanol	4.0	Not Detected	9.9	Not Detected
Carbon Disulfide	4.0	Not Detected	12	Not Detected
3-Chloropropene	4.0	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	35	Not Detected
Methyl tert-butyl ether	4.0	Not Detected	14	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Hexane	1.0	Not Detected	3.6	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.0	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
Chloroform	1.0	Not Detected	4.9	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Cyclohexane	1.0	Not Detected	3.5	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.4	Not Detected
2,2,4-Trimethylpentane	1.0	1.8	4.7	8.4
Benzene	1.0	Not Detected	3.2	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.1	Not Detected
Heptane	1.0	Not Detected	4.1	Not Detected
Trichloroethene	1.0	Not Detected	5.4	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.7	Not Detected
1,4-Dioxane	4.0	Not Detected	14	Not Detected
Bromodichloromethane	1.0	Not Detected	6.8	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.1	Not Detected
Toluene	1.0	2.0	3.8	7.7
trans-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Tetrachloroethene	1.0	Not Detected	6.8	Not Detected
2-Hexanone	4.0	Not Detected	16	Not Detected

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Client Sample ID: SV-1

Lab ID#: 2109514A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092324**	**Date of Collection:**	**9/17/21 11:31:00 AM**
Dil. Factor:	**2.02**	**Date of Analysis:**	**9/23/21 11:26 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.0	Not Detected	8.6	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.8	Not Detected
Chlorobenzene	1.0	Not Detected	4.6	Not Detected
Ethyl Benzene	1.0	1.8	4.4	7.6
m,p-Xylene	1.0	4.4	4.4	19
o-Xylene	1.0	2.1	4.4	9.3
Styrene	1.0	Not Detected	4.3	Not Detected
Bromoform	1.0	Not Detected	10	Not Detected
Cumene	1.0	Not Detected	5.0	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	6.9	Not Detected
Propylbenzene	1.0	Not Detected	5.0	Not Detected
4-Ethyltoluene	1.0	1.4	5.0	6.7
1,3,5-Trimethylbenzene	1.0	1.2	5.0	5.9
1,2,4-Trimethylbenzene	1.0	2.7	5.0	13
1,3-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.2	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
1,2,4-Trichlorobenzene	4.0	Not Detected	30	Not Detected
Hexachlorobutadiene	4.0	Not Detected	43	Not Detected
TPH ref. to Gasoline (MW=100)	100	290	410	1200

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2109514A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092306**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 12:25 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected	9.4	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2109514A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092306**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 12:25 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
TPH ref. to Gasoline (MW=100)	50	Not Detected	200	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: CCV

Lab ID#: 2109514A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092302**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 10:09 AM**

Compound	%Recovery
Freon 12	104
Freon 114	106
Chloromethane	108
Vinyl Chloride	100
1,3-Butadiene	116
Bromomethane	93
Chloroethane	100
Freon 11	106
Ethanol	99
Freon 113	98
1,1-Dichloroethene	106
Acetone	98
2-Propanol	99
Carbon Disulfide	90
3-Chloropropene	108
Methylene Chloride	100
Methyl tert-butyl ether	106
trans-1,2-Dichloroethene	104
Hexane	119
1,1-Dichloroethane	112
2-Butanone (Methyl Ethyl Ketone)	104
cis-1,2-Dichloroethene	112
Tetrahydrofuran	112
Chloroform	112
1,1,1-Trichloroethane	106
Cyclohexane	110
Carbon Tetrachloride	97
2,2,4-Trimethylpentane	114
Benzene	104
1,2-Dichloroethane	110
Heptane	115
Trichloroethene	103
1,2-Dichloropropane	97
1,4-Dioxane	106
Bromodichloromethane	104
cis-1,3-Dichloropropene	112
4-Methyl-2-pentanone	108
Toluene	105
trans-1,3-Dichloropropene	117
1,1,2-Trichloroethane	105
Tetrachloroethene	108
2-Hexanone	109

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Client Sample ID: CCV

Lab ID#: 2109514A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092302**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 10:09 AM**	

Compound	%Recovery
Dibromochloromethane	108
1,2-Dibromoethane (EDB)	109
Chlorobenzene	106
Ethyl Benzene	116
m,p-Xylene	116
o-Xylene	118
Styrene	122
Bromoform	110
Cumene	122
1,1,2,2-Tetrachloroethane	96
Propylbenzene	117
4-Ethyltoluene	118
1,3,5-Trimethylbenzene	120
1,2,4-Trimethylbenzene	122
1,3-Dichlorobenzene	114
1,4-Dichlorobenzene	115
alpha-Chlorotoluene	112
1,2-Dichlorobenzene	111
1,2,4-Trichlorobenzene	98
Hexachlorobutadiene	98
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	112	70-130

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Client Sample ID: LCS

Lab ID#: 2109514A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 10:37 AM**	

Compound	%Recovery	Method Limits
Freon 12	106	70-130
Freon 114	108	70-130
Chloromethane	102	70-130
Vinyl Chloride	95	70-130
1,3-Butadiene	112	70-130
Bromomethane	89	70-130
Chloroethane	106	70-130
Freon 11	104	70-130
Ethanol	91	70-130
Freon 113	92	70-130
1,1-Dichloroethene	100	70-130
Acetone	94	70-130
2-Propanol	103	70-130
Carbon Disulfide	94	70-130
3-Chloropropene	110	70-130
Methylene Chloride	97	70-130
Methyl tert-butyl ether	110	70-130
trans-1,2-Dichloroethene	108	70-130
Hexane	121	70-130
1,1-Dichloroethane	112	70-130
2-Butanone (Methyl Ethyl Ketone)	103	70-130
cis-1,2-Dichloroethene	115	70-130
Tetrahydrofuran	110	70-130
Chloroform	110	70-130
1,1,1-Trichloroethane	105	70-130
Cyclohexane	112	70-130
Carbon Tetrachloride	96	70-130
2,2,4-Trimethylpentane	113	70-130
Benzene	99	70-130
1,2-Dichloroethane	103	70-130
Heptane	112	70-130
Trichloroethene	98	70-130
1,2-Dichloropropane	92	70-130
1,4-Dioxane	99	70-130
Bromodichloromethane	99	70-130
cis-1,3-Dichloropropene	108	70-130
4-Methyl-2-pentanone	109	70-130
Toluene	100	70-130
trans-1,3-Dichloropropene	114	70-130
1,1,2-Trichloroethane	100	70-130
Tetrachloroethene	104	70-130
2-Hexanone	102	70-130

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Client Sample ID: LCS

Lab ID#: 2109514A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 10:37 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	103	70-130
1,2-Dibromoethane (EDB)	106	70-130
Chlorobenzene	104	70-130
Ethyl Benzene	112	70-130
m,p-Xylene	116	70-130
o-Xylene	115	70-130
Styrene	116	70-130
Bromoform	106	70-130
Cumene	118	70-130
1,1,2,2-Tetrachloroethane	93	70-130
Propylbenzene	114	70-130
4-Ethyltoluene	114	70-130
1,3,5-Trimethylbenzene	115	70-130
1,2,4-Trimethylbenzene	120	70-130
1,3-Dichlorobenzene	108	70-130
1,4-Dichlorobenzene	112	70-130
alpha-Chlorotoluene	110	70-130
1,2-Dichlorobenzene	105	70-130
1,2,4-Trichlorobenzene	114	70-130
Hexachlorobutadiene	113	70-130
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	108	70-130

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Client Sample ID: LCSD

Lab ID#: 2109514A-04AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 11:05 AM**	

Compound	%Recovery	Method Limits
Freon 12	101	70-130
Freon 114	108	70-130
Chloromethane	92	70-130
Vinyl Chloride	89	70-130
1,3-Butadiene	102	70-130
Bromomethane	84	70-130
Chloroethane	104	70-130
Freon 11	103	70-130
Ethanol	88	70-130
Freon 113	98	70-130
1,1-Dichloroethene	106	70-130
Acetone	96	70-130
2-Propanol	104	70-130
Carbon Disulfide	99	70-130
3-Chloropropene	112	70-130
Methylene Chloride	96	70-130
Methyl tert-butyl ether	113	70-130
trans-1,2-Dichloroethene	108	70-130
Hexane	121	70-130
1,1-Dichloroethane	109	70-130
2-Butanone (Methyl Ethyl Ketone)	106	70-130
cis-1,2-Dichloroethene	112	70-130
Tetrahydrofuran	108	70-130
Chloroform	107	70-130
1,1,1-Trichloroethane	101	70-130
Cyclohexane	108	70-130
Carbon Tetrachloride	95	70-130
2,2,4-Trimethylpentane	114	70-130
Benzene	98	70-130
1,2-Dichloroethane	101	70-130
Heptane	112	70-130
Trichloroethene	100	70-130
1,2-Dichloropropane	92	70-130
1,4-Dioxane	98	70-130
Bromodichloromethane	99	70-130
cis-1,3-Dichloropropene	110	70-130
4-Methyl-2-pentanone	107	70-130
Toluene	99	70-130
trans-1,3-Dichloropropene	114	70-130
1,1,2-Trichloroethane	101	70-130
Tetrachloroethene	105	70-130
2-Hexanone	104	70-130

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Client Sample ID: LCSD

Lab ID#: 2109514A-04AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 11:05 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	102	70-130
1,2-Dibromoethane (EDB)	106	70-130
Chlorobenzene	105	70-130
Ethyl Benzene	115	70-130
m,p-Xylene	115	70-130
o-Xylene	115	70-130
Styrene	117	70-130
Bromoform	106	70-130
Cumene	118	70-130
1,1,2,2-Tetrachloroethane	92	70-130
Propylbenzene	110	70-130
4-Ethyltoluene	116	70-130
1,3,5-Trimethylbenzene	116	70-130
1,2,4-Trimethylbenzene	120	70-130
1,3-Dichlorobenzene	108	70-130
1,4-Dichlorobenzene	112	70-130
alpha-Chlorotoluene	110	70-130
1,2-Dichlorobenzene	106	70-130
1,2,4-Trichlorobenzene	125	70-130
Hexachlorobutadiene	122	70-130
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	107	70-130

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Analysis Request /Canister Chain of Custody

For Laboratory Use Only

PID: _____ Workorder #: 2109514

180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

Client: Nmyo & Moore
Project Name: TI Camaritas
Project Manager: Bryan Fong Project # 404050002
Sampler: Laura Mosqueda
Site Name:

Special Instructions/Notes:

Turnaround Time (Rush surcharges may apply)
✓ Standard 10-Day Rush _____ (specify)

Lab ID	Field Sample Identification(Location)	Can #	Flow Controller #	Start Sampling Information		Stop Sampling Information		Canister Vacuum/Pressure		Lab Use Only		Requested Analyses			
				Date	Time	Date	Time	Initial (in Hg)	Final (in Hg)	Receipt	Final (psig) Gas: N_2 / He	TO-15 TPHg & VOCs	ASTM 1946-90 Helium Oxygen		
01A	SV-1	N2699	25473	9/17/21	1126	9/17/21	1131	-27.5	-4.5			X	X		

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Laura Mosqueda Nmyo&Moore	9/17/21	15:22	Secure location - NMM Alameda office	9/17/21	15:22
Leslie Jung N&M	9/20/21	11:44 AM		9.20.21	1144
	9.20.21	1415	EATL	9.20.21	1415

Lab Use Only

Shipper Name: Courier | Custody Seals Intact? | Yes | No | None

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922

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9/27/2021
Mr. Bryan Fong
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda CA 94501

Project Name: 71 Camaritas
Project #: 404050002
Workorder #: 2109514B

Dear Mr. Bryan Fong

The following report includes the data for the above referenced project for sample(s) received on 9/20/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Monica Tran at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Monica Tran

Project Manager

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WORK ORDER #: 2109514B

Work Order Summary

CLIENT:	Mr. Bryan Fong Ninyo & Moore 2020 Challenger Drive Suite 103 Alameda, CA 94501	**BILL TO:**	Accounts Payable - Oakland Ninyo & Moore 2020 Challenger Drive Suite 103 Alameda, CA 94501
PHONE:	510-633-5640	**P.O. #**	
FAX:	(510) 633-5640	**PROJECT #**	404050002 71 Camaritas
DATE RECEIVED:	09/20/2021	**CONTACT:**	Monica Tran
DATE COMPLETED:	09/27/2021		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SV-1	Modified ASTM D-1946	5.3 "Hg	9.8 psi
02A	Lab Blank	Modified ASTM D-1946	NA	NA
02B	Lab Blank	Modified ASTM D-1946	NA	NA
03A	CCV	Modified ASTM D-1946	NA	NA
04A	LCS	Modified ASTM D-1946	NA	NA
04AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 09/27/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209220, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-20-16, UT NELAP – CA009332020-12, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-014, Effective date: 10/18/2020, Expiration date: 10/17/2021.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
Modified ASTM D-1946
Ninyo & Moore
Workorder# 2109514B

One 1 Liter Summa Canister sample was received on September 20, 2021. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A minimum of 5-point calibration curve is performed. Quantitation is based on average Response Factor.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: SV-1

Lab ID#: 2109514B-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.20	5.9
Carbon Dioxide	0.020	13

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Client Sample ID: SV-1

Lab ID#: 2109514B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092505**	**Date of Collection:**	**9/17/21 11:31:00 AM**
Dil. Factor:	**2.02**	**Date of Analysis:**	**9/25/21 07:08 AM**

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.20	5.9
Methane	0.00020	Not Detected
Carbon Dioxide	0.020	13
Helium	0.10	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Lab Blank

Lab ID#: 2109514B-02A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**10092503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/21 06:14 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 2109514B-02B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092504c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/21 06:37 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 2109514B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092501**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/21 11:09 PM**

Compound	%Recovery
Oxygen	95
Methane	98
Carbon Dioxide	103
Helium	99

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 2109514B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/21 11:35 PM**	

Compound	%Recovery	Method Limits
Oxygen	96	85-115
Methane	99	85-115
Carbon Dioxide	102	85-115
Helium	111	85-115

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 2109514B-04AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092521**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/21 08:57 PM**	

Compound	%Recovery	Method Limits
Oxygen	96	85-115
Methane	98	85-115
Carbon Dioxide	102	85-115
Helium	111	85-115

Container Type: NA - Not Applicable

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Analysis Request /Canister Chain of Custody

For Laboratory Use Only

PID: _____ Workorder #: 2109514

180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

Client: Nmyo & Moore
Project Name: TI Camaritas
Project Manager: Bryan Fong Project # 404050002
Sampler: Laura Mosqueda
Site Name:

Special Instructions/Notes:

Turnaround Time (Rush surcharges may apply)
✓ Standard 10-Day Rush _____ (specify)

Lab ID	Field Sample Identification(Location)	Can #	Flow Controller #	Start Sampling Information		Stop Sampling Information		Canister Vacuum/Pressure		Lab Use Only		Requested Analyses			
				Date	Time	Date	Time	Initial (in Hg)	Final (in Hg)	Receipt	Final (psig) Gas: N_2 / He	TO-15 TPHg & VOCs	ASTM 1946-90 Helium Oxygen		
01A	SV-1	N2699	25473	9/17/21	1126	9/17/21	1131	-27.5	-4.5			X	X		

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Laura Mosqueda Nmyo&Moore	9/17/21	15:22	Secure location - NMM Alameda office	9/17/21	15:22
Leslie Jung N&M	9/20/21	11:44 AM		9.20.21	1144
	9.20.21	1415	EATL	9.20.21	1415

Lab Use Only

Shipper Name: Courier | Custody Seals Intact? | Yes | No | None

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922

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9/27/2021
Mr. Bryan Fong
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda CA 94501

Project Name: 71 Camaritas
Project #: 404050002
Workorder #: 2109515A

Dear Mr. Bryan Fong

The following report includes the data for the above referenced project for sample(s) received on 9/20/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Monica Tran at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Monica Tran

Project Manager

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WORK ORDER #: 2109515A

Work Order Summary

CLIENT:	Mr. Bryan Fong Ninyo & Moore 2020 Challenger Drive Suite 103 Alameda, CA 94501	**BILL TO:**	Accounts Payable - Oakland Ninyo & Moore 2020 Challenger Drive Suite 103 Alameda, CA 94501
PHONE:	510-633-5640	**P.O. #**	
FAX:	(510) 633-5640	**PROJECT #**	404050002 71 Camaritas
DATE RECEIVED:	09/20/2021	**CONTACT:**	Monica Tran
DATE COMPLETED:	09/27/2021		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SV-2	TO-15	4.5 "Hg	9.8 psi
02A	Lab Blank	TO-15	NA	NA
03A	CCV	TO-15	NA	NA
04A	LCS	TO-15	NA	NA
04AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 09/27/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209220, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-20-16, UT NELAP – CA009332020-12, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-014, Effective date: 10/18/2020, Expiration date: 10/17/2021.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
EPA Method TO-15
Ninyo & Moore
Workorder# 2109515A

One 1 Liter Summa Canister sample was received on September 20, 2021. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SV-2

Lab ID#: 2109515A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	9.8	14	23	32
Carbon Disulfide	3.9	5.0	12	16
Chloroform	0.98	1.3	4.8	6.4
2,2,4-Trimethylpentane	0.98	2.6	4.6	12
Benzene	0.98	1.4	3.1	4.3
4-Methyl-2-pentanone	0.98	1.1	4.0	4.7
Toluene	0.98	12	3.7	44
Ethyl Benzene	0.98	4.7	4.2	20
m,p-Xylene	0.98	20	4.2	88
o-Xylene	0.98	5.6	4.2	24
Propylbenzene	0.98	1.5	4.8	7.4
4-Ethyltoluene	0.98	7.4	4.8	36
1,3,5-Trimethylbenzene	0.98	3.8	4.8	19
1,2,4-Trimethylbenzene	0.98	7.4	4.8	36
TPH ref. to Gasoline (MW=100)	98	230	400	940

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Client Sample ID: SV-2

Lab ID#: 2109515A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092327**	**Date of Collection:**	**9/15/21 9:49:00 AM**
Dil. Factor:	**1.96**	**Date of Analysis:**	**9/24/21 08:11 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.98	Not Detected	4.8	Not Detected
Freon 114	0.98	Not Detected	6.8	Not Detected
Chloromethane	9.8	Not Detected	20	Not Detected
Vinyl Chloride	0.98	Not Detected	2.5	Not Detected
1,3-Butadiene	0.98	Not Detected	2.2	Not Detected
Bromomethane	9.8	Not Detected	38	Not Detected
Chloroethane	3.9	Not Detected	10	Not Detected
Freon 11	0.98	Not Detected	5.5	Not Detected
Ethanol	9.8	Not Detected	18	Not Detected
Freon 113	0.98	Not Detected	7.5	Not Detected
1,1-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Acetone	9.8	14	23	32
2-Propanol	3.9	Not Detected	9.6	Not Detected
Carbon Disulfide	3.9	5.0	12	16
3-Chloropropene	3.9	Not Detected	12	Not Detected
Methylene Chloride	9.8	Not Detected	34	Not Detected
Methyl tert-butyl ether	3.9	Not Detected	14	Not Detected
trans-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Hexane	0.98	Not Detected	3.4	Not Detected
1,1-Dichloroethane	0.98	Not Detected	4.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.9	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Tetrahydrofuran	0.98	Not Detected	2.9	Not Detected
Chloroform	0.98	1.3	4.8	6.4
1,1,1-Trichloroethane	0.98	Not Detected	5.3	Not Detected
Cyclohexane	0.98	Not Detected	3.4	Not Detected
Carbon Tetrachloride	0.98	Not Detected	6.2	Not Detected
2,2,4-Trimethylpentane	0.98	2.6	4.6	12
Benzene	0.98	1.4	3.1	4.3
1,2-Dichloroethane	0.98	Not Detected	4.0	Not Detected
Heptane	0.98	Not Detected	4.0	Not Detected
Trichloroethene	0.98	Not Detected	5.3	Not Detected
1,2-Dichloropropane	0.98	Not Detected	4.5	Not Detected
1,4-Dioxane	3.9	Not Detected	14	Not Detected
Bromodichloromethane	0.98	Not Detected	6.6	Not Detected
cis-1,3-Dichloropropene	0.98	Not Detected	4.4	Not Detected
4-Methyl-2-pentanone	0.98	1.1	4.0	4.7
Toluene	0.98	12	3.7	44
trans-1,3-Dichloropropene	0.98	Not Detected	4.4	Not Detected
1,1,2-Trichloroethane	0.98	Not Detected	5.3	Not Detected
Tetrachloroethene	0.98	Not Detected	6.6	Not Detected
2-Hexanone	3.9	Not Detected	16	Not Detected

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Client Sample ID: SV-2

Lab ID#: 2109515A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092327**	**Date of Collection:**	**9/15/21 9:49:00 AM**
Dil. Factor:	**1.96**	**Date of Analysis:**	**9/24/21 08:11 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.98	Not Detected	8.3	Not Detected
1,2-Dibromoethane (EDB)	0.98	Not Detected	7.5	Not Detected
Chlorobenzene	0.98	Not Detected	4.5	Not Detected
Ethyl Benzene	0.98	4.7	4.2	20
m,p-Xylene	0.98	20	4.2	88
o-Xylene	0.98	5.6	4.2	24
Styrene	0.98	Not Detected	4.2	Not Detected
Bromoform	0.98	Not Detected	10	Not Detected
Cumene	0.98	Not Detected	4.8	Not Detected
1,1,2,2-Tetrachloroethane	0.98	Not Detected	6.7	Not Detected
Propylbenzene	0.98	1.5	4.8	7.4
4-Ethyltoluene	0.98	7.4	4.8	36
1,3,5-Trimethylbenzene	0.98	3.8	4.8	19
1,2,4-Trimethylbenzene	0.98	7.4	4.8	36
1,3-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,4-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
alpha-Chlorotoluene	0.98	Not Detected	5.1	Not Detected
1,2-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,2,4-Trichlorobenzene	3.9	Not Detected	29	Not Detected
Hexachlorobutadiene	3.9	Not Detected	42	Not Detected
TPH ref. to Gasoline (MW=100)	98	230	400	940

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2109515A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092306**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 12:25 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected	9.4	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2109515A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092306**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 12:25 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
TPH ref. to Gasoline (MW=100)	50	Not Detected	200	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: CCV

Lab ID#: 2109515A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092302**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 10:09 AM**

Compound	%Recovery
Freon 12	104
Freon 114	106
Chloromethane	108
Vinyl Chloride	100
1,3-Butadiene	116
Bromomethane	93
Chloroethane	100
Freon 11	106
Ethanol	99
Freon 113	98
1,1-Dichloroethene	106
Acetone	98
2-Propanol	99
Carbon Disulfide	90
3-Chloropropene	108
Methylene Chloride	100
Methyl tert-butyl ether	106
trans-1,2-Dichloroethene	104
Hexane	119
1,1-Dichloroethane	112
2-Butanone (Methyl Ethyl Ketone)	104
cis-1,2-Dichloroethene	112
Tetrahydrofuran	112
Chloroform	112
1,1,1-Trichloroethane	106
Cyclohexane	110
Carbon Tetrachloride	97
2,2,4-Trimethylpentane	114
Benzene	104
1,2-Dichloroethane	110
Heptane	115
Trichloroethene	103
1,2-Dichloropropane	97
1,4-Dioxane	106
Bromodichloromethane	104
cis-1,3-Dichloropropene	112
4-Methyl-2-pentanone	108
Toluene	105
trans-1,3-Dichloropropene	117
1,1,2-Trichloroethane	105
Tetrachloroethene	108
2-Hexanone	109

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Client Sample ID: CCV

Lab ID#: 2109515A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092302**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 10:09 AM**	

Compound	%Recovery
Dibromochloromethane	108
1,2-Dibromoethane (EDB)	109
Chlorobenzene	106
Ethyl Benzene	116
m,p-Xylene	116
o-Xylene	118
Styrene	122
Bromoform	110
Cumene	122
1,1,2,2-Tetrachloroethane	96
Propylbenzene	117
4-Ethyltoluene	118
1,3,5-Trimethylbenzene	120
1,2,4-Trimethylbenzene	122
1,3-Dichlorobenzene	114
1,4-Dichlorobenzene	115
alpha-Chlorotoluene	112
1,2-Dichlorobenzene	111
1,2,4-Trichlorobenzene	98
Hexachlorobutadiene	98
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	112	70-130

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Client Sample ID: LCS

Lab ID#: 2109515A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 10:37 AM**	

Compound	%Recovery	Method Limits
Freon 12	106	70-130
Freon 114	108	70-130
Chloromethane	102	70-130
Vinyl Chloride	95	70-130
1,3-Butadiene	112	70-130
Bromomethane	89	70-130
Chloroethane	106	70-130
Freon 11	104	70-130
Ethanol	91	70-130
Freon 113	92	70-130
1,1-Dichloroethene	100	70-130
Acetone	94	70-130
2-Propanol	103	70-130
Carbon Disulfide	94	70-130
3-Chloropropene	110	70-130
Methylene Chloride	97	70-130
Methyl tert-butyl ether	110	70-130
trans-1,2-Dichloroethene	108	70-130
Hexane	121	70-130
1,1-Dichloroethane	112	70-130
2-Butanone (Methyl Ethyl Ketone)	103	70-130
cis-1,2-Dichloroethene	115	70-130
Tetrahydrofuran	110	70-130
Chloroform	110	70-130
1,1,1-Trichloroethane	105	70-130
Cyclohexane	112	70-130
Carbon Tetrachloride	96	70-130
2,2,4-Trimethylpentane	113	70-130
Benzene	99	70-130
1,2-Dichloroethane	103	70-130
Heptane	112	70-130
Trichloroethene	98	70-130
1,2-Dichloropropane	92	70-130
1,4-Dioxane	99	70-130
Bromodichloromethane	99	70-130
cis-1,3-Dichloropropene	108	70-130
4-Methyl-2-pentanone	109	70-130
Toluene	100	70-130
trans-1,3-Dichloropropene	114	70-130
1,1,2-Trichloroethane	100	70-130
Tetrachloroethene	104	70-130
2-Hexanone	102	70-130

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Client Sample ID: LCS

Lab ID#: 2109515A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 10:37 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	103	70-130
1,2-Dibromoethane (EDB)	106	70-130
Chlorobenzene	104	70-130
Ethyl Benzene	112	70-130
m,p-Xylene	116	70-130
o-Xylene	115	70-130
Styrene	116	70-130
Bromoform	106	70-130
Cumene	118	70-130
1,1,2,2-Tetrachloroethane	93	70-130
Propylbenzene	114	70-130
4-Ethyltoluene	114	70-130
1,3,5-Trimethylbenzene	115	70-130
1,2,4-Trimethylbenzene	120	70-130
1,3-Dichlorobenzene	108	70-130
1,4-Dichlorobenzene	112	70-130
alpha-Chlorotoluene	110	70-130
1,2-Dichlorobenzene	105	70-130
1,2,4-Trichlorobenzene	114	70-130
Hexachlorobutadiene	113	70-130
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	108	70-130

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Client Sample ID: LCSD

Lab ID#: 2109515A-04AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 11:05 AM**	

Compound	%Recovery	Method Limits
Freon 12	101	70-130
Freon 114	108	70-130
Chloromethane	92	70-130
Vinyl Chloride	89	70-130
1,3-Butadiene	102	70-130
Bromomethane	84	70-130
Chloroethane	104	70-130
Freon 11	103	70-130
Ethanol	88	70-130
Freon 113	98	70-130
1,1-Dichloroethene	106	70-130
Acetone	96	70-130
2-Propanol	104	70-130
Carbon Disulfide	99	70-130
3-Chloropropene	112	70-130
Methylene Chloride	96	70-130
Methyl tert-butyl ether	113	70-130
trans-1,2-Dichloroethene	108	70-130
Hexane	121	70-130
1,1-Dichloroethane	109	70-130
2-Butanone (Methyl Ethyl Ketone)	106	70-130
cis-1,2-Dichloroethene	112	70-130
Tetrahydrofuran	108	70-130
Chloroform	107	70-130
1,1,1-Trichloroethane	101	70-130
Cyclohexane	108	70-130
Carbon Tetrachloride	95	70-130
2,2,4-Trimethylpentane	114	70-130
Benzene	98	70-130
1,2-Dichloroethane	101	70-130
Heptane	112	70-130
Trichloroethene	100	70-130
1,2-Dichloropropane	92	70-130
1,4-Dioxane	98	70-130
Bromodichloromethane	99	70-130
cis-1,3-Dichloropropene	110	70-130
4-Methyl-2-pentanone	107	70-130
Toluene	99	70-130
trans-1,3-Dichloropropene	114	70-130
1,1,2-Trichloroethane	101	70-130
Tetrachloroethene	105	70-130
2-Hexanone	104	70-130

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Client Sample ID: LCSD

Lab ID#: 2109515A-04AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p092304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/21 11:05 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	102	70-130
1,2-Dibromoethane (EDB)	106	70-130
Chlorobenzene	105	70-130
Ethyl Benzene	115	70-130
m,p-Xylene	115	70-130
o-Xylene	115	70-130
Styrene	117	70-130
Bromoform	106	70-130
Cumene	118	70-130
1,1,2,2-Tetrachloroethane	92	70-130
Propylbenzene	110	70-130
4-Ethyltoluene	116	70-130
1,3,5-Trimethylbenzene	116	70-130
1,2,4-Trimethylbenzene	120	70-130
1,3-Dichlorobenzene	108	70-130
1,4-Dichlorobenzene	112	70-130
alpha-Chlorotoluene	110	70-130
1,2-Dichlorobenzene	106	70-130
1,2,4-Trichlorobenzene	125	70-130
Hexachlorobutadiene	122	70-130
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	107	70-130

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Analysis Request /Canister Chain of Custody

For Laboratory Use Only

PID: _____ Workorder #: 2109515

180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

Client: Ninyo & Moore
Project Name: 71 Camanitas
Project Manager: Bryan Fong Project # 407050002
Sampler: Laura Mosqueda
Site Name:

Special Instructions/Notes:

Turnaround Time (Rush surcharges may apply)
✓ Standard 10-Day Rush _____ (specify)

Lab ID	Field Sample Identification(Location)	Can #	Flow Controller #	Start Sampling Information		Stop Sampling Information		Canister Vacuum/Pressure		Lab Use Only		Requested Analyses			
				Date	Time	Date	Time	Initial (in Hg)	Final (in Hg)	Receipt	Final (psig) Gas: N_2 / He	10-15 TP Hg & VOCs	ASTM 1946-90 Helium & Oxygen		
01A	SV-2	A9009	25367	9/15/21	0943	9/15/21	0949	-28.5	-4.5			X	X		

Relinquished by: (Signature/Affiliation) Laura Mosqueda Ninyo & Moore	Date 9/15/2021	Time 13:28	Received by: (Signature/Affiliation) Secure location, Alameda office	Date 9/15/2021	Time 13:28
Relinquished by: (Signature/Affiliation) Leslie Jung N&M	Date 9/20/21	Time 11:44am	Received by: (Signature/Affiliation)	Date 9-20-21	Time 1144
Relinquished by: (Signature/Affiliation)	Date 9.20.21	Time 1415	Received by: (Signature/Affiliation)	Date 9.2021	Time 1415

Lab Use Only

Shipper Name: Courier | Custody Seals Intact? | Yes | No | None

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922

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9/27/2021
Mr. Bryan Fong
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda CA 94501

Project Name: 71 Camaritas
Project #: 404050002
Workorder #: 2109515B

Dear Mr. Bryan Fong

The following report includes the data for the above referenced project for sample(s) received on 9/20/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Monica Tran at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Monica Tran

Project Manager

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WORK ORDER #: 2109515B

Work Order Summary

CLIENT:	Mr. Bryan Fong Ninyo & Moore 2020 Challenger Drive Suite 103 Alameda, CA 94501	**BILL TO:**	Accounts Payable - Oakland Ninyo & Moore 2020 Challenger Drive Suite 103 Alameda, CA 94501
PHONE:	510-633-5640	**P.O. #**	
FAX:	(510) 633-5640	**PROJECT #**	404050002 71 Camaritas
DATE RECEIVED:	09/20/2021	**CONTACT:**	Monica Tran
DATE COMPLETED:	09/27/2021		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SV-2	Modified ASTM D-1946	4.5 "Hg	9.8 psi
02A	Lab Blank	Modified ASTM D-1946	NA	NA
02B	Lab Blank	Modified ASTM D-1946	NA	NA
03A	CCV	Modified ASTM D-1946	NA	NA
04A	LCS	Modified ASTM D-1946	NA	NA
04AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 09/27/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209220, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-20-16, UT NELAP – CA009332020-12, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-014, Effective date: 10/18/2020, Expiration date: 10/17/2021.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
Modified ASTM D-1946
Ninyo & Moore
Workorder# 2109515B

One 1 Liter Summa Canister sample was received on September 20, 2021. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A minimum of 5-point calibration curve is performed. Quantitation is based on average Response Factor.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: SV-2

Lab ID#: 2109515B-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.20	1.3
Methane	0.00020	0.40
Carbon Dioxide	0.020	18

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Client Sample ID: SV-2

Lab ID#: 2109515B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092506**	**Date of Collection: 9/15/21 9:49:00 AM**	
Dil. Factor:	**1.96**	**Date of Analysis: 9/25/21 07:51 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.20	1.3
Methane	0.00020	0.40
Carbon Dioxide	0.020	18
Helium	0.098	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Lab Blank

Lab ID#: 2109515B-02A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**10092503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/21 06:14 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 2109515B-02B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092504c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/21 06:37 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 2109515B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092501**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/21 11:09 PM**

Compound	%Recovery
Oxygen	95
Methane	98
Carbon Dioxide	103
Helium	99

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 2109515B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/21 11:35 PM**	

Compound	%Recovery	Method Limits
Oxygen	96	85-115
Methane	99	85-115
Carbon Dioxide	102	85-115
Helium	111	85-115

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 2109515B-04AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092521**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/21 08:57 PM**	

Compound	%Recovery	Method Limits
Oxygen	96	85-115
Methane	98	85-115
Carbon Dioxide	102	85-115
Helium	111	85-115

Container Type: NA - Not Applicable

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Analysis Request /Canister Chain of Custody

For Laboratory Use Only

PID: _____ Workorder #: 2109515

180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

Client: Ninyo & Moore
Project Name: 71 Camanitas
Project Manager: Bryan Fong Project # 407050002
Sampler: Laura Mosqueda
Site Name:

Special Instructions/Notes:

Turnaround Time (Rush surcharges may apply)
✓ Standard 10-Day Rush _____ (specify)

Lab ID	Field Sample Identification(Location)	Can #	Flow Controller #	Start Sampling Information		Stop Sampling Information		Canister Vacuum/Pressure		Lab Use Only		Requested Analyses			
				Date	Time	Date	Time	Initial (in Hg)	Final (in Hg)	Receipt	Final (psig) Gas: N_2 / He	10-15 TP Hg & VOCs	ASTM 1946-90 Helium & Oxygen		
01A	SV-2	A9009	25367	9/15/21	0943	9/15/21	0949	-28.5	-4.5			X	X		

Relinquished by: (Signature/Affiliation) Laura Mosqueda Ninyo & Moore	Date 9/15/2021	Time 13:28	Received by: (Signature/Affiliation) Secure location, Alameda office	Date 9/15/2021	Time 13:28
Relinquished by: (Signature/Affiliation) Leslie Jung N&M	Date 9/20/21	Time 11:44am	Received by: (Signature/Affiliation)	Date 9-20-21	Time 1144
Relinquished by: (Signature/Affiliation)	Date 9.20.21	Time 1415	Received by: (Signature/Affiliation)	Date 9.2021	Time 1415

Lab Use Only

Shipper Name: Courier | Custody Seals Intact? | Yes | No | None

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922

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ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-78598-1
Client Project/Site: 71 Camaritas, South San Francisco

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Bryan Fong

Authorized for release by:
9/17/2021 5:25:23 PM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Job ID: 320-78598-1
Project/Site: 71 Camaritas, South San Francisco

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 320-78598-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-78598-1

Comments
No additional comments.

Receipt
The samples were received on 9/8/2021 2:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 16.3º C.

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-523482 and analytical batch 320-523740.

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 320-523744 recovered outside control limits for the following analytes: n-Butylbenzene, Xylenes, Total, 1,1,2-Trichloro-1,2,2-trifluoroethane and Hexachlorobutadiene.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-523482 and analytical batch 320-523744.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-523482 and analytical batch 320-524534.

Method 8260B: Dichlorodifluoromethane recovery in the ICV associated with analytical batch 320-520604 was greater than the limit of +/- 25%D, at 26.9.5%. Per SOP WS-MS-0007 Rev.5.9 section 10.6.10, up to three gases are permitted to have recoveries at <30%D in the ICV; therefore, the data has been reported.

Method 8260B/CA_LUFTMS: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-523482 and analytical batch 320-523739.

Method 8260B/CA_LUFTMS: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-523482 and analytical batch 320-523743.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8015B: The following samples were diluted due to abundance of target analytes: SB-3-1 (320-78598-5) and SB-4-1 (320-78598-7). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8015B: The following sample was diluted to bring the concentration of target analytes within the calibration range: SB-1-1 (320-78598-1). Elevated reporting limits (RLs) are provided.

Method 8015B: Surrogate recovery for the following sample was outside control limits: SB-1-1 (320-78598-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: SB-1-1 (320-78598-1), SB-1-4 (320-78598-2), SB-2-1.5 (320-78598-3), SB-2-4 (320-78598-4), SB-3-1 (320-78598-5), SB-3-4 (320-78598-6), SB-4-1 (320-78598-7), SB-4-4 (320-78598-8), SB-5-1 (320-78598-9), SB-6-1 (320-78598-11), SB-7-1 (320-78598-12) and SB-8-1 (320-78598-13).

Method 8081A: The following samples required a dilution due to the nature of the sample matrix: SB-1-4 (320-78598-2), SB-2-4 (320-78598-4), SB-3-1 (320-78598-5) and SB-5-1 (320-78598-9). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Job ID: 320-78598-1 (Continued)

Laboratory: Eurofins TestAmerica, Sacramento (Continued)

Method 8081A: The continuing calibration verification (CCV) associated with batch 320-525181 recovered above the upper control limit for 4,4'-DDD . The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081A: The following samples were diluted due to the nature of the sample matrix : SB-1-1 (320-78598-1), SB-2-1.5 (320-78598-3), SB-2-4 (320-78598-4), SB-3-4 (320-78598-6), SB-4-1 (320-78598-7) and SB-5-4 (320-78598-10). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: SB-1-4 (320-78598-2), SB-2-4 (320-78598-4) and SB-5-1 (320-78598-9). Elevated reporting limits (RLs) are provided.

Method 8081A: The %RPD between the primary and confirmation column exceeded 40% for trans-Chlordane for the following samples: (320-78598-D-11-D MS) and (320-78598-D-11-E MSD). The result from the secondary column has been reported and qualified in accordance with the laboratory's SOP.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: SB-7-1 (320-78598-12) and SB-8-1 (320-78598-13). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-1-1 — Lab Sample ID: 320-78598-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	49		5.4		mg/Kg	5	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	310		27		mg/Kg	5	☼	8015B	Total/NA
Antimony	28		2.1		mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.2		2.1		mg/Kg	1	☼	6010B	Total/NA
Barium	63		1.1		mg/Kg	1	☼	6010B	Total/NA
Beryllium	1.0		0.21		mg/Kg	1	☼	6010B	Total/NA
Chromium	56		0.53		mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.2		0.53		mg/Kg	1	☼	6010B	Total/NA
Copper	9.7		1.6		mg/Kg	1	☼	6010B	Total/NA
Lead	4.7		1.1		mg/Kg	1	☼	6010B	Total/NA
Nickel	32		1.1		mg/Kg	1	☼	6010B	Total/NA
Vanadium	41		0.53		mg/Kg	1	☼	6010B	Total/NA
Zinc	24		2.1		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: SB-1-4 — Lab Sample ID: 320-78598-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	4.8		1.1		mg/Kg	1	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	31		5.4		mg/Kg	1	☼	8015B	Total/NA
Antimony	19		2.2		mg/Kg	1	☼	6010B	Total/NA
Barium	69		1.1		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.73		0.22		mg/Kg	1	☼	6010B	Total/NA
Chromium	43		0.55		mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.9		0.55		mg/Kg	1	☼	6010B	Total/NA
Copper	8.3		1.7		mg/Kg	1	☼	6010B	Total/NA
Lead	5.0		1.1		mg/Kg	1	☼	6010B	Total/NA
Nickel	23		1.1		mg/Kg	1	☼	6010B	Total/NA
Vanadium	32		0.55		mg/Kg	1	☼	6010B	Total/NA
Zinc	21		2.2		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: SB-2-1.5 — Lab Sample ID: 320-78598-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	8.4		1.1		mg/Kg	1	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	54		5.5		mg/Kg	1	☼	8015B	Total/NA
Antimony	26		2.2		mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.9		2.2		mg/Kg	1	☼	6010B	Total/NA
Barium	62		1.1		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.96		0.22		mg/Kg	1	☼	6010B	Total/NA
Chromium	56		0.54		mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.7		0.54		mg/Kg	1	☼	6010B	Total/NA
Copper	11		1.6		mg/Kg	1	☼	6010B	Total/NA
Lead	3.5		1.1		mg/Kg	1	☼	6010B	Total/NA
Nickel	28		1.1		mg/Kg	1	☼	6010B	Total/NA
Vanadium	46		0.54		mg/Kg	1	☼	6010B	Total/NA
Zinc	24		2.2		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: SB-2-4 — Lab Sample ID: 320-78598-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	76		16		ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	19		8.2		ug/Kg	1	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Detection Summary

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-2-4 (Continued)

Lab Sample ID: 320-78598-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	8.1		1.1		mg/Kg	1	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	46		5.5		mg/Kg	1	☼	8015B	Total/NA
Antimony	13		2.1		mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.1		2.1		mg/Kg	1	☼	6010B	Total/NA
Barium	68		1.1		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.57		0.21		mg/Kg	1	☼	6010B	Total/NA
Chromium	32		0.54		mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.2		0.54		mg/Kg	1	☼	6010B	Total/NA
Copper	7.7		1.6		mg/Kg	1	☼	6010B	Total/NA
Lead	5.9		1.1		mg/Kg	1	☼	6010B	Total/NA
Nickel	14		1.1		mg/Kg	1	☼	6010B	Total/NA
Vanadium	26		0.54		mg/Kg	1	☼	6010B	Total/NA
Zinc	24		2.1		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: SB-3-1

Lab Sample ID: 320-78598-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	140		21		mg/Kg	20	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	620		100		mg/Kg	20	☼	8015B	Total/NA
Antimony	14		2.1		mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.0		2.1		mg/Kg	1	☼	6010B	Total/NA
Barium	62		1.0		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.65		0.21		mg/Kg	1	☼	6010B	Total/NA
Chromium	38		0.52		mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.6		0.52		mg/Kg	1	☼	6010B	Total/NA
Copper	9.7		1.6		mg/Kg	1	☼	6010B	Total/NA
Lead	13		1.0		mg/Kg	1	☼	6010B	Total/NA
Nickel	27		1.0		mg/Kg	1	☼	6010B	Total/NA
Vanadium	32		0.52		mg/Kg	1	☼	6010B	Total/NA
Zinc	30		2.1		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: SB-3-4

Lab Sample ID: 320-78598-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	5.8		1.1		mg/Kg	1	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	29		5.4		mg/Kg	1	☼	8015B	Total/NA
Antimony	16		2.1		mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.0		2.1		mg/Kg	1	☼	6010B	Total/NA
Barium	58		1.1		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.67		0.21		mg/Kg	1	☼	6010B	Total/NA
Chromium	42		0.53		mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.6		0.53		mg/Kg	1	☼	6010B	Total/NA
Copper	8.1		1.6		mg/Kg	1	☼	6010B	Total/NA
Lead	21		1.1		mg/Kg	1	☼	6010B	Total/NA
Nickel	28		1.1		mg/Kg	1	☼	6010B	Total/NA
Vanadium	28		0.53		mg/Kg	1	☼	6010B	Total/NA
Zinc	29		2.1		mg/Kg	1	☼	6010B	Total/NA
Mercury	0.048		0.044		mg/Kg	1	☼	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-4-1 — Lab Sample ID: 320-78598-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	51		21		mg/Kg	20	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	360		110		mg/Kg	20	☼	8015B	Total/NA
Antimony	14		2.1		mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.3		2.1		mg/Kg	1	☼	6010B	Total/NA
Barium	50		1.1		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.63		0.21		mg/Kg	1	☼	6010B	Total/NA
Chromium	34		0.53		mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.5		0.53		mg/Kg	1	☼	6010B	Total/NA
Copper	11		1.6		mg/Kg	1	☼	6010B	Total/NA
Lead	14		1.1		mg/Kg	1	☼	6010B	Total/NA
Nickel	23		1.1		mg/Kg	1	☼	6010B	Total/NA
Vanadium	28		0.53		mg/Kg	1	☼	6010B	Total/NA
Zinc	27		2.1		mg/Kg	1	☼	6010B	Total/NA
Mercury	0.044		0.043		mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: SB-4-4 — Lab Sample ID: 320-78598-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.8		1.1		mg/Kg	1	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	19		5.4		mg/Kg	1	☼	8015B	Total/NA
Antimony	15		2.1		mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.4		2.1		mg/Kg	1	☼	6010B	Total/NA
Barium	50		1.1		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.62		0.21		mg/Kg	1	☼	6010B	Total/NA
Chromium	35		0.54		mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.9		0.54		mg/Kg	1	☼	6010B	Total/NA
Copper	7.6		1.6		mg/Kg	1	☼	6010B	Total/NA
Lead	18		1.1		mg/Kg	1	☼	6010B	Total/NA
Nickel	22		1.1		mg/Kg	1	☼	6010B	Total/NA
Vanadium	27		0.54		mg/Kg	1	☼	6010B	Total/NA
Zinc	85		2.1		mg/Kg	1	☼	6010B	Total/NA
Mercury	0.044		0.043		mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: SB-5-1 — Lab Sample ID: 320-78598-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	28		16		ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	8.2		8.2		ug/Kg	1	☼	8260B	Total/NA
Diesel Range Organics [C10-C28]	3.6		1.1		mg/Kg	1	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	18		5.3		mg/Kg	1	☼	8015B	Total/NA
Antimony	16		2.2		mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.3		2.2		mg/Kg	1	☼	6010B	Total/NA
Barium	47		1.1		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.69		0.22		mg/Kg	1	☼	6010B	Total/NA
Chromium	37		0.54		mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.5		0.54		mg/Kg	1	☼	6010B	Total/NA
Copper	7.4		1.6		mg/Kg	1	☼	6010B	Total/NA
Lead	11		1.1		mg/Kg	1	☼	6010B	Total/NA
Nickel	24		1.1		mg/Kg	1	☼	6010B	Total/NA
Vanadium	30		0.54		mg/Kg	1	☼	6010B	Total/NA
Zinc	22		2.2		mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-5-4 — Lab Sample ID: 320-78598-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	29		2.2		mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.4		2.2		mg/Kg	1	☼	6010B	Total/NA
Barium	42		1.1		mg/Kg	1	☼	6010B	Total/NA
Beryllium	1.0		0.22		mg/Kg	1	☼	6010B	Total/NA
Chromium	58		0.54		mg/Kg	1	☼	6010B	Total/NA
Cobalt	7.5		0.54		mg/Kg	1	☼	6010B	Total/NA
Copper	13		1.6		mg/Kg	1	☼	6010B	Total/NA
Lead	3.4		1.1		mg/Kg	1	☼	6010B	Total/NA
Nickel	39		1.1		mg/Kg	1	☼	6010B	Total/NA
Vanadium	41		0.54		mg/Kg	1	☼	6010B	Total/NA
Zinc	23		2.2		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: SB-6-1 — Lab Sample ID: 320-78598-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	13		1.0		mg/Kg	1	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	49		5.2		mg/Kg	1	☼	8015B	Total/NA
Antimony	17		2.1		mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.6		2.1		mg/Kg	1	☼	6010B	Total/NA
Barium	80		1.1		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.77		0.21		mg/Kg	1	☼	6010B	Total/NA
Chromium	47		0.53		mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.53		mg/Kg	1	☼	6010B	Total/NA
Copper	10		1.6		mg/Kg	1	☼	6010B	Total/NA
Lead	9.6		1.1		mg/Kg	1	☼	6010B	Total/NA
Nickel	44		1.1		mg/Kg	1	☼	6010B	Total/NA
Vanadium	32		0.53		mg/Kg	1	☼	6010B	Total/NA
Zinc	27		2.1		mg/Kg	1	☼	6010B	Total/NA
Mercury	0.048		0.042		mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: SB-7-1 — Lab Sample ID: 320-78598-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	8.8		1.0		mg/Kg	1	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	35		5.2		mg/Kg	1	☼	8015B	Total/NA
Antimony	23		2.1		mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.2		2.1		mg/Kg	1	☼	6010B	Total/NA
Barium	65		1.0		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.90		0.21		mg/Kg	1	☼	6010B	Total/NA
Chromium	54		0.52		mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.7		0.52		mg/Kg	1	☼	6010B	Total/NA
Copper	14		1.6		mg/Kg	1	☼	6010B	Total/NA
Lead	8.9		1.0		mg/Kg	1	☼	6010B	Total/NA
Nickel	41		1.0		mg/Kg	1	☼	6010B	Total/NA
Vanadium	38		0.52		mg/Kg	1	☼	6010B	Total/NA
Zinc	30		2.1		mg/Kg	1	☼	6010B	Total/NA
Mercury	0.055		0.045		mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: SB-8-1 — Lab Sample ID: 320-78598-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	11		1.0		mg/Kg	1	☼	8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-8-1 (Continued)

Lab Sample ID: 320-78598-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Motor Oil Range Organics [C28-C40]	41		5.2		mg/Kg	1	☼	8015B	Total/NA
Antimony	24		2.0		mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.9		2.0		mg/Kg	1	☼	6010B	Total/NA
Barium	57		1.0		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.91		0.20		mg/Kg	1	☼	6010B	Total/NA
Chromium	53		0.51		mg/Kg	1	☼	6010B	Total/NA
Cobalt	7.2		0.51		mg/Kg	1	☼	6010B	Total/NA
Copper	13		1.5		mg/Kg	1	☼	6010B	Total/NA
Lead	12		1.0		mg/Kg	1	☼	6010B	Total/NA
Nickel	37		1.0		mg/Kg	1	☼	6010B	Total/NA
Vanadium	36		0.51		mg/Kg	1	☼	6010B	Total/NA
Zinc	30		2.0		mg/Kg	1	☼	6010B	Total/NA
Mercury	0.045		0.041		mg/Kg	1	☼	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-1-1
Date Collected: 09/08/21 09:25
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-1
Matrix: Solid
Percent Solids: 91.3

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.44		mg/Kg	☼	09/08/21 20:25	09/10/21 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 131*	*09/08/21 20:25*	*09/10/21 13:41*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Benzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Bromobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Bromochloromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Bromodichloromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Bromoform	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Bromomethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
2-Butanone (MEK)	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
n-Butylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
sec-Butylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
tert-Butylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Carbon disulfide	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Carbon tetrachloride	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Chlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Chloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Chloroform	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Chloromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
2-Chlorotoluene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
4-Chlorotoluene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,2-Dibromo-3-Chloropropane	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,2-Dibromoethane (EDB)	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Dibromochloromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Dibromomethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,2-Dichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,3-Dichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,4-Dichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Dichlorodifluoromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,1-Dichloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,2-Dichloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
cis-1,2-Dichloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
trans-1,2-Dichloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,1-Dichloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,2-Dichloropropane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,3-Dichloropropane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
2,2-Dichloropropane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
cis-1,3-Dichloropropene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
trans-1,3-Dichloropropene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,1-Dichloropropene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Ethylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Hexachlorobutadiene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
2-Hexanone	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Isopropylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1

Client Sample ID: SB-1-1
Date Collected: 09/08/21 09:25
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-1
Matrix: Solid
Percent Solids: 91.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
4-Methyl-2-pentanone (MIBK)	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Methyl tert-butyl ether	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Methylene Chloride	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Naphthalene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
N-Propylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Styrene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,1,1,2-Tetrachloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,1,2,2-Tetrachloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Tetrachloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Toluene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,2,3-Trichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,2,4-Trichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,1,1-Trichloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,1,2-Trichloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Trichloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Trichlorofluoromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,2,3-Trichloropropane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,2,4-Trimethylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
1,3,5-Trimethylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Vinyl acetate	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Vinyl chloride	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
m-Xylene & p-Xylene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
o-Xylene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1
Xylenes, Total	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*63 - 143*	*09/08/21 20:25*	*09/13/21 15:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*32 - 156*	*09/08/21 20:25*	*09/13/21 15:10*	*1*
Toluene-d8 (Surr)	*114*		*63 - 138*	*09/08/21 20:25*	*09/13/21 15:10*	*1*
Dibromofluoromethane (Surr)	*109*		*55 - 129*	*09/08/21 20:25*	*09/13/21 15:10*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**49**		5.4		mg/Kg	☼	09/13/21 10:13	09/13/21 20:42	5
Motor Oil Range Organics [C28-C40]	**310**		27		mg/Kg	☼	09/13/21 10:13	09/13/21 20:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*41*	*S1-*	*51 - 111*	*09/13/21 10:13*	*09/13/21 20:42*	*5*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
4,4'-DDE	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
4,4'-DDT	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
Aldrin	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
alpha-BHC	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
beta-BHC	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
gamma-BHC (Lindane)	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5

Client Sample ID: SB-1-1
Lab Sample ID: 320-78598-1
Date Collected: 09/08/21 09:25
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 91.3

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
cis-Chlordane	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
trans-Chlordane	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
Dieldrin	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
Endosulfan I	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
Endosulfan II	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
Endosulfan sulfate	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
Endrin	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
Endrin aldehyde	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
Endrin ketone	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
Heptachlor	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
Heptachlor epoxide	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
Methoxychlor	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5
Toxaphene	ND		350		ug/Kg	☼	09/13/21 13:55	09/16/21 09:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*47 - 107*	*09/13/21 13:55*	*09/16/21 09:45*	*5*
Tetrachloro-m-xylene	*81*		*47 - 107*	*09/13/21 13:55*	*09/16/21 09:45*	*5*
DCB Decachlorobiphenyl	*40*	*S1-*	*46 - 109*	*09/13/21 13:55*	*09/16/21 09:45*	*5*
DCB Decachlorobiphenyl	*94*		*46 - 109*	*09/13/21 13:55*	*09/16/21 09:45*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**28**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Arsenic	**3.2**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Barium	**63**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Beryllium	**1.0**		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Cadmium	ND		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Chromium	**56**		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Cobalt	**8.2**		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Copper	**9.7**		1.6		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Lead	**4.7**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Molybdenum	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Nickel	**32**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Selenium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Silver	ND		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Thallium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Vanadium	**41**		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1
Zinc	**24**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:05	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.041		mg/Kg	☼	09/15/21 09:47	09/16/21 10:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.7**		0.1		%			09/09/21 10:08	1
Percent Solids	**91.3**		0.1		%			09/09/21 10:08	1

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-1-4
Date Collected: 09/08/21 09:47
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-2
Matrix: Solid
Percent Solids: 90.9

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.43		mg/Kg	☼	09/08/21 20:25	09/10/21 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 131*	*09/08/21 20:25*	*09/10/21 14:04*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Benzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Bromobenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Bromochloromethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Bromodichloromethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Bromoform	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Bromomethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
2-Butanone (MEK)	ND		8.3		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
n-Butylbenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
sec-Butylbenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
tert-Butylbenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Carbon disulfide	ND		8.3		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Carbon tetrachloride	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Chlorobenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Chloroethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Chloroform	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Chloromethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
2-Chlorotoluene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
4-Chlorotoluene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,2-Dibromo-3-Chloropropane	ND		8.3		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,2-Dibromoethane (EDB)	ND		8.3		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Dibromochloromethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Dibromomethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,2-Dichlorobenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,3-Dichlorobenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,4-Dichlorobenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Dichlorodifluoromethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,1-Dichloroethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,2-Dichloroethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
trans-1,2-Dichloroethene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,1-Dichloroethene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,2-Dichloropropane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,3-Dichloropropane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
2,2-Dichloropropane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
cis-1,3-Dichloropropene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
trans-1,3-Dichloropropene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,1-Dichloropropene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Ethylbenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Hexachlorobutadiene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
2-Hexanone	ND		8.3		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Isopropylbenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1

Client Sample ID: SB-1-4
Date Collected: 09/08/21 09:47
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-2
Matrix: Solid
Percent Solids: 90.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
4-Methyl-2-pentanone (MIBK)	ND		8.3		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Methyl tert-butyl ether	ND		8.3		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Methylene Chloride	ND		8.3		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Naphthalene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
N-Propylbenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Styrene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,1,1,2-Tetrachloroethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,1,2,2-Tetrachloroethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Tetrachloroethene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Toluene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,2,3-Trichlorobenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,2,4-Trichlorobenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,1,1-Trichloroethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,1,2-Trichloroethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.3		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Trichloroethene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Trichlorofluoromethane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,2,3-Trichloropropane	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,2,4-Trimethylbenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
1,3,5-Trimethylbenzene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Vinyl acetate	ND		8.3		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Vinyl chloride	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
m-Xylene & p-Xylene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
o-Xylene	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1
Xylenes, Total	ND		4.2		ug/Kg	☼	09/08/21 20:25	09/13/21 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*63 - 143*	*09/08/21 20:25*	*09/13/21 15:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*32 - 156*	*09/08/21 20:25*	*09/13/21 15:33*	*1*
Toluene-d8 (Surr)	*118*		*63 - 138*	*09/08/21 20:25*	*09/13/21 15:33*	*1*
Dibromofluoromethane (Surr)	*113*		*55 - 129*	*09/08/21 20:25*	*09/13/21 15:33*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**4.8**		1.1		mg/Kg	☼	09/13/21 10:13	09/13/21 21:06	1
Motor Oil Range Organics [C28-C40]	**31**		5.4		mg/Kg	☼	09/13/21 10:13	09/13/21 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*60*		*51 - 111*	*09/13/21 10:13*	*09/13/21 21:06*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
4,4'-DDE	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
4,4'-DDT	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
Aldrin	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
alpha-BHC	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
beta-BHC	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
gamma-BHC (Lindane)	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20

Client Sample ID: SB-1-4
Date Collected: 09/08/21 09:47
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-2
Matrix: Solid
Percent Solids: 90.9

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
cis-Chlordane	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
trans-Chlordane	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
Dieldrin	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
Endosulfan I	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
Endosulfan II	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
Endosulfan sulfate	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
Endrin	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
Endrin aldehyde	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
Endrin ketone	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
Heptachlor	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
Heptachlor epoxide	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
Methoxychlor	ND		73		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20
Toxaphene	ND		1400		ug/Kg	☼	09/13/21 13:55	09/16/21 10:04	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*142*	*S1+*	*47 - 107*	*09/13/21 13:55*	*09/16/21 10:04*	*20*
Tetrachloro-m-xylene	*107*		*47 - 107*	*09/13/21 13:55*	*09/16/21 10:04*	*20*
DCB Decachlorobiphenyl	*66*		*46 - 109*	*09/13/21 13:55*	*09/16/21 10:04*	*20*
DCB Decachlorobiphenyl	*95*		*46 - 109*	*09/13/21 13:55*	*09/16/21 10:04*	*20*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**19**		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Arsenic	ND		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Barium	**69**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Beryllium	**0.73**		0.22		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Cadmium	ND		0.22		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Chromium	**43**		0.55		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Cobalt	**5.9**		0.55		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Copper	**8.3**		1.7		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Lead	**5.0**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Molybdenum	ND		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Nickel	**23**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Selenium	ND		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Silver	ND		0.55		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Thallium	ND		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Vanadium	**32**		0.55		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1
Zinc	**21**		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:09	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.043		mg/Kg	☼	09/15/21 09:47	09/16/21 10:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.1**		0.1		%			09/09/21 10:08	1
Percent Solids	**90.9**		0.1		%			09/09/21 10:08	1

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-2-1.5

Date Collected: 09/08/21 10:47
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-3

Matrix: Solid
Percent Solids: 90.1

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.41		mg/Kg	☼	09/08/21 20:25	09/10/21 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 131*	*09/08/21 20:25*	*09/10/21 14:26*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Benzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Bromobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Bromochloromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Bromodichloromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Bromoform	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Bromomethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
2-Butanone (MEK)	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
n-Butylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
sec-Butylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
tert-Butylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Carbon disulfide	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Carbon tetrachloride	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Chlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Chloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Chloroform	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Chloromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
2-Chlorotoluene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
4-Chlorotoluene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,2-Dibromo-3-Chloropropane	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,2-Dibromoethane (EDB)	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Dibromochloromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Dibromomethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,2-Dichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,3-Dichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,4-Dichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Dichlorodifluoromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,1-Dichloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,2-Dichloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
cis-1,2-Dichloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
trans-1,2-Dichloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,1-Dichloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,2-Dichloropropane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,3-Dichloropropane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
2,2-Dichloropropane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
cis-1,3-Dichloropropene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
trans-1,3-Dichloropropene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,1-Dichloropropene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Ethylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Hexachlorobutadiene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
2-Hexanone	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Isopropylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1

Client Sample ID: SB-2-1.5
Date Collected: 09/08/21 10:47
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-3
Matrix: Solid
Percent Solids: 90.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Methyl tert-butyl ether	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Methylene Chloride	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Naphthalene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
N-Propylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Styrene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,1,1,2-Tetrachloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,1,2,2-Tetrachloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Tetrachloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Toluene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,2,3-Trichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,2,4-Trichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,1,1-Trichloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,1,2-Trichloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Trichloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Trichlorofluoromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,2,3-Trichloropropane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,2,4-Trimethylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
1,3,5-Trimethylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Vinyl acetate	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Vinyl chloride	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
m-Xylene & p-Xylene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
o-Xylene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1
Xylenes, Total	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/13/21 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*63 - 143*	*09/08/21 20:25*	*09/13/21 15:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*32 - 156*	*09/08/21 20:25*	*09/13/21 15:55*	*1*
Toluene-d8 (Surr)	*115*		*63 - 138*	*09/08/21 20:25*	*09/13/21 15:55*	*1*
Dibromofluoromethane (Surr)	*113*		*55 - 129*	*09/08/21 20:25*	*09/13/21 15:55*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**8.4**		1.1		mg/Kg	☼	09/13/21 10:13	09/13/21 21:29	1
Motor Oil Range Organics [C28-C40]	**54**		5.5		mg/Kg	☼	09/13/21 10:13	09/13/21 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*61*		*51 - 111*	*09/13/21 10:13*	*09/13/21 21:29*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
4,4'-DDE	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
4,4'-DDT	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
Aldrin	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
alpha-BHC	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
beta-BHC	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
gamma-BHC (Lindane)	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5

Client Sample ID: SB-2-1.5
Date Collected: 09/08/21 10:47
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-3
Matrix: Solid
Percent Solids: 90.1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
cis-Chlordane	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
trans-Chlordane	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
Dieldrin	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
Endosulfan I	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
Endosulfan II	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
Endosulfan sulfate	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
Endrin	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
Endrin aldehyde	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
Endrin ketone	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
Heptachlor	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
Heptachlor epoxide	ND		9.2		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
Methoxychlor	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5
Toxaphene	ND		360		ug/Kg	☼	09/13/21 13:55	09/16/21 10:23	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*47 - 107*	*09/13/21 13:55*	*09/16/21 10:23*	*5*
Tetrachloro-m-xylene	*76*		*47 - 107*	*09/13/21 13:55*	*09/16/21 10:23*	*5*
DCB Decachlorobiphenyl	*36*	*S1-*	*46 - 109*	*09/13/21 13:55*	*09/16/21 10:23*	*5*
DCB Decachlorobiphenyl	*66*		*46 - 109*	*09/13/21 13:55*	*09/16/21 10:23*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**26**		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Arsenic	**2.9**		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Barium	**62**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Beryllium	**0.96**		0.22		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Cadmium	ND		0.22		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Chromium	**56**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Cobalt	**8.7**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Copper	**11**		1.6		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Lead	**3.5**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Molybdenum	ND		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Nickel	**28**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Selenium	ND		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Silver	ND		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Thallium	ND		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Vanadium	**46**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1
Zinc	**24**		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:13	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.047		mg/Kg	☼	09/15/21 09:47	09/16/21 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.9**		0.1		%			09/09/21 10:08	1
Percent Solids	**90.1**		0.1		%			09/09/21 10:08	1

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-2-4

Date Collected: 09/08/21 10:52
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-4

Matrix: Solid
Percent Solids: 89.8

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.41		mg/Kg	☼	09/08/21 20:25	09/10/21 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 131*	*09/08/21 20:25*	*09/10/21 14:48*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**76**		16		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Benzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Bromobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Bromochloromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Bromodichloromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Bromoform	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Bromomethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
2-Butanone (MEK)	**19**		8.2		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
n-Butylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
sec-Butylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
tert-Butylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Carbon disulfide	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Carbon tetrachloride	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Chlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Chloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Chloroform	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Chloromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
2-Chlorotoluene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
4-Chlorotoluene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,2-Dibromo-3-Chloropropane	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,2-Dibromoethane (EDB)	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Dibromochloromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Dibromomethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,2-Dichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,3-Dichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,4-Dichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Dichlorodifluoromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,1-Dichloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,2-Dichloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
trans-1,2-Dichloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,1-Dichloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,2-Dichloropropane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,3-Dichloropropane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
2,2-Dichloropropane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
cis-1,3-Dichloropropene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
trans-1,3-Dichloropropene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,1-Dichloropropene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Ethylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Hexachlorobutadiene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
2-Hexanone	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Isopropylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1

Client Sample ID: SB-2-4
Lab Sample ID: 320-78598-4
Date Collected: 09/08/21 10:52
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 89.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Methyl tert-butyl ether	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Methylene Chloride	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Naphthalene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
N-Propylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Styrene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,1,1,2-Tetrachloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,1,2,2-Tetrachloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Tetrachloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Toluene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,2,3-Trichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,2,4-Trichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,1,1-Trichloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,1,2-Trichloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Trichloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Trichlorofluoromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,2,3-Trichloropropane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,2,4-Trimethylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
1,3,5-Trimethylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Vinyl acetate	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Vinyl chloride	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
m-Xylene & p-Xylene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
o-Xylene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1
Xylenes, Total	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/10/21 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*63 - 143*	*09/08/21 20:25*	*09/10/21 14:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*32 - 156*	*09/08/21 20:25*	*09/10/21 14:48*	*1*
Toluene-d8 (Surr)	*114*		*63 - 138*	*09/08/21 20:25*	*09/10/21 14:48*	*1*
Dibromofluoromethane (Surr)	*111*		*55 - 129*	*09/08/21 20:25*	*09/10/21 14:48*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**8.1**		1.1		mg/Kg	☼	09/13/21 10:13	09/13/21 21:53	1
Motor Oil Range Organics [C28-C40]	**46**		5.5		mg/Kg	☼	09/13/21 10:13	09/13/21 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*59*		*51 - 111*	*09/13/21 10:13*	*09/13/21 21:53*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
4,4'-DDE	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
4,4'-DDT	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
Aldrin	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
alpha-BHC	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
beta-BHC	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
gamma-BHC (Lindane)	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20

Client Sample ID: SB-2-4
Date Collected: 09/08/21 10:52
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-4
Matrix: Solid
Percent Solids: 89.8

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
cis-Chlordane	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
trans-Chlordane	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
Dieldrin	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
Endosulfan I	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
Endosulfan II	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
Endosulfan sulfate	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
Endrin	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
Endrin aldehyde	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
Endrin ketone	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
Heptachlor	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
Heptachlor epoxide	ND		36		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
Methoxychlor	ND		71		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20
Toxaphene	ND		1400		ug/Kg	☼	09/13/21 13:55	09/16/21 10:42	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*154*	*S1+*	*47 - 107*	*09/13/21 13:55*	*09/16/21 10:42*	*20*
Tetrachloro-m-xylene	*114*	*S1+*	*47 - 107*	*09/13/21 13:55*	*09/16/21 10:42*	*20*
DCB Decachlorobiphenyl	*40*	*S1-*	*46 - 109*	*09/13/21 13:55*	*09/16/21 10:42*	*20*
DCB Decachlorobiphenyl	*92*		*46 - 109*	*09/13/21 13:55*	*09/16/21 10:42*	*20*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**13**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Arsenic	**2.1**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Barium	**68**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Beryllium	**0.57**		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Cadmium	ND		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Chromium	**32**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Cobalt	**4.2**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Copper	**7.7**		1.6		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Lead	**5.9**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Molybdenum	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Nickel	**14**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Selenium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Silver	ND		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Thallium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Vanadium	**26**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1
Zinc	**24**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:16	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.045		mg/Kg	☼	09/15/21 09:47	09/16/21 10:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.2**		0.1		%			09/09/21 10:08	1
Percent Solids	**89.8**		0.1		%			09/09/21 10:08	1

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-3-1
Date Collected: 09/08/21 11:12
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-5
Matrix: Solid
Percent Solids: 93.0

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.46		mg/Kg	☼	09/08/21 20:25	09/10/21 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 131*	*09/08/21 20:25*	*09/10/21 15:10*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Benzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Bromobenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Bromochloromethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Bromodichloromethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Bromoform	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Bromomethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
2-Butanone (MEK)	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
n-Butylbenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
sec-Butylbenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
tert-Butylbenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Carbon disulfide	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Carbon tetrachloride	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Chlorobenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Chloroethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Chloroform	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Chloromethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
2-Chlorotoluene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
4-Chlorotoluene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,2-Dibromo-3-Chloropropane	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,2-Dibromoethane (EDB)	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Dibromochloromethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Dibromomethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,2-Dichlorobenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,3-Dichlorobenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,4-Dichlorobenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Dichlorodifluoromethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,1-Dichloroethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,2-Dichloroethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
cis-1,2-Dichloroethene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
trans-1,2-Dichloroethene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,1-Dichloroethene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,2-Dichloropropane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,3-Dichloropropane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
2,2-Dichloropropane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
cis-1,3-Dichloropropene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
trans-1,3-Dichloropropene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,1-Dichloropropene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Ethylbenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Hexachlorobutadiene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
2-Hexanone	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Isopropylbenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1

Client Sample ID: SB-3-1
Lab Sample ID: 320-78598-5
Date Collected: 09/08/21 11:12
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 93.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
4-Methyl-2-pentanone (MIBK)	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Methyl tert-butyl ether	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Methylene Chloride	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Naphthalene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
N-Propylbenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Styrene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,1,1,2-Tetrachloroethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,1,2,2-Tetrachloroethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Tetrachloroethene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Toluene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,2,3-Trichlorobenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,2,4-Trichlorobenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,1,1-Trichloroethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,1,2-Trichloroethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Trichloroethene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Trichlorofluoromethane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,2,3-Trichloropropane	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,2,4-Trimethylbenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
1,3,5-Trimethylbenzene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Vinyl acetate	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Vinyl chloride	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
m-Xylene & p-Xylene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
o-Xylene	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1
Xylenes, Total	ND		4.6		ug/Kg	☼	09/08/21 20:25	09/10/21 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*63 - 143*	*09/08/21 20:25*	*09/10/21 15:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*32 - 156*	*09/08/21 20:25*	*09/10/21 15:10*	*1*
Toluene-d8 (Surr)	*112*		*63 - 138*	*09/08/21 20:25*	*09/10/21 15:10*	*1*
Dibromofluoromethane (Surr)	*111*		*55 - 129*	*09/08/21 20:25*	*09/10/21 15:10*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**140**		21		mg/Kg	☼	09/13/21 10:13	09/13/21 22:17	20
Motor Oil Range Organics [C28-C40]	**620**		100		mg/Kg	☼	09/13/21 10:13	09/13/21 22:17	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*S1-*	*51 - 111*	*09/13/21 10:13*	*09/13/21 22:17*	*20*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
4,4'-DDE	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
4,4'-DDT	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
Aldrin	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
alpha-BHC	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
beta-BHC	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
gamma-BHC (Lindane)	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10

Client Sample ID: SB-3-1
Lab Sample ID: 320-78598-5
Date Collected: 09/08/21 11:12
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 93.0

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
cis-Chlordane	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
trans-Chlordane	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
Dieldrin	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
Endosulfan I	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
Endosulfan II	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
Endosulfan sulfate	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
Endrin	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
Endrin aldehyde	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
Endrin ketone	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
Heptachlor	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
Heptachlor epoxide	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
Methoxychlor	ND		35		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10
Toxaphene	ND		690		ug/Kg	☼	09/13/21 13:55	09/16/21 11:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*71*		*47 - 107*	*09/13/21 13:55*	*09/16/21 11:01*	*10*
Tetrachloro-m-xylene	*86*		*47 - 107*	*09/13/21 13:55*	*09/16/21 11:01*	*10*
DCB Decachlorobiphenyl	*46*		*46 - 109*	*09/13/21 13:55*	*09/16/21 11:01*	*10*
DCB Decachlorobiphenyl	*61*		*46 - 109*	*09/13/21 13:55*	*09/16/21 11:01*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**14**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Arsenic	**4.0**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Barium	**62**		1.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Beryllium	**0.65**		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Cadmium	ND		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Chromium	**38**		0.52		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Cobalt	**6.6**		0.52		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Copper	**9.7**		1.6		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Lead	**13**		1.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Molybdenum	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Nickel	**27**		1.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Selenium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Silver	ND		0.52		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Thallium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Vanadium	**32**		0.52		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1
Zinc	**30**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:20	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.042		mg/Kg	☼	09/15/21 09:47	09/16/21 10:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.0**		0.1		%			09/09/21 10:08	1
Percent Solids	**93.0**		0.1		%			09/09/21 10:08	1

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-3-4
Date Collected: 09/08/21 11:18
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-6
Matrix: Solid
Percent Solids: 90.3

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.45		mg/Kg	☼	09/08/21 20:25	09/10/21 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 131*	*09/08/21 20:25*	*09/10/21 15:33*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Benzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Bromobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Bromochloromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Bromodichloromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Bromoform	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Bromomethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
2-Butanone (MEK)	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
n-Butylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
sec-Butylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
tert-Butylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Carbon disulfide	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Carbon tetrachloride	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Chlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Chloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Chloroform	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Chloromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
2-Chlorotoluene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
4-Chlorotoluene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,2-Dibromo-3-Chloropropane	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,2-Dibromoethane (EDB)	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Dibromochloromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Dibromomethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,2-Dichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,3-Dichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,4-Dichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Dichlorodifluoromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,1-Dichloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,2-Dichloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
cis-1,2-Dichloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
trans-1,2-Dichloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,1-Dichloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,2-Dichloropropane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,3-Dichloropropane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
2,2-Dichloropropane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
cis-1,3-Dichloropropene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
trans-1,3-Dichloropropene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,1-Dichloropropene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Ethylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Hexachlorobutadiene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
2-Hexanone	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Isopropylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1

Client Sample ID: SB-3-4
Date Collected: 09/08/21 11:18
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-6
Matrix: Solid
Percent Solids: 90.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
4-Methyl-2-pentanone (MIBK)	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Methyl tert-butyl ether	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Methylene Chloride	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Naphthalene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
N-Propylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Styrene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,1,1,2-Tetrachloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,1,2,2-Tetrachloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Tetrachloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Toluene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,2,3-Trichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,2,4-Trichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,1,1-Trichloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,1,2-Trichloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Trichloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Trichlorofluoromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,2,3-Trichloropropane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,2,4-Trimethylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
1,3,5-Trimethylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Vinyl acetate	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Vinyl chloride	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
m-Xylene & p-Xylene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
o-Xylene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1
Xylenes, Total	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*63 - 143*	*09/08/21 20:25*	*09/10/21 15:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*32 - 156*	*09/08/21 20:25*	*09/10/21 15:33*	*1*
Toluene-d8 (Surr)	*115*		*63 - 138*	*09/08/21 20:25*	*09/10/21 15:33*	*1*
Dibromofluoromethane (Surr)	*113*		*55 - 129*	*09/08/21 20:25*	*09/10/21 15:33*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**5.8**		1.1		mg/Kg	☼	09/13/21 10:13	09/13/21 22:41	1
Motor Oil Range Organics [C28-C40]	**29**		5.4		mg/Kg	☼	09/13/21 10:13	09/13/21 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*60*		*51 - 111*	*09/13/21 10:13*	*09/13/21 22:41*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
4,4'-DDE	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
4,4'-DDT	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
Aldrin	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
alpha-BHC	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
beta-BHC	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1

Client Sample ID: SB-3-4
Date Collected: 09/08/21 11:18
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-6
Matrix: Solid
Percent Solids: 90.3

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
cis-Chlordane	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
trans-Chlordane	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
Dieldrin	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
Endosulfan I	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
Endosulfan II	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
Endosulfan sulfate	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
Endrin	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
Endrin aldehyde	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
Endrin ketone	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
Heptachlor	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
Heptachlor epoxide	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
Methoxychlor	ND		3.7		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1
Toxaphene	ND		74		ug/Kg	☼	09/13/21 13:55	09/16/21 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*13*	*S1-*	*47 - 107*	*09/13/21 13:55*	*09/16/21 01:06*	*1*
Tetrachloro-m-xylene	*13*	*S1-*	*47 - 107*	*09/13/21 13:55*	*09/16/21 01:06*	*1*
DCB Decachlorobiphenyl	*10*	*S1-*	*46 - 109*	*09/13/21 13:55*	*09/16/21 01:06*	*1*
DCB Decachlorobiphenyl	*13*	*S1-*	*46 - 109*	*09/13/21 13:55*	*09/16/21 01:06*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**16**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Arsenic	**3.0**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Barium	**58**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Beryllium	**0.67**		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Cadmium	ND		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Chromium	**42**		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Cobalt	**5.6**		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Copper	**8.1**		1.6		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Lead	**21**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Molybdenum	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Nickel	**28**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Selenium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Silver	ND		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Thallium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Vanadium	**28**		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1
Zinc	**29**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:24	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.048**		0.044		mg/Kg	☼	09/15/21 09:47	09/16/21 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		0.1		%			09/09/21 10:08	1
Percent Solids	**90.3**		0.1		%			09/09/21 10:08	1

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-4-1

Date Collected: 09/08/21 08:36
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-7

Matrix: Solid
Percent Solids: 92.2

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.39		mg/Kg	☼	09/08/21 20:25	09/10/21 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 131*	*09/08/21 20:25*	*09/10/21 15:55*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Benzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Bromobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Bromochloromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Bromodichloromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Bromoform	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Bromomethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
2-Butanone (MEK)	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
n-Butylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
sec-Butylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
tert-Butylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Carbon disulfide	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Carbon tetrachloride	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Chlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Chloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Chloroform	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Chloromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
2-Chlorotoluene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
4-Chlorotoluene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,2-Dibromo-3-Chloropropane	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,2-Dibromoethane (EDB)	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Dibromochloromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Dibromomethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,2-Dichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,3-Dichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,4-Dichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Dichlorodifluoromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,1-Dichloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,2-Dichloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
cis-1,2-Dichloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
trans-1,2-Dichloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,1-Dichloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,2-Dichloropropane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,3-Dichloropropane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
2,2-Dichloropropane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
cis-1,3-Dichloropropene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
trans-1,3-Dichloropropene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,1-Dichloropropene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Ethylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Hexachlorobutadiene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
2-Hexanone	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Isopropylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1

Client Sample ID: SB-4-1
Lab Sample ID: 320-78598-7
Date Collected: 09/08/21 08:36
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 92.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Methyl tert-butyl ether	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Methylene Chloride	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Naphthalene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
N-Propylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Styrene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,1,1,2-Tetrachloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,1,2,2-Tetrachloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Tetrachloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Toluene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,2,3-Trichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,2,4-Trichlorobenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,1,1-Trichloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,1,2-Trichloroethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Trichloroethene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Trichlorofluoromethane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,2,3-Trichloropropane	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,2,4-Trimethylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
1,3,5-Trimethylbenzene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Vinyl acetate	ND		7.8		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Vinyl chloride	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
m-Xylene & p-Xylene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
o-Xylene	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1
Xylenes, Total	ND		3.9		ug/Kg	☼	09/08/21 20:25	09/10/21 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*63 - 143*	*09/08/21 20:25*	*09/10/21 15:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*32 - 156*	*09/08/21 20:25*	*09/10/21 15:55*	*1*
Toluene-d8 (Surr)	*112*		*63 - 138*	*09/08/21 20:25*	*09/10/21 15:55*	*1*
Dibromofluoromethane (Surr)	*111*		*55 - 129*	*09/08/21 20:25*	*09/10/21 15:55*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**51**		21		mg/Kg	☼	09/13/21 10:13	09/13/21 23:05	20
Motor Oil Range Organics [C28-C40]	**360**		110		mg/Kg	☼	09/13/21 10:13	09/13/21 23:05	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*0*	*S1-*	*51 - 111*	*09/13/21 10:13*	*09/13/21 23:05*	*20*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
4,4'-DDE	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
4,4'-DDT	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
Aldrin	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
alpha-BHC	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
beta-BHC	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
gamma-BHC (Lindane)	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1

Client Sample ID: SB-4-1
Date Collected: 09/08/21 08:36
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-7
Matrix: Solid
Percent Solids: 92.2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
cis-Chlordane	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
trans-Chlordane	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
Dieldrin	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
Endosulfan I	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
Endosulfan II	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
Endosulfan sulfate	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
Endrin	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
Endrin aldehyde	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
Endrin ketone	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
Heptachlor	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
Heptachlor epoxide	ND		1.8		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
Methoxychlor	ND		3.6		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1
Toxaphene	ND		70		ug/Kg	☼	09/13/21 13:55	09/16/21 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*15*	*S1-*	*47 - 107*	*09/13/21 13:55*	*09/16/21 01:24*	*1*
Tetrachloro-m-xylene	*15*	*S1-*	*47 - 107*	*09/13/21 13:55*	*09/16/21 01:24*	*1*
DCB Decachlorobiphenyl	*9*	*S1-*	*46 - 109*	*09/13/21 13:55*	*09/16/21 01:24*	*1*
DCB Decachlorobiphenyl	*11*	*S1-*	*46 - 109*	*09/13/21 13:55*	*09/16/21 01:24*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**14**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Arsenic	**2.3**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Barium	**50**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Beryllium	**0.63**		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Cadmium	ND		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Chromium	**34**		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Cobalt	**5.5**		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Copper	**11**		1.6		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Lead	**14**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Molybdenum	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Nickel	**23**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Selenium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Silver	ND		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Thallium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Vanadium	**28**		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1
Zinc	**27**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:28	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.044**		0.043		mg/Kg	☼	09/15/21 09:47	09/16/21 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.8**		0.1		%			09/09/21 10:08	1
Percent Solids	**92.2**		0.1		%			09/09/21 10:08	1

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-4-4

Date Collected: 09/08/21 08:43
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-8

Matrix: Solid
Percent Solids: 90.5

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.40		mg/Kg	☼	09/08/21 20:25	09/10/21 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 131*	*09/08/21 20:25*	*09/10/21 16:18*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Benzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Bromobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Bromochloromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Bromodichloromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Bromoform	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Bromomethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
2-Butanone (MEK)	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
n-Butylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
sec-Butylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
tert-Butylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Carbon disulfide	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Carbon tetrachloride	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Chlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Chloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Chloroform	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Chloromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
2-Chlorotoluene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
4-Chlorotoluene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,2-Dibromo-3-Chloropropane	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,2-Dibromoethane (EDB)	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Dibromochloromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Dibromomethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,2-Dichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,3-Dichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,4-Dichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Dichlorodifluoromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,1-Dichloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,2-Dichloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
trans-1,2-Dichloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,1-Dichloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,2-Dichloropropane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,3-Dichloropropane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
2,2-Dichloropropane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
cis-1,3-Dichloropropene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
trans-1,3-Dichloropropene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,1-Dichloropropene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Ethylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Hexachlorobutadiene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
2-Hexanone	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Isopropylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1

Client Sample ID: SB-4-4
Date Collected: 09/08/21 08:43
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-8
Matrix: Solid
Percent Solids: 90.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Methyl tert-butyl ether	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Methylene Chloride	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Naphthalene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
N-Propylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Styrene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,1,1,2-Tetrachloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,1,2,2-Tetrachloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Tetrachloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Toluene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,2,3-Trichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,2,4-Trichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,1,1-Trichloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,1,2-Trichloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Trichloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Trichlorofluoromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,2,3-Trichloropropane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,2,4-Trimethylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
1,3,5-Trimethylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Vinyl acetate	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Vinyl chloride	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
m-Xylene & p-Xylene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
o-Xylene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1
Xylenes, Total	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*63 - 143*	*09/08/21 20:25*	*09/13/21 16:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*32 - 156*	*09/08/21 20:25*	*09/13/21 16:18*	*1*
Toluene-d8 (Surr)	*115*		*63 - 138*	*09/08/21 20:25*	*09/13/21 16:18*	*1*
Dibromofluoromethane (Surr)	*111*		*55 - 129*	*09/08/21 20:25*	*09/13/21 16:18*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.8**		1.1		mg/Kg	☼	09/13/21 10:13	09/13/21 23:29	1
Motor Oil Range Organics [C28-C40]	**19**		5.4		mg/Kg	☼	09/13/21 10:13	09/13/21 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*63*		*51 - 111*	*09/13/21 10:13*	*09/13/21 23:29*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
4,4'-DDE	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
4,4'-DDT	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
Aldrin	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
alpha-BHC	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
beta-BHC	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
gamma-BHC (Lindane)	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-4-4

Date Collected: 09/08/21 08:43
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-8

Matrix: Solid
Percent Solids: 90.5

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
cis-Chlordane	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
trans-Chlordane	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
Dieldrin	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
Endosulfan I	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
Endosulfan II	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
Endosulfan sulfate	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
Endrin	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
Endrin aldehyde	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
Endrin ketone	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
Heptachlor	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
Heptachlor epoxide	ND		8.9		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
Methoxychlor	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5
Toxaphene	ND		350		ug/Kg	☼	09/13/21 13:55	09/16/21 01:43	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*68*		*47 - 107*	*09/13/21 13:55*	*09/16/21 01:43*	*5*
Tetrachloro-m-xylene	*70*		*47 - 107*	*09/13/21 13:55*	*09/16/21 01:43*	*5*
DCB Decachlorobiphenyl	*46*		*46 - 109*	*09/13/21 13:55*	*09/16/21 01:43*	*5*
DCB Decachlorobiphenyl	*65*		*46 - 109*	*09/13/21 13:55*	*09/16/21 01:43*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**15**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Arsenic	**2.4**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Barium	**50**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Beryllium	**0.62**		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Cadmium	ND		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Chromium	**35**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Cobalt	**4.9**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Copper	**7.6**		1.6		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Lead	**18**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Molybdenum	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Nickel	**22**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Selenium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Silver	ND		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Thallium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Vanadium	**27**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1
Zinc	**85**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:32	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.044**		0.043		mg/Kg	☼	09/15/21 09:47	09/16/21 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.1		%			09/09/21 10:08	1
Percent Solids	**90.5**		0.1		%			09/09/21 10:08	1

Client Sample ID: SB-5-1
Date Collected: 09/08/21 07:37
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-9
Matrix: Solid
Percent Solids: 91.2

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.40		mg/Kg	☼	09/08/21 20:25	09/10/21 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 131*	*09/08/21 20:25*	*09/10/21 16:40*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**28**		16		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Benzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Bromobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Bromochloromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Bromodichloromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Bromoform	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Bromomethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
2-Butanone (MEK)	**8.2**		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
n-Butylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
sec-Butylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
tert-Butylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Carbon disulfide	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Carbon tetrachloride	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Chlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Chloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Chloroform	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Chloromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
2-Chlorotoluene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
4-Chlorotoluene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,2-Dibromo-3-Chloropropane	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,2-Dibromoethane (EDB)	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Dibromochloromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Dibromomethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,2-Dichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,3-Dichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,4-Dichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Dichlorodifluoromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,1-Dichloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,2-Dichloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
trans-1,2-Dichloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,1-Dichloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,2-Dichloropropane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,3-Dichloropropane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
2,2-Dichloropropane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
cis-1,3-Dichloropropene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
trans-1,3-Dichloropropene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,1-Dichloropropene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Ethylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Hexachlorobutadiene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
2-Hexanone	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Isopropylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1

Client Sample ID: SB-5-1
Lab Sample ID: 320-78598-9
Date Collected: 09/08/21 07:37
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 91.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Methyl tert-butyl ether	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Methylene Chloride	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Naphthalene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
N-Propylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Styrene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,1,1,2-Tetrachloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,1,2,2-Tetrachloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Tetrachloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Toluene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,2,3-Trichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,2,4-Trichlorobenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,1,1-Trichloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,1,2-Trichloroethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Trichloroethene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Trichlorofluoromethane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,2,3-Trichloropropane	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,2,4-Trimethylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
1,3,5-Trimethylbenzene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Vinyl acetate	ND		8.2		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Vinyl chloride	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
m-Xylene & p-Xylene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
o-Xylene	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1
Xylenes, Total	ND		4.1		ug/Kg	☼	09/08/21 20:25	09/13/21 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*63 - 143*	*09/08/21 20:25*	*09/13/21 16:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*32 - 156*	*09/08/21 20:25*	*09/13/21 16:40*	*1*
Toluene-d8 (Surr)	*117*		*63 - 138*	*09/08/21 20:25*	*09/13/21 16:40*	*1*
Dibromofluoromethane (Surr)	*109*		*55 - 129*	*09/08/21 20:25*	*09/13/21 16:40*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3.6**		1.1		mg/Kg	☼	09/13/21 10:13	09/13/21 23:53	1
Motor Oil Range Organics [C28-C40]	**18**		5.3		mg/Kg	☼	09/13/21 10:13	09/13/21 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*64*		*51 - 111*	*09/13/21 10:13*	*09/13/21 23:53*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
4,4'-DDE	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
4,4'-DDT	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
Aldrin	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
alpha-BHC	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
beta-BHC	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
gamma-BHC (Lindane)	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20

Client Sample ID: SB-5-1
Lab Sample ID: 320-78598-9
Date Collected: 09/08/21 07:37
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 91.2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
cis-Chlordane	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
trans-Chlordane	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
Dieldrin	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
Endosulfan I	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
Endosulfan II	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
Endosulfan sulfate	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
Endrin	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
Endrin aldehyde	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
Endrin ketone	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
Heptachlor	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
Heptachlor epoxide	ND		37		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
Methoxychlor	ND		74		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20
Toxaphene	ND		1500		ug/Kg	☼	09/13/21 13:55	09/16/21 02:02	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*119*	*S1+*	*47 - 107*	*09/13/21 13:55*	*09/16/21 02:02*	*20*
Tetrachloro-m-xylene	*99*		*47 - 107*	*09/13/21 13:55*	*09/16/21 02:02*	*20*
DCB Decachlorobiphenyl	*48*		*46 - 109*	*09/13/21 13:55*	*09/16/21 02:02*	*20*
DCB Decachlorobiphenyl	*92*		*46 - 109*	*09/13/21 13:55*	*09/16/21 02:02*	*20*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**16**		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Arsenic	**2.3**		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Barium	**47**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Beryllium	**0.69**		0.22		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Cadmium	ND		0.22		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Chromium	**37**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Cobalt	**6.5**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Copper	**7.4**		1.6		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Lead	**11**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Molybdenum	ND		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Nickel	**24**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Selenium	ND		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Silver	ND		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Thallium	ND		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Vanadium	**30**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1
Zinc	**22**		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:35	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.042		mg/Kg	☼	09/15/21 09:47	09/16/21 10:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.1		%			09/09/21 10:08	1
Percent Solids	**91.2**		0.1		%			09/09/21 10:08	1

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-5-4
Date Collected: 09/08/21 07:49
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-10
Matrix: Solid
Percent Solids: 88.9

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.37		mg/Kg	☼	09/08/21 20:25	09/10/21 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 131*	*09/08/21 20:25*	*09/10/21 17:02*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		15		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Benzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Bromobenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Bromochloromethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Bromodichloromethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Bromoform	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Bromomethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
2-Butanone (MEK)	ND		7.3		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
n-Butylbenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
sec-Butylbenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
tert-Butylbenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Carbon disulfide	ND		7.3		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Carbon tetrachloride	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Chlorobenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Chloroethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Chloroform	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Chloromethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
2-Chlorotoluene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
4-Chlorotoluene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,2-Dibromo-3-Chloropropane	ND		7.3		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,2-Dibromoethane (EDB)	ND		7.3		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Dibromochloromethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Dibromomethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,2-Dichlorobenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,3-Dichlorobenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,4-Dichlorobenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Dichlorodifluoromethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,1-Dichloroethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,2-Dichloroethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
cis-1,2-Dichloroethene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
trans-1,2-Dichloroethene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,1-Dichloroethene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,2-Dichloropropane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,3-Dichloropropane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
2,2-Dichloropropane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
cis-1,3-Dichloropropene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
trans-1,3-Dichloropropene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,1-Dichloropropene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Ethylbenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Hexachlorobutadiene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
2-Hexanone	ND		7.3		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Isopropylbenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1

Client Sample ID: SB-5-4
Date Collected: 09/08/21 07:49
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-10
Matrix: Solid
Percent Solids: 88.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
4-Methyl-2-pentanone (MIBK)	ND		7.3		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Methyl tert-butyl ether	ND		7.3		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Methylene Chloride	ND		7.3		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Naphthalene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
N-Propylbenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Styrene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,1,1,2-Tetrachloroethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,1,2,2-Tetrachloroethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Tetrachloroethene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Toluene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,2,3-Trichlorobenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,2,4-Trichlorobenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,1,1-Trichloroethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,1,2-Trichloroethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.3		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Trichloroethene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Trichlorofluoromethane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,2,3-Trichloropropane	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,2,4-Trimethylbenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
1,3,5-Trimethylbenzene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Vinyl acetate	ND		7.3		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Vinyl chloride	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
m-Xylene & p-Xylene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
o-Xylene	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1
Xylenes, Total	ND		3.7		ug/Kg	☼	09/08/21 20:25	09/10/21 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*63 - 143*	*09/08/21 20:25*	*09/10/21 17:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*32 - 156*	*09/08/21 20:25*	*09/10/21 17:02*	*1*
Toluene-d8 (Surr)	*116*		*63 - 138*	*09/08/21 20:25*	*09/10/21 17:02*	*1*
Dibromofluoromethane (Surr)	*112*		*55 - 129*	*09/08/21 20:25*	*09/10/21 17:02*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.1		mg/Kg	☼	09/13/21 10:13	09/14/21 00:17	1
Motor Oil Range Organics [C28-C40]	ND		5.6		mg/Kg	☼	09/13/21 10:13	09/14/21 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*59*		*51 - 111*	*09/13/21 10:13*	*09/14/21 00:17*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
4,4'-DDE	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
4,4'-DDT	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
Aldrin	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
alpha-BHC	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
beta-BHC	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-5-4
Date Collected: 09/08/21 07:49
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-10
Matrix: Solid
Percent Solids: 88.9

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
cis-Chlordane	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
trans-Chlordane	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
Dieldrin	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
Endosulfan I	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
Endosulfan II	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
Endosulfan sulfate	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
Endrin	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
Endrin aldehyde	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
Endrin ketone	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
Heptachlor	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
Heptachlor epoxide	ND		1.9		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
Methoxychlor	ND		3.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1
Toxaphene	ND		75		ug/Kg	☼	09/13/21 13:55	09/16/21 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*58*		*47 - 107*	*09/13/21 13:55*	*09/16/21 02:21*	*1*
Tetrachloro-m-xylene	*68*		*47 - 107*	*09/13/21 13:55*	*09/16/21 02:21*	*1*
DCB Decachlorobiphenyl	*35*	*S1-*	*46 - 109*	*09/13/21 13:55*	*09/16/21 02:21*	*1*
DCB Decachlorobiphenyl	*62*		*46 - 109*	*09/13/21 13:55*	*09/16/21 02:21*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**29**		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Arsenic	**3.4**		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Barium	**42**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Beryllium	**1.0**		0.22		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Cadmium	ND		0.22		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Chromium	**58**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Cobalt	**7.5**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Copper	**13**		1.6		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Lead	**3.4**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Molybdenum	ND		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Nickel	**39**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Selenium	ND		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Silver	ND		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Thallium	ND		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Vanadium	**41**		0.54		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1
Zinc	**23**		2.2		mg/Kg	☼	09/09/21 13:26	09/10/21 14:39	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.045		mg/Kg	☼	09/15/21 09:47	09/16/21 10:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.1**		0.1		%			09/09/21 10:08	1
Percent Solids	**88.9**		0.1		%			09/09/21 10:08	1

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-6-1
Date Collected: 09/08/21 11:34
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-11
Matrix: Solid
Percent Solids: 94.1

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.45		mg/Kg	☼	09/08/21 20:25	09/10/21 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 131*	*09/08/21 20:25*	*09/10/21 12:27*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Benzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Bromobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Bromochloromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Bromodichloromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Bromoform	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Bromomethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
2-Butanone (MEK)	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
n-Butylbenzene	ND	*1	4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
sec-Butylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
tert-Butylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Carbon disulfide	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Carbon tetrachloride	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Chlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Chloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Chloroform	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Chloromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
2-Chlorotoluene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
4-Chlorotoluene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,2-Dibromo-3-Chloropropane	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,2-Dibromoethane (EDB)	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Dibromochloromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Dibromomethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,2-Dichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,3-Dichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,4-Dichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Dichlorodifluoromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,1-Dichloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,2-Dichloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
cis-1,2-Dichloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
trans-1,2-Dichloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,1-Dichloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,2-Dichloropropane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,3-Dichloropropane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
2,2-Dichloropropane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
cis-1,3-Dichloropropene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
trans-1,3-Dichloropropene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,1-Dichloropropene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Ethylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Hexachlorobutadiene	ND	*1	4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
2-Hexanone	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Isopropylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1

Client Sample ID: SB-6-1
Lab Sample ID: 320-78598-11
Date Collected: 09/08/21 11:34
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 94.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
4-Methyl-2-pentanone (MIBK)	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Methyl tert-butyl ether	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Methylene Chloride	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Naphthalene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
N-Propylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Styrene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,1,1,2-Tetrachloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,1,2,2-Tetrachloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Tetrachloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Toluene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,2,3-Trichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,2,4-Trichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,1,1-Trichloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,1,2-Trichloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*1	9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Trichloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Trichlorofluoromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,2,3-Trichloropropane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,2,4-Trimethylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
1,3,5-Trimethylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Vinyl acetate	ND		9.0		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Vinyl chloride	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
m-Xylene & p-Xylene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
o-Xylene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1
Xylenes, Total	ND	*1	4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*63 - 143*	*09/08/21 20:25*	*09/10/21 12:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*32 - 156*	*09/08/21 20:25*	*09/10/21 12:27*	*1*
Toluene-d8 (Surr)	*101*		*63 - 138*	*09/08/21 20:25*	*09/10/21 12:27*	*1*
Dibromofluoromethane (Surr)	*97*		*55 - 129*	*09/08/21 20:25*	*09/10/21 12:27*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**13**		1.0		mg/Kg	☼	09/13/21 10:13	09/14/21 00:41	1
Motor Oil Range Organics [C28-C40]	**49**		5.2		mg/Kg	☼	09/13/21 10:13	09/14/21 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*64*		*51 - 111*	*09/13/21 10:13*	*09/14/21 00:41*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
4,4'-DDE	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
4,4'-DDT	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
Aldrin	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
alpha-BHC	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
beta-BHC	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
gamma-BHC (Lindane)	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5

Client Sample ID: SB-6-1
Date Collected: 09/08/21 11:34
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-11
Matrix: Solid
Percent Solids: 94.1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
cis-Chlordane	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
trans-Chlordane	ND	F1	8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
Dieldrin	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
Endosulfan I	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
Endosulfan II	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
Endosulfan sulfate	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
Endrin	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
Endrin aldehyde	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
Endrin ketone	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
Heptachlor	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
Heptachlor epoxide	ND		8.8		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
Methoxychlor	ND		18		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5
Toxaphene	ND		350		ug/Kg	☼	09/13/21 13:55	09/16/21 02:40	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*47 - 107*	*09/13/21 13:55*	*09/16/21 02:40*	*5*
Tetrachloro-m-xylene	*70*		*47 - 107*	*09/13/21 13:55*	*09/16/21 02:40*	*5*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*09/13/21 13:55*	*09/16/21 02:40*	*5*
DCB Decachlorobiphenyl	*67*		*46 - 109*	*09/13/21 13:55*	*09/16/21 02:40*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**17**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Arsenic	**3.6**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Barium	**80**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Beryllium	**0.77**		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Cadmium	ND		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Chromium	**47**		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Cobalt	**13**		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Copper	**10**		1.6		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Lead	**9.6**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Molybdenum	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Nickel	**44**		1.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Selenium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Silver	ND		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Thallium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Vanadium	**32**		0.53		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1
Zinc	**27**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:51	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.048**		0.042		mg/Kg	☼	09/15/21 09:47	09/16/21 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.9**		0.1		%			09/09/21 10:08	1
Percent Solids	**94.1**		0.1		%			09/09/21 10:08	1

Client Sample ID: SB-7-1
Lab Sample ID: 320-78598-12
Date Collected: 09/08/21 11:39
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 94.9

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.43		mg/Kg	☼	09/08/21 20:25	09/10/21 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 131*	*09/08/21 20:25*	*09/10/21 12:48*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Benzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Bromobenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Bromochloromethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Bromodichloromethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Bromoform	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Bromomethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
2-Butanone (MEK)	ND		8.6		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
n-Butylbenzene	ND	*1	4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
sec-Butylbenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
tert-Butylbenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Carbon disulfide	ND		8.6		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Carbon tetrachloride	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Chlorobenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Chloroethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Chloroform	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Chloromethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
2-Chlorotoluene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
4-Chlorotoluene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,2-Dibromo-3-Chloropropane	ND		8.6		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,2-Dibromoethane (EDB)	ND		8.6		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Dibromochloromethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Dibromomethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,2-Dichlorobenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,3-Dichlorobenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,4-Dichlorobenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Dichlorodifluoromethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,1-Dichloroethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,2-Dichloroethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
cis-1,2-Dichloroethene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
trans-1,2-Dichloroethene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,1-Dichloroethene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,2-Dichloropropane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,3-Dichloropropane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
2,2-Dichloropropane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
cis-1,3-Dichloropropene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
trans-1,3-Dichloropropene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,1-Dichloropropene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Ethylbenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Hexachlorobutadiene	ND	*1	4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
2-Hexanone	ND		8.6		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Isopropylbenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1

Client Sample ID: SB-7-1
Lab Sample ID: 320-78598-12
Date Collected: 09/08/21 11:39
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 94.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
4-Methyl-2-pentanone (MIBK)	ND		8.6		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Methyl tert-butyl ether	ND		8.6		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Methylene Chloride	ND		8.6		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Naphthalene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
N-Propylbenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Styrene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,1,1,2-Tetrachloroethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,1,2,2-Tetrachloroethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Tetrachloroethene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Toluene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,2,3-Trichlorobenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,2,4-Trichlorobenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,1,1-Trichloroethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,1,2-Trichloroethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*1	8.6		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Trichloroethene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Trichlorofluoromethane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,2,3-Trichloropropane	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,2,4-Trimethylbenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
1,3,5-Trimethylbenzene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Vinyl acetate	ND		8.6		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Vinyl chloride	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
m-Xylene & p-Xylene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
o-Xylene	ND		4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1
Xylenes, Total	ND	*1	4.3		ug/Kg	☼	09/08/21 20:25	09/10/21 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*63 - 143*	*09/08/21 20:25*	*09/10/21 12:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*32 - 156*	*09/08/21 20:25*	*09/10/21 12:48*	*1*
Toluene-d8 (Surr)	*102*		*63 - 138*	*09/08/21 20:25*	*09/10/21 12:48*	*1*
Dibromofluoromethane (Surr)	*98*		*55 - 129*	*09/08/21 20:25*	*09/10/21 12:48*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**8.8**		1.0		mg/Kg	☼	09/13/21 10:13	09/14/21 01:05	1
Motor Oil Range Organics [C28-C40]	**35**		5.2		mg/Kg	☼	09/13/21 10:13	09/14/21 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*60*		*51 - 111*	*09/13/21 10:13*	*09/14/21 01:05*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
4,4'-DDE	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
4,4'-DDT	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
Aldrin	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
alpha-BHC	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
beta-BHC	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
gamma-BHC (Lindane)	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5

Client Sample ID: SB-7-1
Lab Sample ID: 320-78598-12
Date Collected: 09/08/21 11:39
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 94.9

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
cis-Chlordane	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
trans-Chlordane	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
Dieldrin	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
Endosulfan I	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
Endosulfan II	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
Endosulfan sulfate	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
Endrin	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
Endrin aldehyde	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
Endrin ketone	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
Heptachlor	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
Heptachlor epoxide	ND		8.7		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
Methoxychlor	ND		17		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5
Toxaphene	ND		340		ug/Kg	☼	09/13/21 13:55	09/16/21 18:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*47 - 107*	*09/13/21 13:55*	*09/16/21 18:11*	*5*
Tetrachloro-m-xylene	*71*		*47 - 107*	*09/13/21 13:55*	*09/16/21 18:11*	*5*
DCB Decachlorobiphenyl	*39*	*S1-*	*46 - 109*	*09/13/21 13:55*	*09/16/21 18:11*	*5*
DCB Decachlorobiphenyl	*74*		*46 - 109*	*09/13/21 13:55*	*09/16/21 18:11*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**23**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Arsenic	**3.2**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Barium	**65**		1.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Beryllium	**0.90**		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Cadmium	ND		0.21		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Chromium	**54**		0.52		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Cobalt	**6.7**		0.52		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Copper	**14**		1.6		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Lead	**8.9**		1.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Molybdenum	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Nickel	**41**		1.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Selenium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Silver	ND		0.52		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Thallium	ND		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Vanadium	**38**		0.52		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1
Zinc	**30**		2.1		mg/Kg	☼	09/09/21 13:26	09/10/21 14:54	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.055**		0.045		mg/Kg	☼	09/15/21 09:47	09/16/21 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.1**		0.1		%			09/09/21 10:08	1
Percent Solids	**94.9**		0.1		%			09/09/21 10:08	1

Client Sample ID: SB-8-1
Lab Sample ID: 320-78598-13
Date Collected: 09/08/21 11:44
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 94.9

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.45		mg/Kg	☼	09/08/21 20:25	09/10/21 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 131*	*09/08/21 20:25*	*09/10/21 13:10*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Benzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Bromobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Bromochloromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Bromodichloromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Bromoform	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Bromomethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
2-Butanone (MEK)	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
n-Butylbenzene	ND	*1	4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
sec-Butylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
tert-Butylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Carbon disulfide	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Carbon tetrachloride	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Chlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Chloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Chloroform	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Chloromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
2-Chlorotoluene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
4-Chlorotoluene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,2-Dibromo-3-Chloropropane	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,2-Dibromoethane (EDB)	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Dibromochloromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Dibromomethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,2-Dichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,3-Dichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,4-Dichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Dichlorodifluoromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,1-Dichloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,2-Dichloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
cis-1,2-Dichloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
trans-1,2-Dichloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,1-Dichloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,2-Dichloropropane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,3-Dichloropropane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
2,2-Dichloropropane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
cis-1,3-Dichloropropene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
trans-1,3-Dichloropropene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,1-Dichloropropene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Ethylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Hexachlorobutadiene	ND	*1	4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
2-Hexanone	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Isopropylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1

Client Sample ID: SB-8-1
Lab Sample ID: 320-78598-13
Date Collected: 09/08/21 11:44
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 94.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Methyl tert-butyl ether	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Methylene Chloride	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Naphthalene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
N-Propylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Styrene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,1,1,2-Tetrachloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,1,2,2-Tetrachloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Tetrachloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Toluene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,2,3-Trichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,2,4-Trichlorobenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,1,1-Trichloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,1,2-Trichloroethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*1	9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Trichloroethene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Trichlorofluoromethane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,2,3-Trichloropropane	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,2,4-Trimethylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
1,3,5-Trimethylbenzene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Vinyl acetate	ND		9.1		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Vinyl chloride	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
m-Xylene & p-Xylene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
o-Xylene	ND		4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1
Xylenes, Total	ND	*1	4.5		ug/Kg	☼	09/08/21 20:25	09/10/21 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*63 - 143*	*09/08/21 20:25*	*09/10/21 13:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*32 - 156*	*09/08/21 20:25*	*09/10/21 13:10*	*1*
Toluene-d8 (Surr)	*99*		*63 - 138*	*09/08/21 20:25*	*09/10/21 13:10*	*1*
Dibromofluoromethane (Surr)	*96*		*55 - 129*	*09/08/21 20:25*	*09/10/21 13:10*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**11**		1.0		mg/Kg	☼	09/13/21 10:13	09/14/21 01:29	1
Motor Oil Range Organics [C28-C40]	**41**		5.2		mg/Kg	☼	09/13/21 10:13	09/14/21 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*64*		*51 - 111*	*09/13/21 10:13*	*09/14/21 01:29*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
4,4'-DDE	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
4,4'-DDT	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
Aldrin	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
alpha-BHC	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
beta-BHC	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
gamma-BHC (Lindane)	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5

Client Sample ID: SB-8-1
Date Collected: 09/08/21 11:44
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-13
Matrix: Solid
Percent Solids: 94.9

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
cis-Chlordane	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
trans-Chlordane	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
Dieldrin	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
Endosulfan I	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
Endosulfan II	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
Endosulfan sulfate	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
Endrin	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
Endrin aldehyde	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
Endrin ketone	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
Heptachlor	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
Heptachlor epoxide	ND		8.6		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
Methoxychlor	ND		17		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5
Toxaphene	ND		340		ug/Kg	☼	09/13/21 13:55	09/16/21 18:30	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*47 - 107*	*09/13/21 13:55*	*09/16/21 18:30*	*5*
Tetrachloro-m-xylene	*77*		*47 - 107*	*09/13/21 13:55*	*09/16/21 18:30*	*5*
DCB Decachlorobiphenyl	*51*		*46 - 109*	*09/13/21 13:55*	*09/16/21 18:30*	*5*
DCB Decachlorobiphenyl	*76*		*46 - 109*	*09/13/21 13:55*	*09/16/21 18:30*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**24**		2.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Arsenic	**3.9**		2.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Barium	**57**		1.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Beryllium	**0.91**		0.20		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Cadmium	ND		0.20		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Chromium	**53**		0.51		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Cobalt	**7.2**		0.51		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Copper	**13**		1.5		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Lead	**12**		1.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Molybdenum	ND		2.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Nickel	**37**		1.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Selenium	ND		2.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Silver	ND		0.51		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Thallium	ND		2.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Vanadium	**36**		0.51		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1
Zinc	**30**		2.0		mg/Kg	☼	09/09/21 13:26	09/10/21 14:58	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.045**		0.041		mg/Kg	☼	09/15/21 09:47	09/16/21 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.1**		0.1		%			09/09/21 10:08	1
Percent Solids	**94.9**		0.1		%			09/09/21 10:08	1

Surrogate Summary

Client: Ninyo & Moore
Job ID: 320-78598-1
Project/Site: 71 Camaritas, South San Francisco

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DCA	TOL	DBFM
Lab Sample ID	Client Sample ID	(63-143)	(32-156)	(63-138)	(55-129)
320-78598-1	SB-1-1	104	104	114	109
320-78598-2	SB-1-4	104	107	118	113
320-78598-3	SB-2-1.5	107	106	115	113
320-78598-4	SB-2-4	103	101	114	111
320-78598-5	SB-3-1	105	107	112	111
320-78598-6	SB-3-4	100	106	115	113
320-78598-7	SB-4-1	103	107	112	111
320-78598-8	SB-4-4	102	106	115	111
320-78598-9	SB-5-1	110	109	117	109
320-78598-10	SB-5-4	109	107	116	112
320-78598-11	SB-6-1	103	95	101	97
320-78598-12	SB-7-1	101	96	102	98
320-78598-13	SB-8-1	100	95	99	96
LCS 320-523740/7	Lab Control Sample	109	100	116	109
LCS 320-523744/7	Lab Control Sample	99	92	101	95
LCS 320-524534/7	Lab Control Sample	107	102	120	112
LCSD 320-523740/8	Lab Control Sample Dup	108	99	113	106
LCSD 320-523744/28	Lab Control Sample Dup	101	92	105	98
LCSD 320-524534/8	Lab Control Sample Dup	109	104	119	112
MB 320-523740/10	Method Blank	112	101	116	110
MB 320-523744/10	Method Blank	103	92	101	98
MB 320-524534/10	Method Blank	111	102	114	110

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB
Lab Sample ID	Client Sample ID	(70-131)
320-78598-1	SB-1-1	113
320-78598-2	SB-1-4	108
320-78598-3	SB-2-1.5	117
320-78598-4	SB-2-4	103
320-78598-5	SB-3-1	105
320-78598-6	SB-3-4	100
320-78598-7	SB-4-1	103
320-78598-8	SB-4-4	111
320-78598-9	SB-5-1	104
320-78598-10	SB-5-4	109
320-78598-11	SB-6-1	103
320-78598-12	SB-7-1	101
320-78598-13	SB-8-1	100
LCS 320-523739/5	Lab Control Sample	110
LCS 320-523743/5	Lab Control Sample	103

Surrogate Summary

Client: Ninyo & Moore
Job ID: 320-78598-1
Project/Site: 71 Camaritas, South San Francisco

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB (70-131)
LCSD 320-523739/6	Lab Control Sample Dup	110
LCSD 320-523743/6	Lab Control Sample Dup	102
MB 320-523739/10	Method Blank	112
MB 320-523743/10	Method Blank	103

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTPH1 (51-111)
320-78598-1	SB-1-1	41 S1-
320-78598-2	SB-1-4	60
320-78598-3	SB-2-1.5	61
320-78598-4	SB-2-4	59
320-78598-5	SB-3-1	0 S1-
320-78598-6	SB-3-4	60
320-78598-7	SB-4-1	0 S1-
320-78598-8	SB-4-4	63
320-78598-9	SB-5-1	64
320-78598-10	SB-5-4	59
320-78598-11	SB-6-1	64
320-78598-12	SB-7-1	60
320-78598-13	SB-8-1	64
LCS 320-524558/2-A	Lab Control Sample	71
MB 320-524558/1-A	Method Blank	62

Surrogate Legend

OTPH = o-Terphenyl (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	TCX1 (47-107)	TCX2 (47-107)	DCBP1 (46-109)	DCBP2 (46-109)
320-78598-1	SB-1-1	73	81	40 S1-	94
320-78598-2	SB-1-4	142 S1+	107	66	95
320-78598-3	SB-2-1.5	79	76	36 S1-	66
320-78598-4	SB-2-4	154 S1+	114 S1+	40 S1-	92
320-78598-5	SB-3-1	71	86	46	61
320-78598-6	SB-3-4	13 S1-	13 S1-	10 S1-	13 S1-
320-78598-7	SB-4-1	15 S1-	15 S1-	9 S1-	11 S1-
320-78598-8	SB-4-4	68	70	46	65
320-78598-9	SB-5-1	119 S1+	99	48	92
320-78598-10	SB-5-4	58	68	35 S1-	62
320-78598-11	SB-6-1	74	70	47	67
320-78598-11 MS	SB-6-1		73		86
320-78598-11 MSD	SB-6-1		81		76

Surrogate Summary

Client: Ninyo & Moore
Job ID: 320-78598-1
Project/Site: 71 Camaritas, South San Francisco

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(47-107)	(47-107)	(46-109)	(46-109)
320-78598-12	SB-7-1	74	71	39 S1-	74
320-78598-13	SB-8-1	72	77	51	76
LCS 320-524659/2-A	Lab Control Sample	67			68
LCS 320-524659/3-A	Lab Control Sample		68		69
MB 320-524659/1-A	Method Blank	71			71

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 320-523740/10
Matrix: Solid
Analysis Batch: 523740

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20		ug/Kg			09/10/21 10:21	1
Benzene	ND		5.0		ug/Kg			09/10/21 10:21	1
Bromobenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
Bromochloromethane	ND		5.0		ug/Kg			09/10/21 10:21	1
Bromodichloromethane	ND		5.0		ug/Kg			09/10/21 10:21	1
Bromoform	ND		5.0		ug/Kg			09/10/21 10:21	1
Bromomethane	ND		5.0		ug/Kg			09/10/21 10:21	1
2-Butanone (MEK)	ND		10		ug/Kg			09/10/21 10:21	1
n-Butylbenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
sec-Butylbenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
tert-Butylbenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
Carbon disulfide	ND		10		ug/Kg			09/10/21 10:21	1
Carbon tetrachloride	ND		5.0		ug/Kg			09/10/21 10:21	1
Chlorobenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
Chloroethane	ND		5.0		ug/Kg			09/10/21 10:21	1
Chloroform	ND		5.0		ug/Kg			09/10/21 10:21	1
Chloromethane	ND		5.0		ug/Kg			09/10/21 10:21	1
2-Chlorotoluene	ND		5.0		ug/Kg			09/10/21 10:21	1
4-Chlorotoluene	ND		5.0		ug/Kg			09/10/21 10:21	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			09/10/21 10:21	1
1,2-Dibromoethane (EDB)	ND		10		ug/Kg			09/10/21 10:21	1
Dibromochloromethane	ND		5.0		ug/Kg			09/10/21 10:21	1
Dibromomethane	ND		5.0		ug/Kg			09/10/21 10:21	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			09/10/21 10:21	1
1,1-Dichloroethane	ND		5.0		ug/Kg			09/10/21 10:21	1
1,2-Dichloroethane	ND		5.0		ug/Kg			09/10/21 10:21	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			09/10/21 10:21	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			09/10/21 10:21	1
1,1-Dichloroethene	ND		5.0		ug/Kg			09/10/21 10:21	1
1,2-Dichloropropane	ND		5.0		ug/Kg			09/10/21 10:21	1
1,3-Dichloropropane	ND		5.0		ug/Kg			09/10/21 10:21	1
2,2-Dichloropropane	ND		5.0		ug/Kg			09/10/21 10:21	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			09/10/21 10:21	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			09/10/21 10:21	1
1,1-Dichloropropene	ND		5.0		ug/Kg			09/10/21 10:21	1
Ethylbenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
Hexachlorobutadiene	ND		5.0		ug/Kg			09/10/21 10:21	1
2-Hexanone	ND		10		ug/Kg			09/10/21 10:21	1
Isopropylbenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
p-Isopropyltoluene	ND		5.0		ug/Kg			09/10/21 10:21	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/Kg			09/10/21 10:21	1
Methyl tert-butyl ether	ND		10		ug/Kg			09/10/21 10:21	1
Methylene Chloride	ND		10		ug/Kg			09/10/21 10:21	1
Naphthalene	ND		5.0		ug/Kg			09/10/21 10:21	1
N-Propylbenzene	ND		5.0		ug/Kg			09/10/21 10:21	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-523740/10
Matrix: Solid
Analysis Batch: 523740

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0		ug/Kg			09/10/21 10:21	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			09/10/21 10:21	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			09/10/21 10:21	1
Tetrachloroethene	ND		5.0		ug/Kg			09/10/21 10:21	1
Toluene	ND		5.0		ug/Kg			09/10/21 10:21	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			09/10/21 10:21	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			09/10/21 10:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			09/10/21 10:21	1
Trichloroethene	ND		5.0		ug/Kg			09/10/21 10:21	1
Trichlorofluoromethane	ND		5.0		ug/Kg			09/10/21 10:21	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			09/10/21 10:21	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			09/10/21 10:21	1
Vinyl acetate	ND		10		ug/Kg			09/10/21 10:21	1
Vinyl chloride	ND		5.0		ug/Kg			09/10/21 10:21	1
m-Xylene & p-Xylene	ND		5.0		ug/Kg			09/10/21 10:21	1
o-Xylene	ND		5.0		ug/Kg			09/10/21 10:21	1
Xylenes, Total	ND		5.0		ug/Kg			09/10/21 10:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*63 - 143*		*09/10/21 10:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*32 - 156*		*09/10/21 10:21*	*1*
Toluene-d8 (Surr)	*116*		*63 - 138*		*09/10/21 10:21*	*1*
Dibromofluoromethane (Surr)	*110*		*55 - 129*		*09/10/21 10:21*	*1*

Lab Sample ID: LCS 320-523740/7
Matrix: Solid
Analysis Batch: 523740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	41.8		ug/Kg		84	64 - 128
Benzene	50.0	50.3		ug/Kg		101	78 - 128
Bromobenzene	50.0	53.5		ug/Kg		107	67 - 132
Bromochloromethane	50.0	48.2		ug/Kg		96	80 - 127
Bromodichloromethane	50.0	50.1		ug/Kg		100	80 - 137
Bromoform	50.0	47.7		ug/Kg		95	80 - 136
Bromomethane	50.0	44.7		ug/Kg		89	48 - 164
2-Butanone (MEK)	50.0	50.6		ug/Kg		101	71 - 142
n-Butylbenzene	50.0	56.8		ug/Kg		114	68 - 136
sec-Butylbenzene	50.0	57.1		ug/Kg		114	68 - 131
tert-Butylbenzene	50.0	56.4		ug/Kg		113	67 - 131
Carbon disulfide	50.0	49.5		ug/Kg		99	52 - 145
Carbon tetrachloride	50.0	49.6		ug/Kg		99	62 - 154
Chlorobenzene	50.0	52.4		ug/Kg		105	74 - 125
Chloroethane	50.0	45.1		ug/Kg		90	54 - 148
Chloroform	50.0	50.0		ug/Kg		100	78 - 135

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-523740/7
Matrix: Solid
Analysis Batch: 523740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	42.3		ug/Kg		85	60 - 141
2-Chlorotoluene	50.0	54.9		ug/Kg		110	64 - 127
4-Chlorotoluene	50.0	54.8		ug/Kg		110	67 - 128
1,2-Dibromo-3-Chloropropane	50.0	48.1		ug/Kg		96	75 - 137
1,2-Dibromoethane (EDB)	50.0	51.0		ug/Kg		102	80 - 124
Dibromochloromethane	50.0	52.5		ug/Kg		105	80 - 133
Dibromomethane	50.0	49.7		ug/Kg		99	80 - 129
1,2-Dichlorobenzene	50.0	52.3		ug/Kg		105	68 - 121
1,3-Dichlorobenzene	50.0	53.4		ug/Kg		107	64 - 126
1,4-Dichlorobenzene	50.0	53.2		ug/Kg		106	65 - 124
Dichlorodifluoromethane	50.0	35.3		ug/Kg		71	60 - 130
1,1-Dichloroethane	50.0	50.8		ug/Kg		102	76 - 134
1,2-Dichloroethane	50.0	49.1		ug/Kg		98	66 - 150
cis-1,2-Dichloroethene	50.0	49.7		ug/Kg		99	74 - 131
trans-1,2-Dichloroethene	50.0	49.6		ug/Kg		99	67 - 135
1,1-Dichloroethene	50.0	49.1		ug/Kg		98	66 - 136
1,2-Dichloropropane	50.0	51.6		ug/Kg		103	80 - 129
1,3-Dichloropropane	50.0	52.2		ug/Kg		104	80 - 123
2,2-Dichloropropane	50.0	50.1		ug/Kg		100	69 - 153
cis-1,3-Dichloropropene	50.0	51.0		ug/Kg		102	80 - 134
trans-1,3-Dichloropropene	50.0	50.6		ug/Kg		101	80 - 148
1,1-Dichloropropene	50.0	51.3		ug/Kg		103	76 - 132
Ethylbenzene	50.0	53.2		ug/Kg		106	72 - 125
Hexachlorobutadiene	50.0	55.7		ug/Kg		111	52 - 140
2-Hexanone	50.0	50.6		ug/Kg		101	78 - 143
Isopropylbenzene	50.0	52.6		ug/Kg		105	69 - 137
p-Isopropyltoluene	50.0	56.7		ug/Kg		113	64 - 137
4-Methyl-2-pentanone (MIBK)	50.0	50.8		ug/Kg		102	79 - 150
Methyl tert-butyl ether	50.0	46.5		ug/Kg		93	66 - 146
Methylene Chloride	50.0	49.4		ug/Kg		99	77 - 125
Naphthalene	50.0	50.6		ug/Kg		101	53 - 140
N-Propylbenzene	50.0	56.7		ug/Kg		113	63 - 128
Styrene	50.0	52.3		ug/Kg		105	79 - 128
1,1,1,2-Tetrachloroethane	50.0	51.0		ug/Kg		102	77 - 134
1,1,2,2-Tetrachloroethane	50.0	51.6		ug/Kg		103	71 - 134
Tetrachloroethene	50.0	53.2		ug/Kg		106	65 - 135
Toluene	50.0	53.9		ug/Kg		108	80 - 124
1,2,3-Trichlorobenzene	50.0	52.8		ug/Kg		106	54 - 140
1,2,4-Trichlorobenzene	50.0	52.7		ug/Kg		105	48 - 145
1,1,1-Trichloroethane	50.0	50.4		ug/Kg		101	67 - 150
1,1,2-Trichloroethane	50.0	51.3		ug/Kg		103	80 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.2		ug/Kg		94	62 - 138
Trichloroethene	50.0	52.0		ug/Kg		104	80 - 126
Trichlorofluoromethane	50.0	47.2		ug/Kg		94	43 - 158
1,2,3-Trichloropropane	50.0	51.1		ug/Kg		102	71 - 132
1,2,4-Trimethylbenzene	50.0	54.3		ug/Kg		109	64 - 137
1,3,5-Trimethylbenzene	50.0	55.4		ug/Kg		111	66 - 135
Vinyl acetate	50.0	47.6		ug/Kg		95	39 - 160

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-523740/7
Matrix: Solid
Analysis Batch: 523740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vinyl chloride			50.0	43.8		ug/Kg		88	67 - 127		
m-Xylene & p-Xylene			50.0	53.1		ug/Kg		106	73 - 128		
o-Xylene			50.0	52.0		ug/Kg		104	76 - 127		
Xylenes, Total			100	105		ug/Kg		105	75 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*100*		*32 - 156*
Toluene-d8 (Surr)	*116*		*63 - 138*
Dibromofluoromethane (Surr)	*109*		*55 - 129*

Lab Sample ID: LCSD 320-523740/8
Matrix: Solid
Analysis Batch: 523740

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			50.0	46.8		ug/Kg		94	64 - 128	11	36
Benzene			50.0	51.0		ug/Kg		102	78 - 128	1	37
Bromobenzene			50.0	54.2		ug/Kg		108	67 - 132	1	40
Bromochloromethane			50.0	48.7		ug/Kg		97	80 - 127	1	36
Bromodichloromethane			50.0	50.4		ug/Kg		101	80 - 137	0	37
Bromoform			50.0	47.1		ug/Kg		94	80 - 136	1	45
Bromomethane			50.0	46.0		ug/Kg		92	48 - 164	3	38
2-Butanone (MEK)			50.0	51.3		ug/Kg		103	71 - 142	1	44
n-Butylbenzene			50.0	52.5		ug/Kg		105	68 - 136	8	37
sec-Butylbenzene			50.0	54.5		ug/Kg		109	68 - 131	5	40
tert-Butylbenzene			50.0	55.5		ug/Kg		111	67 - 131	2	42
Carbon disulfide			50.0	51.0		ug/Kg		102	52 - 145	3	46
Carbon tetrachloride			50.0	50.5		ug/Kg		101	62 - 154	2	43
Chlorobenzene			50.0	52.9		ug/Kg		106	74 - 125	1	38
Chloroethane			50.0	46.6		ug/Kg		93	54 - 148	3	34
Chloroform			50.0	50.7		ug/Kg		101	78 - 135	1	23
Chloromethane			50.0	44.8		ug/Kg		90	60 - 141	6	36
2-Chlorotoluene			50.0	55.1		ug/Kg		110	64 - 127	1	41
4-Chlorotoluene			50.0	54.2		ug/Kg		108	67 - 128	1	40
1,2-Dibromo-3-Chloropropane			50.0	44.5		ug/Kg		89	75 - 137	8	48
1,2-Dibromoethane (EDB)			50.0	49.5		ug/Kg		99	80 - 124	3	39
Dibromochloromethane			50.0	51.0		ug/Kg		102	80 - 133	3	24
Dibromomethane			50.0	48.8		ug/Kg		98	80 - 129	2	37
1,2-Dichlorobenzene			50.0	52.3		ug/Kg		105	68 - 121	0	28
1,3-Dichlorobenzene			50.0	52.6		ug/Kg		105	64 - 126	1	41
1,4-Dichlorobenzene			50.0	52.2		ug/Kg		104	65 - 124	2	38
Dichlorodifluoromethane			50.0	35.2		ug/Kg		70	60 - 130	0	46
1,1-Dichloroethane			50.0	50.7		ug/Kg		101	76 - 134	0	24
1,2-Dichloroethane			50.0	48.7		ug/Kg		97	66 - 150	1	36
cis-1,2-Dichloroethene			50.0	49.9		ug/Kg		100	74 - 131	1	37
trans-1,2-Dichloroethene			50.0	51.3		ug/Kg		103	67 - 135	3	37
1,1-Dichloroethene			50.0	50.2		ug/Kg		100	66 - 136	2	42

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 320-523740/8
Matrix: Solid
Analysis Batch: 523740

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane			50.0	52.4		ug/Kg		105	80 - 129	1	38
1,3-Dichloropropane			50.0	51.2		ug/Kg		102	80 - 123	2	39
2,2-Dichloropropane			50.0	51.6		ug/Kg		103	69 - 153	3	47
cis-1,3-Dichloropropene			50.0	49.8		ug/Kg		100	80 - 134	2	39
trans-1,3-Dichloropropene			50.0	49.3		ug/Kg		99	80 - 148	3	42
1,1-Dichloropropene			50.0	51.6		ug/Kg		103	76 - 132	1	38
Ethylbenzene			50.0	53.7		ug/Kg		107	72 - 125	1	41
Hexachlorobutadiene			50.0	48.4		ug/Kg		97	52 - 140	14	38
2-Hexanone			50.0	51.0		ug/Kg		102	78 - 143	1	73
Isopropylbenzene			50.0	53.3		ug/Kg		107	69 - 137	2	41
p-Isopropyltoluene			50.0	54.5		ug/Kg		109	64 - 137	4	40
4-Methyl-2-pentanone (MIBK)			50.0	52.4		ug/Kg		105	79 - 150	3	48
Methyl tert-butyl ether			50.0	46.2		ug/Kg		92	66 - 146	1	45
Methylene Chloride			50.0	50.9		ug/Kg		102	77 - 125	3	25
Naphthalene			50.0	49.0		ug/Kg		98	53 - 140	3	46
N-Propylbenzene			50.0	56.2		ug/Kg		112	63 - 128	1	42
Styrene			50.0	52.0		ug/Kg		104	79 - 128	1	40
1,1,1,2-Tetrachloroethane			50.0	52.3		ug/Kg		105	77 - 134	3	25
1,1,2,2-Tetrachloroethane			50.0	49.7		ug/Kg		99	71 - 134	4	31
Tetrachloroethene			50.0	55.1		ug/Kg		110	65 - 135	4	39
Toluene			50.0	54.4		ug/Kg		109	80 - 124	1	39
1,2,3-Trichlorobenzene			50.0	50.6		ug/Kg		101	54 - 140	4	42
1,2,4-Trichlorobenzene			50.0	50.0		ug/Kg		100	48 - 145	5	39
1,1,1-Trichloroethane			50.0	50.7		ug/Kg		101	67 - 150	1	43
1,1,2-Trichloroethane			50.0	50.5		ug/Kg		101	80 - 128	2	41
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	49.2		ug/Kg		98	62 - 138	4	22
Trichloroethene			50.0	51.5		ug/Kg		103	80 - 126	1	40
Trichlorofluoromethane			50.0	48.2		ug/Kg		96	43 - 158	2	32
1,2,3-Trichloropropane			50.0	49.2		ug/Kg		98	71 - 132	4	41
1,2,4-Trimethylbenzene			50.0	54.3		ug/Kg		109	64 - 137	0	41
1,3,5-Trimethylbenzene			50.0	55.7		ug/Kg		111	66 - 135	1	42
Vinyl acetate			50.0	45.6		ug/Kg		91	39 - 160	4	50
Vinyl chloride			50.0	45.8		ug/Kg		92	67 - 127	5	37
m-Xylene & p-Xylene			50.0	53.4		ug/Kg		107	73 - 128	0	40
o-Xylene			50.0	53.2		ug/Kg		106	76 - 127	2	40
Xylenes, Total			100	107		ug/Kg		107	75 - 122	1	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*99*		*32 - 156*
Toluene-d8 (Surr)	*113*		*63 - 138*
Dibromofluoromethane (Surr)	*106*		*55 - 129*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-523744/10
Matrix: Solid
Analysis Batch: 523744

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20		ug/Kg			09/10/21 12:05	1
Benzene	ND		5.0		ug/Kg			09/10/21 12:05	1
Bromobenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
Bromochloromethane	ND		5.0		ug/Kg			09/10/21 12:05	1
Bromodichloromethane	ND		5.0		ug/Kg			09/10/21 12:05	1
Bromoform	ND		5.0		ug/Kg			09/10/21 12:05	1
Bromomethane	ND		5.0		ug/Kg			09/10/21 12:05	1
2-Butanone (MEK)	ND		10		ug/Kg			09/10/21 12:05	1
n-Butylbenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
sec-Butylbenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
tert-Butylbenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
Carbon disulfide	ND		10		ug/Kg			09/10/21 12:05	1
Carbon tetrachloride	ND		5.0		ug/Kg			09/10/21 12:05	1
Chlorobenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
Chloroethane	ND		5.0		ug/Kg			09/10/21 12:05	1
Chloroform	ND		5.0		ug/Kg			09/10/21 12:05	1
Chloromethane	ND		5.0		ug/Kg			09/10/21 12:05	1
2-Chlorotoluene	ND		5.0		ug/Kg			09/10/21 12:05	1
4-Chlorotoluene	ND		5.0		ug/Kg			09/10/21 12:05	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			09/10/21 12:05	1
1,2-Dibromoethane (EDB)	ND		10		ug/Kg			09/10/21 12:05	1
Dibromochloromethane	ND		5.0		ug/Kg			09/10/21 12:05	1
Dibromomethane	ND		5.0		ug/Kg			09/10/21 12:05	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			09/10/21 12:05	1
1,1-Dichloroethane	ND		5.0		ug/Kg			09/10/21 12:05	1
1,2-Dichloroethane	ND		5.0		ug/Kg			09/10/21 12:05	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			09/10/21 12:05	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			09/10/21 12:05	1
1,1-Dichloroethene	ND		5.0		ug/Kg			09/10/21 12:05	1
1,2-Dichloropropane	ND		5.0		ug/Kg			09/10/21 12:05	1
1,3-Dichloropropane	ND		5.0		ug/Kg			09/10/21 12:05	1
2,2-Dichloropropane	ND		5.0		ug/Kg			09/10/21 12:05	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			09/10/21 12:05	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			09/10/21 12:05	1
1,1-Dichloropropene	ND		5.0		ug/Kg			09/10/21 12:05	1
Ethylbenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
Hexachlorobutadiene	ND		5.0		ug/Kg			09/10/21 12:05	1
2-Hexanone	ND		10		ug/Kg			09/10/21 12:05	1
Isopropylbenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
p-Isopropyltoluene	ND		5.0		ug/Kg			09/10/21 12:05	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/Kg			09/10/21 12:05	1
Methyl tert-butyl ether	ND		10		ug/Kg			09/10/21 12:05	1
Methylene Chloride	ND		10		ug/Kg			09/10/21 12:05	1
Naphthalene	ND		5.0		ug/Kg			09/10/21 12:05	1
N-Propylbenzene	ND		5.0		ug/Kg			09/10/21 12:05	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-523744/10
Matrix: Solid
Analysis Batch: 523744

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0		ug/Kg			09/10/21 12:05	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			09/10/21 12:05	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			09/10/21 12:05	1
Tetrachloroethene	ND		5.0		ug/Kg			09/10/21 12:05	1
Toluene	ND		5.0		ug/Kg			09/10/21 12:05	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			09/10/21 12:05	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			09/10/21 12:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			09/10/21 12:05	1
Trichloroethene	ND		5.0		ug/Kg			09/10/21 12:05	1
Trichlorofluoromethane	ND		5.0		ug/Kg			09/10/21 12:05	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			09/10/21 12:05	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			09/10/21 12:05	1
Vinyl acetate	ND		10		ug/Kg			09/10/21 12:05	1
Vinyl chloride	ND		5.0		ug/Kg			09/10/21 12:05	1
m-Xylene & p-Xylene	ND		5.0		ug/Kg			09/10/21 12:05	1
o-Xylene	ND		5.0		ug/Kg			09/10/21 12:05	1
Xylenes, Total	ND		5.0		ug/Kg			09/10/21 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*63 - 143*		*09/10/21 12:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*32 - 156*		*09/10/21 12:05*	*1*
Toluene-d8 (Surr)	*101*		*63 - 138*		*09/10/21 12:05*	*1*
Dibromofluoromethane (Surr)	*98*		*55 - 129*		*09/10/21 12:05*	*1*

Lab Sample ID: LCS 320-523744/7
Matrix: Solid
Analysis Batch: 523744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	45.5		ug/Kg		91	64 - 128
Benzene	50.0	48.3		ug/Kg		97	78 - 128
Bromobenzene	50.0	45.6		ug/Kg		91	67 - 132
Bromochloromethane	50.0	46.8		ug/Kg		94	80 - 127
Bromodichloromethane	50.0	49.2		ug/Kg		98	80 - 137
Bromoform	50.0	51.6		ug/Kg		103	80 - 136
Bromomethane	50.0	47.9		ug/Kg		96	48 - 164
2-Butanone (MEK)	50.0	46.2		ug/Kg		92	71 - 142
n-Butylbenzene	50.0	43.2		ug/Kg		86	68 - 136
sec-Butylbenzene	50.0	44.3		ug/Kg		89	68 - 131
tert-Butylbenzene	50.0	45.3		ug/Kg		91	67 - 131
Carbon disulfide	50.0	48.6		ug/Kg		97	52 - 145
Carbon tetrachloride	50.0	52.4		ug/Kg		105	62 - 154
Chlorobenzene	50.0	47.0		ug/Kg		94	74 - 125
Chloroethane	50.0	46.8		ug/Kg		94	54 - 148
Chloroform	50.0	48.9		ug/Kg		98	78 - 135

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-523744/7
Matrix: Solid
Analysis Batch: 523744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	43.5		ug/Kg		87	60 - 141
2-Chlorotoluene	50.0	45.3		ug/Kg		91	64 - 127
4-Chlorotoluene	50.0	44.4		ug/Kg		89	67 - 128
1,2-Dibromo-3-Chloropropane	50.0	49.5		ug/Kg		99	75 - 137
1,2-Dibromoethane (EDB)	50.0	48.4		ug/Kg		97	80 - 124
Dibromochloromethane	50.0	51.4		ug/Kg		103	80 - 133
Dibromomethane	50.0	48.0		ug/Kg		96	80 - 129
1,2-Dichlorobenzene	50.0	44.2		ug/Kg		88	68 - 121
1,3-Dichlorobenzene	50.0	43.7		ug/Kg		87	64 - 126
1,4-Dichlorobenzene	50.0	43.2		ug/Kg		86	65 - 124
Dichlorodifluoromethane	50.0	38.9		ug/Kg		78	60 - 130
1,1-Dichloroethane	50.0	48.7		ug/Kg		97	76 - 134
1,2-Dichloroethane	50.0	47.2		ug/Kg		94	66 - 150
cis-1,2-Dichloroethene	50.0	47.9		ug/Kg		96	74 - 131
trans-1,2-Dichloroethene	50.0	49.0		ug/Kg		98	67 - 135
1,1-Dichloroethene	50.0	49.7		ug/Kg		99	66 - 136
1,2-Dichloropropane	50.0	47.3		ug/Kg		95	80 - 129
1,3-Dichloropropane	50.0	47.5		ug/Kg		95	80 - 123
2,2-Dichloropropane	50.0	52.1		ug/Kg		104	69 - 153
cis-1,3-Dichloropropene	50.0	49.5		ug/Kg		99	80 - 134
trans-1,3-Dichloropropene	50.0	49.7		ug/Kg		99	80 - 148
1,1-Dichloropropene	50.0	49.9		ug/Kg		100	76 - 132
Ethylbenzene	50.0	46.8		ug/Kg		94	72 - 125
Hexachlorobutadiene	50.0	41.8		ug/Kg		84	52 - 140
2-Hexanone	50.0	46.4		ug/Kg		93	78 - 143
Isopropylbenzene	50.0	45.7		ug/Kg		91	69 - 137
p-Isopropyltoluene	50.0	43.9		ug/Kg		88	64 - 137
4-Methyl-2-pentanone (MIBK)	50.0	47.1		ug/Kg		94	79 - 150
Methyl tert-butyl ether	50.0	45.7		ug/Kg		91	66 - 146
Methylene Chloride	50.0	48.1		ug/Kg		96	77 - 125
Naphthalene	50.0	45.4		ug/Kg		91	53 - 140
N-Propylbenzene	50.0	45.0		ug/Kg		90	63 - 128
Styrene	50.0	44.9		ug/Kg		90	79 - 128
1,1,1,2-Tetrachloroethane	50.0	49.5		ug/Kg		99	77 - 134
1,1,2,2-Tetrachloroethane	50.0	47.8		ug/Kg		96	71 - 134
Tetrachloroethene	50.0	48.3		ug/Kg		97	65 - 135
Toluene	50.0	47.8		ug/Kg		96	80 - 124
1,2,3-Trichlorobenzene	50.0	43.4		ug/Kg		87	54 - 140
1,2,4-Trichlorobenzene	50.0	43.2		ug/Kg		86	48 - 145
1,1,1-Trichloroethane	50.0	50.4		ug/Kg		101	67 - 150
1,1,2-Trichloroethane	50.0	46.3		ug/Kg		93	80 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.5		ug/Kg		95	62 - 138
Trichloroethene	50.0	49.3		ug/Kg		99	80 - 126
Trichlorofluoromethane	50.0	48.1		ug/Kg		96	43 - 158
1,2,3-Trichloropropane	50.0	45.9		ug/Kg		92	71 - 132
1,2,4-Trimethylbenzene	50.0	43.5		ug/Kg		87	64 - 137
1,3,5-Trimethylbenzene	50.0	44.5		ug/Kg		89	66 - 135
Vinyl acetate	50.0	49.6		ug/Kg		99	39 - 160

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-523744/7
Matrix: Solid
Analysis Batch: 523744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vinyl chloride			50.0	46.3		ug/Kg		93	67 - 127		
m-Xylene & p-Xylene			50.0	45.6		ug/Kg		91	73 - 128		
o-Xylene			50.0	45.8		ug/Kg		92	76 - 127		
Xylenes, Total			100	91.4		ug/Kg		91	75 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*92*		*32 - 156*
Toluene-d8 (Surr)	*101*		*63 - 138*
Dibromofluoromethane (Surr)	*95*		*55 - 129*

Lab Sample ID: LCSD 320-523744/28
Matrix: Solid
Analysis Batch: 523744

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			50.0	54.2		ug/Kg		108	64 - 128	17	36
Benzene			50.0	58.8		ug/Kg		118	78 - 128	20	37
Bromobenzene			50.0	58.6		ug/Kg		117	67 - 132	25	40
Bromochloromethane			50.0	54.5		ug/Kg		109	80 - 127	15	36
Bromodichloromethane			50.0	58.4		ug/Kg		117	80 - 137	17	37
Bromoform			50.0	61.2		ug/Kg		122	80 - 136	17	45
Bromomethane			50.0	56.1		ug/Kg		112	48 - 164	16	38
2-Butanone (MEK)			50.0	53.2		ug/Kg		106	71 - 142	14	44
n-Butylbenzene			50.0	65.0	*1	ug/Kg		130	68 - 136	40	37
sec-Butylbenzene			50.0	65.3		ug/Kg		131	68 - 131	38	40
tert-Butylbenzene			50.0	64.9		ug/Kg		130	67 - 131	36	42
Carbon disulfide			50.0	59.3		ug/Kg		119	52 - 145	20	46
Carbon tetrachloride			50.0	66.0		ug/Kg		132	62 - 154	23	43
Chlorobenzene			50.0	58.6		ug/Kg		117	74 - 125	22	38
Chloroethane			50.0	57.0		ug/Kg		114	54 - 148	20	34
Chloroform			50.0	57.6		ug/Kg		115	78 - 135	16	23
Chloromethane			50.0	51.0		ug/Kg		102	60 - 141	16	36
2-Chlorotoluene			50.0	60.5		ug/Kg		121	64 - 127	29	41
4-Chlorotoluene			50.0	59.5		ug/Kg		119	67 - 128	29	40
1,2-Dibromo-3-Chloropropane			50.0	59.2		ug/Kg		118	75 - 137	18	48
1,2-Dibromoethane (EDB)			50.0	57.0		ug/Kg		114	80 - 124	16	39
Dibromochloromethane			50.0	60.6		ug/Kg		121	80 - 133	17	24
Dibromomethane			50.0	54.5		ug/Kg		109	80 - 129	13	37
1,2-Dichlorobenzene			50.0	57.1		ug/Kg		114	68 - 121	26	28
1,3-Dichlorobenzene			50.0	58.2		ug/Kg		116	64 - 126	28	41
1,4-Dichlorobenzene			50.0	57.2		ug/Kg		114	65 - 124	28	38
Dichlorodifluoromethane			50.0	47.6		ug/Kg		95	60 - 130	20	46
1,1-Dichloroethane			50.0	58.2		ug/Kg		116	76 - 134	18	24
1,2-Dichloroethane			50.0	55.5		ug/Kg		111	66 - 150	16	36
cis-1,2-Dichloroethene			50.0	57.3		ug/Kg		115	74 - 131	18	37
trans-1,2-Dichloroethene			50.0	60.1		ug/Kg		120	67 - 135	20	37
1,1-Dichloroethene			50.0	60.8		ug/Kg		122	66 - 136	20	42

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 320-523744/28
Matrix: Solid
Analysis Batch: 523744

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane			50.0	57.9		ug/Kg		116	80 - 129	20	38
1,3-Dichloropropane			50.0	55.5		ug/Kg		111	80 - 123	16	39
2,2-Dichloropropane			50.0	63.8		ug/Kg		128	69 - 153	20	47
cis-1,3-Dichloropropene			50.0	59.7		ug/Kg		119	80 - 134	19	39
trans-1,3-Dichloropropene			50.0	59.8		ug/Kg		120	80 - 148	18	42
1,1-Dichloropropene			50.0	62.4		ug/Kg		125	76 - 132	22	38
Ethylbenzene			50.0	60.4		ug/Kg		121	72 - 125	25	41
Hexachlorobutadiene			50.0	69.2	*1	ug/Kg		138	52 - 140	49	38
2-Hexanone			50.0	53.8		ug/Kg		108	78 - 143	15	73
Isopropylbenzene			50.0	62.1		ug/Kg		124	69 - 137	30	41
p-Isopropyltoluene			50.0	64.9		ug/Kg		130	64 - 137	38	40
4-Methyl-2-pentanone (MIBK)			50.0	53.5		ug/Kg		107	79 - 150	13	48
Methyl tert-butyl ether			50.0	51.8		ug/Kg		104	66 - 146	13	45
Methylene Chloride			50.0	56.3		ug/Kg		113	77 - 125	16	25
Naphthalene			50.0	57.1		ug/Kg		114	53 - 140	23	46
N-Propylbenzene			50.0	63.0		ug/Kg		126	63 - 128	33	42
Styrene			50.0	57.5		ug/Kg		115	79 - 128	25	40
1,1,1,2-Tetrachloroethane			50.0	61.5		ug/Kg		123	77 - 134	22	25
1,1,2,2-Tetrachloroethane			50.0	55.9		ug/Kg		112	71 - 134	16	31
Tetrachloroethene			50.0	63.2		ug/Kg		126	65 - 135	27	39
Toluene			50.0	59.1		ug/Kg		118	80 - 124	21	39
1,2,3-Trichlorobenzene			50.0	59.0		ug/Kg		118	54 - 140	31	42
1,2,4-Trichlorobenzene			50.0	60.3		ug/Kg		121	48 - 145	33	39
1,1,1-Trichloroethane			50.0	62.4		ug/Kg		125	67 - 150	21	43
1,1,2-Trichloroethane			50.0	54.1		ug/Kg		108	80 - 128	16	41
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	61.4	*1	ug/Kg		123	62 - 138	25	22
Trichloroethene			50.0	61.3		ug/Kg		123	80 - 126	22	40
Trichlorofluoromethane			50.0	59.6		ug/Kg		119	43 - 158	21	32
1,2,3-Trichloropropane			50.0	54.8		ug/Kg		110	71 - 132	18	41
1,2,4-Trimethylbenzene			50.0	60.7		ug/Kg		121	64 - 137	33	41
1,3,5-Trimethylbenzene			50.0	63.0		ug/Kg		126	66 - 135	34	42
Vinyl acetate			50.0	58.0		ug/Kg		116	39 - 160	16	50
Vinyl chloride			50.0	55.7		ug/Kg		111	67 - 127	18	37
m-Xylene & p-Xylene			50.0	59.5		ug/Kg		119	73 - 128	26	40
o-Xylene			50.0	58.0		ug/Kg		116	76 - 127	24	40
Xylenes, Total			100	118	*1	ug/Kg		118	75 - 122	25	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*92*		*32 - 156*
Toluene-d8 (Surr)	*105*		*63 - 138*
Dibromofluoromethane (Surr)	*98*		*55 - 129*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-524534/10
Matrix: Solid
Analysis Batch: 524534

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20		ug/Kg			09/13/21 14:04	1
Benzene	ND		5.0		ug/Kg			09/13/21 14:04	1
Bromobenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
Bromochloromethane	ND		5.0		ug/Kg			09/13/21 14:04	1
Bromodichloromethane	ND		5.0		ug/Kg			09/13/21 14:04	1
Bromoform	ND		5.0		ug/Kg			09/13/21 14:04	1
Bromomethane	ND		5.0		ug/Kg			09/13/21 14:04	1
2-Butanone (MEK)	ND		10		ug/Kg			09/13/21 14:04	1
n-Butylbenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
sec-Butylbenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
tert-Butylbenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
Carbon disulfide	ND		10		ug/Kg			09/13/21 14:04	1
Carbon tetrachloride	ND		5.0		ug/Kg			09/13/21 14:04	1
Chlorobenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
Chloroethane	ND		5.0		ug/Kg			09/13/21 14:04	1
Chloroform	ND		5.0		ug/Kg			09/13/21 14:04	1
Chloromethane	ND		5.0		ug/Kg			09/13/21 14:04	1
2-Chlorotoluene	ND		5.0		ug/Kg			09/13/21 14:04	1
4-Chlorotoluene	ND		5.0		ug/Kg			09/13/21 14:04	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			09/13/21 14:04	1
1,2-Dibromoethane (EDB)	ND		10		ug/Kg			09/13/21 14:04	1
Dibromochloromethane	ND		5.0		ug/Kg			09/13/21 14:04	1
Dibromomethane	ND		5.0		ug/Kg			09/13/21 14:04	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			09/13/21 14:04	1
1,1-Dichloroethane	ND		5.0		ug/Kg			09/13/21 14:04	1
1,2-Dichloroethane	ND		5.0		ug/Kg			09/13/21 14:04	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			09/13/21 14:04	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			09/13/21 14:04	1
1,1-Dichloroethene	ND		5.0		ug/Kg			09/13/21 14:04	1
1,2-Dichloropropane	ND		5.0		ug/Kg			09/13/21 14:04	1
1,3-Dichloropropane	ND		5.0		ug/Kg			09/13/21 14:04	1
2,2-Dichloropropane	ND		5.0		ug/Kg			09/13/21 14:04	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			09/13/21 14:04	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			09/13/21 14:04	1
1,1-Dichloropropene	ND		5.0		ug/Kg			09/13/21 14:04	1
Ethylbenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
Hexachlorobutadiene	ND		5.0		ug/Kg			09/13/21 14:04	1
2-Hexanone	ND		10		ug/Kg			09/13/21 14:04	1
Isopropylbenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
p-Isopropyltoluene	ND		5.0		ug/Kg			09/13/21 14:04	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/Kg			09/13/21 14:04	1
Methyl tert-butyl ether	ND		10		ug/Kg			09/13/21 14:04	1
Methylene Chloride	ND		10		ug/Kg			09/13/21 14:04	1
Naphthalene	ND		5.0		ug/Kg			09/13/21 14:04	1
N-Propylbenzene	ND		5.0		ug/Kg			09/13/21 14:04	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-524534/10
Matrix: Solid
Analysis Batch: 524534

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0		ug/Kg			09/13/21 14:04	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			09/13/21 14:04	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			09/13/21 14:04	1
Tetrachloroethene	ND		5.0		ug/Kg			09/13/21 14:04	1
Toluene	ND		5.0		ug/Kg			09/13/21 14:04	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			09/13/21 14:04	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			09/13/21 14:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			09/13/21 14:04	1
Trichloroethene	ND		5.0		ug/Kg			09/13/21 14:04	1
Trichlorofluoromethane	ND		5.0		ug/Kg			09/13/21 14:04	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			09/13/21 14:04	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			09/13/21 14:04	1
Vinyl acetate	ND		10		ug/Kg			09/13/21 14:04	1
Vinyl chloride	ND		5.0		ug/Kg			09/13/21 14:04	1
m-Xylene & p-Xylene	ND		5.0		ug/Kg			09/13/21 14:04	1
o-Xylene	ND		5.0		ug/Kg			09/13/21 14:04	1
Xylenes, Total	ND		5.0		ug/Kg			09/13/21 14:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*63 - 143*		*09/13/21 14:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*32 - 156*		*09/13/21 14:04*	*1*
Toluene-d8 (Surr)	*114*		*63 - 138*		*09/13/21 14:04*	*1*
Dibromofluoromethane (Surr)	*110*		*55 - 129*		*09/13/21 14:04*	*1*

Lab Sample ID: LCS 320-524534/7
Matrix: Solid
Analysis Batch: 524534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	47.1		ug/Kg		94	64 - 128
Benzene	50.0	50.4		ug/Kg		101	78 - 128
Bromobenzene	50.0	51.7		ug/Kg		103	67 - 132
Bromochloromethane	50.0	48.3		ug/Kg		97	80 - 127
Bromodichloromethane	50.0	50.7		ug/Kg		101	80 - 137
Bromoform	50.0	47.0		ug/Kg		94	80 - 136
Bromomethane	50.0	48.6		ug/Kg		97	48 - 164
2-Butanone (MEK)	50.0	48.7		ug/Kg		97	71 - 142
n-Butylbenzene	50.0	51.8		ug/Kg		104	68 - 136
sec-Butylbenzene	50.0	53.3		ug/Kg		107	68 - 131
tert-Butylbenzene	50.0	54.0		ug/Kg		108	67 - 131
Carbon disulfide	50.0	46.5		ug/Kg		93	52 - 145
Carbon tetrachloride	50.0	49.2		ug/Kg		98	62 - 154
Chlorobenzene	50.0	51.0		ug/Kg		102	74 - 125
Chloroethane	50.0	47.3		ug/Kg		95	54 - 148
Chloroform	50.0	49.8		ug/Kg		100	78 - 135

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-524534/7
Matrix: Solid
Analysis Batch: 524534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	50.0		ug/Kg		100	60 - 141
2-Chlorotoluene	50.0	52.3		ug/Kg		105	64 - 127
4-Chlorotoluene	50.0	51.8		ug/Kg		104	67 - 128
1,2-Dibromo-3-Chloropropane	50.0	45.6		ug/Kg		91	75 - 137
1,2-Dibromoethane (EDB)	50.0	49.2		ug/Kg		98	80 - 124
Dibromochloromethane	50.0	50.2		ug/Kg		100	80 - 133
Dibromomethane	50.0	50.4		ug/Kg		101	80 - 129
1,2-Dichlorobenzene	50.0	50.3		ug/Kg		101	68 - 121
1,3-Dichlorobenzene	50.0	50.1		ug/Kg		100	64 - 126
1,4-Dichlorobenzene	50.0	50.1		ug/Kg		100	65 - 124
Dichlorodifluoromethane	50.0	47.2		ug/Kg		94	60 - 130
1,1-Dichloroethane	50.0	50.1		ug/Kg		100	76 - 134
1,2-Dichloroethane	50.0	49.2		ug/Kg		98	66 - 150
cis-1,2-Dichloroethene	50.0	49.6		ug/Kg		99	74 - 131
trans-1,2-Dichloroethene	50.0	48.9		ug/Kg		98	67 - 135
1,1-Dichloroethene	50.0	48.1		ug/Kg		96	66 - 136
1,2-Dichloropropane	50.0	52.7		ug/Kg		105	80 - 129
1,3-Dichloropropane	50.0	50.8		ug/Kg		102	80 - 123
2,2-Dichloropropane	50.0	49.4		ug/Kg		99	69 - 153
cis-1,3-Dichloropropene	50.0	50.8		ug/Kg		102	80 - 134
trans-1,3-Dichloropropene	50.0	51.0		ug/Kg		102	80 - 148
1,1-Dichloropropene	50.0	50.7		ug/Kg		101	76 - 132
Ethylbenzene	50.0	51.0		ug/Kg		102	72 - 125
Hexachlorobutadiene	50.0	51.6		ug/Kg		103	52 - 140
2-Hexanone	50.0	50.7		ug/Kg		101	78 - 143
Isopropylbenzene	50.0	50.3		ug/Kg		101	69 - 137
p-Isopropyltoluene	50.0	53.0		ug/Kg		106	64 - 137
4-Methyl-2-pentanone (MIBK)	50.0	51.3		ug/Kg		103	79 - 150
Methyl tert-butyl ether	50.0	46.8		ug/Kg		94	66 - 146
Methylene Chloride	50.0	48.4		ug/Kg		97	77 - 125
Naphthalene	50.0	48.4		ug/Kg		97	53 - 140
N-Propylbenzene	50.0	53.3		ug/Kg		107	63 - 128
Styrene	50.0	49.5		ug/Kg		99	79 - 128
1,1,1,2-Tetrachloroethane	50.0	49.8		ug/Kg		100	77 - 134
1,1,2,2-Tetrachloroethane	50.0	49.5		ug/Kg		99	71 - 134
Tetrachloroethene	50.0	51.3		ug/Kg		103	65 - 135
Toluene	50.0	51.5		ug/Kg		103	80 - 124
1,2,3-Trichlorobenzene	50.0	50.1		ug/Kg		100	54 - 140
1,2,4-Trichlorobenzene	50.0	49.4		ug/Kg		99	48 - 145
1,1,1-Trichloroethane	50.0	49.6		ug/Kg		99	67 - 150
1,1,2-Trichloroethane	50.0	50.5		ug/Kg		101	80 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.4		ug/Kg		95	62 - 138
Trichloroethene	50.0	51.1		ug/Kg		102	80 - 126
Trichlorofluoromethane	50.0	50.1		ug/Kg		100	43 - 158
1,2,3-Trichloropropane	50.0	49.4		ug/Kg		99	71 - 132
1,2,4-Trimethylbenzene	50.0	51.7		ug/Kg		103	64 - 137
1,3,5-Trimethylbenzene	50.0	52.8		ug/Kg		106	66 - 135
Vinyl acetate	50.0	48.0		ug/Kg		96	39 - 160

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-524534/7
Matrix: Solid
Analysis Batch: 524534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vinyl chloride			50.0	49.3		ug/Kg		99	67 - 127		
m-Xylene & p-Xylene			50.0	50.4		ug/Kg		101	73 - 128		
o-Xylene			50.0	50.0		ug/Kg		100	76 - 127		
Xylenes, Total			100	100		ug/Kg		100	75 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*102*		*32 - 156*
Toluene-d8 (Surr)	*120*		*63 - 138*
Dibromofluoromethane (Surr)	*112*		*55 - 129*

Lab Sample ID: LCSD 320-524534/8
Matrix: Solid
Analysis Batch: 524534

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			50.0	36.3		ug/Kg		73	64 - 128	26	36
Benzene			50.0	48.8		ug/Kg		98	78 - 128	3	37
Bromobenzene			50.0	50.5		ug/Kg		101	67 - 132	2	40
Bromochloromethane			50.0	43.9		ug/Kg		88	80 - 127	9	36
Bromodichloromethane			50.0	46.3		ug/Kg		93	80 - 137	9	37
Bromoform			50.0	44.8		ug/Kg		90	80 - 136	5	45
Bromomethane			50.0	46.2		ug/Kg		92	48 - 164	5	38
2-Butanone (MEK)			50.0	40.8		ug/Kg		82	71 - 142	18	44
n-Butylbenzene			50.0	52.2		ug/Kg		104	68 - 136	1	37
sec-Butylbenzene			50.0	56.1		ug/Kg		112	68 - 131	5	40
tert-Butylbenzene			50.0	56.4		ug/Kg		113	67 - 131	4	42
Carbon disulfide			50.0	50.4		ug/Kg		101	52 - 145	8	46
Carbon tetrachloride			50.0	51.7		ug/Kg		103	62 - 154	5	43
Chlorobenzene			50.0	49.2		ug/Kg		98	74 - 125	4	38
Chloroethane			50.0	48.9		ug/Kg		98	54 - 148	3	34
Chloroform			50.0	47.2		ug/Kg		94	78 - 135	5	23
Chloromethane			50.0	49.4		ug/Kg		99	60 - 141	1	36
2-Chlorotoluene			50.0	51.7		ug/Kg		103	64 - 127	1	41
4-Chlorotoluene			50.0	50.7		ug/Kg		101	67 - 128	2	40
1,2-Dibromo-3-Chloropropane			50.0	44.8		ug/Kg		90	75 - 137	2	48
1,2-Dibromoethane (EDB)			50.0	47.8		ug/Kg		96	80 - 124	3	39
Dibromochloromethane			50.0	47.8		ug/Kg		96	80 - 133	5	24
Dibromomethane			50.0	44.9		ug/Kg		90	80 - 129	12	37
1,2-Dichlorobenzene			50.0	46.9		ug/Kg		94	68 - 121	7	28
1,3-Dichlorobenzene			50.0	47.6		ug/Kg		95	64 - 126	5	41
1,4-Dichlorobenzene			50.0	47.5		ug/Kg		95	65 - 124	5	38
Dichlorodifluoromethane			50.0	51.9		ug/Kg		104	60 - 130	9	46
1,1-Dichloroethane			50.0	48.3		ug/Kg		97	76 - 134	4	24
1,2-Dichloroethane			50.0	44.9		ug/Kg		90	66 - 150	9	36
cis-1,2-Dichloroethene			50.0	46.7		ug/Kg		93	74 - 131	6	37
trans-1,2-Dichloroethene			50.0	49.2		ug/Kg		98	67 - 135	1	37
1,1-Dichloroethene			50.0	51.3		ug/Kg		103	66 - 136	6	42

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 320-524534/8
Matrix: Solid
Analysis Batch: 524534

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane			50.0	48.3		ug/Kg		97	80 - 129	9	38
1,3-Dichloropropane			50.0	48.3		ug/Kg		97	80 - 123	5	39
2,2-Dichloropropane			50.0	50.1		ug/Kg		100	69 - 153	1	47
cis-1,3-Dichloropropene			50.0	46.9		ug/Kg		94	80 - 134	8	39
trans-1,3-Dichloropropene			50.0	46.8		ug/Kg		94	80 - 148	9	42
1,1-Dichloropropene			50.0	53.3		ug/Kg		107	76 - 132	5	38
Ethylbenzene			50.0	51.4		ug/Kg		103	72 - 125	1	41
Hexachlorobutadiene			50.0	51.4		ug/Kg		103	52 - 140	0	38
2-Hexanone			50.0	42.2		ug/Kg		84	78 - 143	18	73
Isopropylbenzene			50.0	51.1		ug/Kg		102	69 - 137	1	41
p-Isopropyltoluene			50.0	54.0		ug/Kg		108	64 - 137	2	40
4-Methyl-2-pentanone (MIBK)			50.0	41.3		ug/Kg		83	79 - 150	22	48
Methyl tert-butyl ether			50.0	41.4		ug/Kg		83	66 - 146	12	45
Methylene Chloride			50.0	44.2		ug/Kg		88	77 - 125	9	25
Naphthalene			50.0	45.0		ug/Kg		90	53 - 140	7	46
N-Propylbenzene			50.0	55.4		ug/Kg		111	63 - 128	4	42
Styrene			50.0	47.6		ug/Kg		95	79 - 128	4	40
1,1,1,2-Tetrachloroethane			50.0	47.2		ug/Kg		94	77 - 134	5	25
1,1,2,2-Tetrachloroethane			50.0	48.9		ug/Kg		98	71 - 134	1	31
Tetrachloroethene			50.0	54.6		ug/Kg		109	65 - 135	6	39
Toluene			50.0	52.3		ug/Kg		105	80 - 124	1	39
1,2,3-Trichlorobenzene			50.0	44.4		ug/Kg		89	54 - 140	12	42
1,2,4-Trichlorobenzene			50.0	43.4		ug/Kg		87	48 - 145	13	39
1,1,1-Trichloroethane			50.0	51.3		ug/Kg		103	67 - 150	3	43
1,1,2-Trichloroethane			50.0	47.9		ug/Kg		96	80 - 128	5	41
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	51.1		ug/Kg		102	62 - 138	8	22
Trichloroethene			50.0	51.3		ug/Kg		103	80 - 126	0	40
Trichlorofluoromethane			50.0	52.9		ug/Kg		106	43 - 158	5	32
1,2,3-Trichloropropane			50.0	49.0		ug/Kg		98	71 - 132	1	41
1,2,4-Trimethylbenzene			50.0	50.6		ug/Kg		101	64 - 137	2	41
1,3,5-Trimethylbenzene			50.0	53.5		ug/Kg		107	66 - 135	1	42
Vinyl acetate			50.0	45.5		ug/Kg		91	39 - 160	6	50
Vinyl chloride			50.0	51.9		ug/Kg		104	67 - 127	5	37
m-Xylene & p-Xylene			50.0	50.0		ug/Kg		100	73 - 128	1	40
o-Xylene			50.0	48.6		ug/Kg		97	76 - 127	3	40
Xylenes, Total			100	98.6		ug/Kg		99	75 - 122	2	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*104*		*32 - 156*
Toluene-d8 (Surr)	*119*		*63 - 138*
Dibromofluoromethane (Surr)	*112*		*55 - 129*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 320-523739/10
Matrix: Solid
Analysis Batch: 523739

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.50		mg/Kg			09/10/21 10:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 131*		*09/10/21 10:21*	*1*

Lab Sample ID: LCS 320-523739/5
Matrix: Solid
Analysis Batch: 523739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C4-C12	1.00	1.03		mg/Kg		103	79 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 131*

Lab Sample ID: LCSD 320-523739/6
Matrix: Solid
Analysis Batch: 523739

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C4-C12	1.00	0.979		mg/Kg		98	79 - 123	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 131*

Lab Sample ID: MB 320-523743/10
Matrix: Solid
Analysis Batch: 523743

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.50		mg/Kg			09/10/21 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 131*		*09/10/21 12:05*	*1*

Lab Sample ID: LCS 320-523743/5
Matrix: Solid
Analysis Batch: 523743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C4-C12	1.00	1.01		mg/Kg		101	79 - 123

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 320-523743/5
Matrix: Solid
Analysis Batch: 523743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 131*

Lab Sample ID: LCSD 320-523743/6
Matrix: Solid
Analysis Batch: 523743

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C4-C12			1.00	1.01		mg/Kg		101	79 - 123	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 131*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 320-524558/1-A
Matrix: Solid
Analysis Batch: 524654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524558

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		09/13/21 10:13	09/13/21 17:30	1
Motor Oil Range Organics [C28-C40]	ND		5.0		mg/Kg		09/13/21 10:13	09/13/21 17:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*62*		*51 - 111*	*09/13/21 10:13*	*09/13/21 17:30*	*1*

Lab Sample ID: LCS 320-524558/2-A
Matrix: Solid
Analysis Batch: 524654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524558

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]			10.0	9.20		mg/Kg		92	57 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*71*		*51 - 111*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 320-524659/1-A
Matrix: Solid
Analysis Batch: 524920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524659

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
4,4'-DDE	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
4,4'-DDT	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
Aldrin	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
alpha-BHC	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-524659/1-A
Matrix: Solid
Analysis Batch: 524920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524659

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
gamma-BHC (Lindane)	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
delta-BHC	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
cis-Chlordane	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
trans-Chlordane	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
Dieldrin	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
Endosulfan I	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
Endosulfan II	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
Endosulfan sulfate	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
Endrin	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
Endrin aldehyde	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
Endrin ketone	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
Heptachlor	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
Heptachlor epoxide	ND		1.7		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
Methoxychlor	ND		3.4		ug/Kg		09/13/21 13:55	09/15/21 01:34	1
Toxaphene	ND		67		ug/Kg		09/13/21 13:55	09/15/21 01:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*71*		*47 - 107*	*09/13/21 13:55*	*09/15/21 01:34*	*1*
DCB Decachlorobiphenyl	*71*		*46 - 109*	*09/13/21 13:55*	*09/15/21 01:34*	*1*

Lab Sample ID: LCS 320-524659/2-A
Matrix: Solid
Analysis Batch: 524920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524659

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	13.7		ug/Kg		82	53 - 117
4,4'-DDE	16.7	12.9		ug/Kg		77	58 - 115
4,4'-DDT	16.7	13.1		ug/Kg		79	53 - 128
Aldrin	16.7	13.2		ug/Kg		79	55 - 109
alpha-BHC	16.7	12.8		ug/Kg		77	54 - 111
beta-BHC	16.7	13.3		ug/Kg		80	53 - 115
gamma-BHC (Lindane)	16.7	12.9		ug/Kg		78	54 - 112
delta-BHC	16.7	12.4		ug/Kg		74	39 - 124
cis-Chlordane	16.7	12.7		ug/Kg		76	54 - 113
trans-Chlordane	16.7	12.5		ug/Kg		75	55 - 114
Dieldrin	16.7	13.5		ug/Kg		81	54 - 117
Endosulfan I	16.7	9.70		ug/Kg		58	42 - 118
Endosulfan II	16.7	11.8		ug/Kg		71	48 - 118
Endosulfan sulfate	16.7	13.8		ug/Kg		83	51 - 113
Endrin	16.7	13.2		ug/Kg		79	58 - 115
Endrin aldehyde	16.7	12.7		ug/Kg		76	40 - 100
Endrin ketone	16.7	11.2		ug/Kg		67	51 - 118
Heptachlor	16.7	12.8		ug/Kg		77	50 - 118
Heptachlor epoxide	16.7	12.6		ug/Kg		75	56 - 113
Methoxychlor	16.7	13.4		ug/Kg		80	52 - 123

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-524659/2-A
Matrix: Solid
Analysis Batch: 524920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524659

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	*67*		*47 - 107*
DCB Decachlorobiphenyl	*68*		*46 - 109*

Lab Sample ID: LCS 320-524659/3-A
Matrix: Solid
Analysis Batch: 525181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524659

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Toxaphene			167	114		ug/Kg		68	43 - 123		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	*68*		*47 - 107*
DCB Decachlorobiphenyl	*69*		*46 - 109*

Lab Sample ID: 320-78598-11 MS
Matrix: Solid
Analysis Batch: 525181

Client Sample ID: SB-6-1
Prep Type: Total/NA
Prep Batch: 524659

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD	ND		17.4	15.0		ug/Kg	☼	86	53 - 117		
4,4'-DDE	ND		17.4	12.8		ug/Kg	☼	74	58 - 115		
4,4'-DDT	ND		17.4	12.7		ug/Kg	☼	73	53 - 128		
Aldrin	ND		17.4	12.2		ug/Kg	☼	70	55 - 109		
alpha-BHC	ND		17.4	12.6		ug/Kg	☼	73	54 - 111		
beta-BHC	ND		17.4	13.2		ug/Kg	☼	76	53 - 115		
gamma-BHC (Lindane)	ND		17.4	12.9		ug/Kg	☼	75	54 - 112		
delta-BHC	ND		17.4	9.80		ug/Kg	☼	56	39 - 124		
cis-Chlordane	ND		17.4	12.6		ug/Kg	☼	72	54 - 113		
trans-Chlordane	ND	F1	17.4	ND	F1	ug/Kg	☼	0	55 - 114		
Dieldrin	ND		17.4	12.5		ug/Kg	☼	72	54 - 117		
Endosulfan I	ND		17.4	9.74		ug/Kg	☼	56	42 - 118		
Endosulfan II	ND		17.4	11.3		ug/Kg	☼	65	48 - 118		
Endosulfan sulfate	ND		17.4	12.2		ug/Kg	☼	70	51 - 113		
Endrin	ND		17.4	13.1		ug/Kg	☼	75	58 - 115		
Endrin aldehyde	ND		17.4	11.1		ug/Kg	☼	64	40 - 100		
Endrin ketone	ND		17.4	11.4		ug/Kg	☼	66	51 - 118		
Heptachlor	ND		17.4	11.4		ug/Kg	☼	66	50 - 118		
Heptachlor epoxide	ND		17.4	15.9		ug/Kg	☼	92	56 - 113		
Methoxychlor	ND		17.4	ND		ug/Kg	☼	66	52 - 123		

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	*73*		*47 - 107*
DCB Decachlorobiphenyl	*86*		*46 - 109*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-78598-11 MSD
Matrix: Solid
Analysis Batch: 525181

Client Sample ID: SB-6-1
Prep Type: Total/NA
Prep Batch: 524659

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		17.1	16.1		ug/Kg	☼	94	53 - 117	7	30
4,4'-DDE	ND		17.1	13.2		ug/Kg	☼	77	58 - 115	2	30
4,4'-DDT	ND		17.1	12.3		ug/Kg	☼	72	53 - 128	4	30
Aldrin	ND		17.1	13.1		ug/Kg	☼	76	55 - 109	7	30
alpha-BHC	ND		17.1	13.2		ug/Kg	☼	77	54 - 111	5	30
beta-BHC	ND		17.1	14.7		ug/Kg	☼	86	53 - 115	11	30
gamma-BHC (Lindane)	ND		17.1	14.1		ug/Kg	☼	82	54 - 112	8	30
delta-BHC	ND		17.1	10.6		ug/Kg	☼	62	39 - 124	8	30
cis-Chlordane	ND		17.1	12.9		ug/Kg	☼	75	54 - 113	3	30
trans-Chlordane	ND	F1	17.1	ND	F1	ug/Kg	☼	0	55 - 114	NC	30
Dieldrin	ND		17.1	12.9		ug/Kg	☼	75	54 - 117	3	30
Endosulfan I	ND		17.1	10.2		ug/Kg	☼	60	42 - 118	5	30
Endosulfan II	ND		17.1	11.1		ug/Kg	☼	65	48 - 118	2	30
Endosulfan sulfate	ND		17.1	11.8		ug/Kg	☼	69	51 - 113	4	30
Endrin	ND		17.1	13.1		ug/Kg	☼	76	58 - 115	0	30
Endrin aldehyde	ND		17.1	10.8		ug/Kg	☼	63	40 - 100	3	30
Endrin ketone	ND		17.1	11.4		ug/Kg	☼	67	51 - 118	0	30
Heptachlor	ND		17.1	13.3		ug/Kg	☼	78	50 - 118	15	30
Heptachlor epoxide	ND		17.1	13.4		ug/Kg	☼	78	56 - 113	17	30
Methoxychlor	ND		17.1	ND		ug/Kg	☼	66	52 - 123	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*81*		*47 - 107*
DCB Decachlorobiphenyl	*76*		*46 - 109*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-523521/1-A
Matrix: Solid
Analysis Batch: 524130

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 523521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Arsenic	ND		2.0		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Barium	ND		1.0		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Beryllium	ND		0.20		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Cadmium	ND		0.20		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Chromium	ND		0.50		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Cobalt	ND		0.50		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Copper	ND		1.5		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Lead	ND		1.0		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Molybdenum	ND		2.0		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Nickel	ND		1.0		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Selenium	ND		2.0		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Silver	ND		0.50		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Thallium	ND		2.0		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Vanadium	ND		0.50		mg/Kg		09/09/21 13:26	09/10/21 13:05	1
Zinc	ND		2.0		mg/Kg		09/09/21 13:26	09/10/21 13:05	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 320-523521/2-A
Matrix: Solid
Analysis Batch: 524130

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 523521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	42.3		mg/Kg		85	80 - 120
Arsenic	50.0	44.1		mg/Kg		88	80 - 120
Barium	50.0	46.5		mg/Kg		93	80 - 120
Beryllium	25.0	23.7		mg/Kg		95	80 - 120
Cadmium	25.0	22.9		mg/Kg		92	80 - 120
Chromium	25.0	23.1		mg/Kg		92	80 - 120
Cobalt	25.0	23.4		mg/Kg		94	80 - 120
Copper	25.0	23.0		mg/Kg		92	80 - 120
Lead	25.0	22.9		mg/Kg		91	80 - 120
Molybdenum	25.0	22.7		mg/Kg		91	80 - 120
Nickel	25.0	22.8		mg/Kg		91	80 - 120
Selenium	50.0	43.9		mg/Kg		88	80 - 120
Silver	5.05	4.59		mg/Kg		91	80 - 120
Thallium	50.0	45.7		mg/Kg		91	80 - 120
Vanadium	25.0	22.5		mg/Kg		90	80 - 120
Zinc	49.9	48.5		mg/Kg		97	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 320-525158/11-A
Matrix: Solid
Analysis Batch: 525634

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 525158

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040		mg/Kg		09/15/21 09:47	09/16/21 09:28	1

Lab Sample ID: LCS 320-525158/12-A
Matrix: Solid
Analysis Batch: 525634

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 525158

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.168		mg/Kg		101	86 - 114

Lab Sample ID: LCSD 320-525158/13-A
Matrix: Solid
Analysis Batch: 525634

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 525158

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.167	0.162		mg/Kg		97	86 - 114	4	17

Lab Sample ID: 320-78598-1 MS
Matrix: Solid
Analysis Batch: 525634

Client Sample ID: SB-1-1
Prep Type: Total/NA
Prep Batch: 525158

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.177	0.198		mg/Kg	☼	102	86 - 114

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 320-78598-1 MSD
Matrix: Solid
Analysis Batch: 525634

Client Sample ID: SB-1-1
Prep Type: Total/NA
Prep Batch: 525158

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.186	0.210		mg/Kg	☼	104	86 - 114	6	17

Method: D 2216 - Percent Moisture

Lab Sample ID: 320-78598-1 DU
Matrix: Solid
Analysis Batch: 523457

Client Sample ID: SB-1-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	8.7			8.2		%				6	20
Percent Solids	91.3			91.8		%				0.6	20

GC/MS VOA

Prep Batch: 523482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-1	SB-1-1	Total/NA	Solid	5035	
320-78598-1	SB-1-1	Total/NA	Solid	5035	
320-78598-2	SB-1-4	Total/NA	Solid	5035	
320-78598-2	SB-1-4	Total/NA	Solid	5035	
320-78598-3	SB-2-1.5	Total/NA	Solid	5035	
320-78598-3	SB-2-1.5	Total/NA	Solid	5035	
320-78598-4	SB-2-4	Total/NA	Solid	5035	
320-78598-5	SB-3-1	Total/NA	Solid	5035	
320-78598-6	SB-3-4	Total/NA	Solid	5035	
320-78598-7	SB-4-1	Total/NA	Solid	5035	
320-78598-8	SB-4-4	Total/NA	Solid	5035	
320-78598-8	SB-4-4	Total/NA	Solid	5035	
320-78598-9	SB-5-1	Total/NA	Solid	5035	
320-78598-9	SB-5-1	Total/NA	Solid	5035	
320-78598-10	SB-5-4	Total/NA	Solid	5035	
320-78598-11	SB-6-1	Total/NA	Solid	5035	
320-78598-12	SB-7-1	Total/NA	Solid	5035	
320-78598-13	SB-8-1	Total/NA	Solid	5035	

Analysis Batch: 523739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-1	SB-1-1	Total/NA	Solid	8260B/CA_LUFT MS	523482
320-78598-2	SB-1-4	Total/NA	Solid	8260B/CA_LUFT MS	523482
320-78598-3	SB-2-1.5	Total/NA	Solid	8260B/CA_LUFT MS	523482
320-78598-4	SB-2-4	Total/NA	Solid	8260B/CA_LUFT MS	523482
320-78598-5	SB-3-1	Total/NA	Solid	8260B/CA_LUFT MS	523482
320-78598-6	SB-3-4	Total/NA	Solid	8260B/CA_LUFT MS	523482
320-78598-7	SB-4-1	Total/NA	Solid	8260B/CA_LUFT MS	523482
320-78598-8	SB-4-4	Total/NA	Solid	8260B/CA_LUFT MS	523482
320-78598-9	SB-5-1	Total/NA	Solid	8260B/CA_LUFT MS	523482
320-78598-10	SB-5-4	Total/NA	Solid	8260B/CA_LUFT MS	523482
MB 320-523739/10	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 320-523739/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 320-523739/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

Analysis Batch: 523740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-4	SB-2-4	Total/NA	Solid	8260B	523482
320-78598-5	SB-3-1	Total/NA	Solid	8260B	523482
320-78598-6	SB-3-4	Total/NA	Solid	8260B	523482
320-78598-7	SB-4-1	Total/NA	Solid	8260B	523482

GC/MS VOA (Continued)

Analysis Batch: 523740 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-10	SB-5-4	Total/NA	Solid	8260B	523482
MB 320-523740/10	Method Blank	Total/NA	Solid	8260B	
LCS 320-523740/7	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 320-523740/8	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 523743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-11	SB-6-1	Total/NA	Solid	8260B/CA_LUFT MS	523482
320-78598-12	SB-7-1	Total/NA	Solid	8260B/CA_LUFT MS	523482
320-78598-13	SB-8-1	Total/NA	Solid	8260B/CA_LUFT MS	523482
MB 320-523743/10	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 320-523743/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 320-523743/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

Analysis Batch: 523744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-11	SB-6-1	Total/NA	Solid	8260B	523482
320-78598-12	SB-7-1	Total/NA	Solid	8260B	523482
320-78598-13	SB-8-1	Total/NA	Solid	8260B	523482
MB 320-523744/10	Method Blank	Total/NA	Solid	8260B	
LCS 320-523744/7	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 320-523744/28	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 524534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-1	SB-1-1	Total/NA	Solid	8260B	523482
320-78598-2	SB-1-4	Total/NA	Solid	8260B	523482
320-78598-3	SB-2-1.5	Total/NA	Solid	8260B	523482
320-78598-8	SB-4-4	Total/NA	Solid	8260B	523482
320-78598-9	SB-5-1	Total/NA	Solid	8260B	523482
MB 320-524534/10	Method Blank	Total/NA	Solid	8260B	
LCS 320-524534/7	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 320-524534/8	Lab Control Sample Dup	Total/NA	Solid	8260B	

GC Semi VOA

Prep Batch: 524558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-1	SB-1-1	Total/NA	Solid	3550B	
320-78598-2	SB-1-4	Total/NA	Solid	3550B	
320-78598-3	SB-2-1.5	Total/NA	Solid	3550B	
320-78598-4	SB-2-4	Total/NA	Solid	3550B	
320-78598-5	SB-3-1	Total/NA	Solid	3550B	
320-78598-6	SB-3-4	Total/NA	Solid	3550B	
320-78598-7	SB-4-1	Total/NA	Solid	3550B	
320-78598-8	SB-4-4	Total/NA	Solid	3550B	
320-78598-9	SB-5-1	Total/NA	Solid	3550B	

GC Semi VOA (Continued)

Prep Batch: 524558 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-10	SB-5-4	Total/NA	Solid	3550B	
320-78598-11	SB-6-1	Total/NA	Solid	3550B	
320-78598-12	SB-7-1	Total/NA	Solid	3550B	
320-78598-13	SB-8-1	Total/NA	Solid	3550B	
MB 320-524558/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 320-524558/2-A	Lab Control Sample	Total/NA	Solid	3550B	

Analysis Batch: 524654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-1	SB-1-1	Total/NA	Solid	8015B	524558
320-78598-2	SB-1-4	Total/NA	Solid	8015B	524558
320-78598-3	SB-2-1.5	Total/NA	Solid	8015B	524558
320-78598-4	SB-2-4	Total/NA	Solid	8015B	524558
320-78598-5	SB-3-1	Total/NA	Solid	8015B	524558
320-78598-6	SB-3-4	Total/NA	Solid	8015B	524558
320-78598-7	SB-4-1	Total/NA	Solid	8015B	524558
320-78598-8	SB-4-4	Total/NA	Solid	8015B	524558
320-78598-9	SB-5-1	Total/NA	Solid	8015B	524558
320-78598-10	SB-5-4	Total/NA	Solid	8015B	524558
320-78598-11	SB-6-1	Total/NA	Solid	8015B	524558
320-78598-12	SB-7-1	Total/NA	Solid	8015B	524558
320-78598-13	SB-8-1	Total/NA	Solid	8015B	524558
MB 320-524558/1-A	Method Blank	Total/NA	Solid	8015B	524558
LCS 320-524558/2-A	Lab Control Sample	Total/NA	Solid	8015B	524558

Prep Batch: 524659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-1	SB-1-1	Total/NA	Solid	3546	
320-78598-2	SB-1-4	Total/NA	Solid	3546	
320-78598-3	SB-2-1.5	Total/NA	Solid	3546	
320-78598-4	SB-2-4	Total/NA	Solid	3546	
320-78598-5	SB-3-1	Total/NA	Solid	3546	
320-78598-6	SB-3-4	Total/NA	Solid	3546	
320-78598-7	SB-4-1	Total/NA	Solid	3546	
320-78598-8	SB-4-4	Total/NA	Solid	3546	
320-78598-9	SB-5-1	Total/NA	Solid	3546	
320-78598-10	SB-5-4	Total/NA	Solid	3546	
320-78598-11	SB-6-1	Total/NA	Solid	3546	
320-78598-12	SB-7-1	Total/NA	Solid	3546	
320-78598-13	SB-8-1	Total/NA	Solid	3546	
MB 320-524659/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-524659/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 320-524659/3-A	Lab Control Sample	Total/NA	Solid	3546	
320-78598-11 MS	SB-6-1	Total/NA	Solid	3546	
320-78598-11 MSD	SB-6-1	Total/NA	Solid	3546	

Analysis Batch: 524920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-524659/1-A	Method Blank	Total/NA	Solid	8081A	524659
LCS 320-524659/2-A	Lab Control Sample	Total/NA	Solid	8081A	524659

GC Semi VOA

Analysis Batch: 525181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-1	SB-1-1	Total/NA	Solid	8081A	524659
320-78598-2	SB-1-4	Total/NA	Solid	8081A	524659
320-78598-3	SB-2-1.5	Total/NA	Solid	8081A	524659
320-78598-4	SB-2-4	Total/NA	Solid	8081A	524659
320-78598-5	SB-3-1	Total/NA	Solid	8081A	524659
320-78598-6	SB-3-4	Total/NA	Solid	8081A	524659
320-78598-7	SB-4-1	Total/NA	Solid	8081A	524659
320-78598-8	SB-4-4	Total/NA	Solid	8081A	524659
320-78598-9	SB-5-1	Total/NA	Solid	8081A	524659
320-78598-10	SB-5-4	Total/NA	Solid	8081A	524659
320-78598-11	SB-6-1	Total/NA	Solid	8081A	524659
LCS 320-524659/3-A	Lab Control Sample	Total/NA	Solid	8081A	524659
320-78598-11 MS	SB-6-1	Total/NA	Solid	8081A	524659
320-78598-11 MSD	SB-6-1	Total/NA	Solid	8081A	524659

Analysis Batch: 525686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-12	SB-7-1	Total/NA	Solid	8081A	524659
320-78598-13	SB-8-1	Total/NA	Solid	8081A	524659

Metals

Prep Batch: 523521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-1	SB-1-1	Total/NA	Solid	3050B	
320-78598-2	SB-1-4	Total/NA	Solid	3050B	
320-78598-3	SB-2-1.5	Total/NA	Solid	3050B	
320-78598-4	SB-2-4	Total/NA	Solid	3050B	
320-78598-5	SB-3-1	Total/NA	Solid	3050B	
320-78598-6	SB-3-4	Total/NA	Solid	3050B	
320-78598-7	SB-4-1	Total/NA	Solid	3050B	
320-78598-8	SB-4-4	Total/NA	Solid	3050B	
320-78598-9	SB-5-1	Total/NA	Solid	3050B	
320-78598-10	SB-5-4	Total/NA	Solid	3050B	
320-78598-11	SB-6-1	Total/NA	Solid	3050B	
320-78598-12	SB-7-1	Total/NA	Solid	3050B	
320-78598-13	SB-8-1	Total/NA	Solid	3050B	
MB 320-523521/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-523521/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 524130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-1	SB-1-1	Total/NA	Solid	6010B	523521
320-78598-2	SB-1-4	Total/NA	Solid	6010B	523521
320-78598-3	SB-2-1.5	Total/NA	Solid	6010B	523521
320-78598-4	SB-2-4	Total/NA	Solid	6010B	523521
320-78598-5	SB-3-1	Total/NA	Solid	6010B	523521
320-78598-6	SB-3-4	Total/NA	Solid	6010B	523521
320-78598-7	SB-4-1	Total/NA	Solid	6010B	523521
320-78598-8	SB-4-4	Total/NA	Solid	6010B	523521
320-78598-9	SB-5-1	Total/NA	Solid	6010B	523521

Metals (Continued)

Analysis Batch: 524130 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-10	SB-5-4	Total/NA	Solid	6010B	523521
320-78598-11	SB-6-1	Total/NA	Solid	6010B	523521
320-78598-12	SB-7-1	Total/NA	Solid	6010B	523521
320-78598-13	SB-8-1	Total/NA	Solid	6010B	523521
MB 320-523521/1-A	Method Blank	Total/NA	Solid	6010B	523521
LCS 320-523521/2-A	Lab Control Sample	Total/NA	Solid	6010B	523521

Prep Batch: 525158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-1	SB-1-1	Total/NA	Solid	7471A	
320-78598-2	SB-1-4	Total/NA	Solid	7471A	
320-78598-3	SB-2-1.5	Total/NA	Solid	7471A	
320-78598-4	SB-2-4	Total/NA	Solid	7471A	
320-78598-5	SB-3-1	Total/NA	Solid	7471A	
320-78598-6	SB-3-4	Total/NA	Solid	7471A	
320-78598-7	SB-4-1	Total/NA	Solid	7471A	
320-78598-8	SB-4-4	Total/NA	Solid	7471A	
320-78598-9	SB-5-1	Total/NA	Solid	7471A	
320-78598-10	SB-5-4	Total/NA	Solid	7471A	
320-78598-11	SB-6-1	Total/NA	Solid	7471A	
320-78598-12	SB-7-1	Total/NA	Solid	7471A	
320-78598-13	SB-8-1	Total/NA	Solid	7471A	
MB 320-525158/11-A	Method Blank	Total/NA	Solid	7471A	
LCS 320-525158/12-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 320-525158/13-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
320-78598-1 MS	SB-1-1	Total/NA	Solid	7471A	
320-78598-1 MSD	SB-1-1	Total/NA	Solid	7471A	

Analysis Batch: 525634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-1	SB-1-1	Total/NA	Solid	7471A	525158
320-78598-2	SB-1-4	Total/NA	Solid	7471A	525158
320-78598-3	SB-2-1.5	Total/NA	Solid	7471A	525158
320-78598-4	SB-2-4	Total/NA	Solid	7471A	525158
320-78598-5	SB-3-1	Total/NA	Solid	7471A	525158
320-78598-6	SB-3-4	Total/NA	Solid	7471A	525158
320-78598-7	SB-4-1	Total/NA	Solid	7471A	525158
320-78598-8	SB-4-4	Total/NA	Solid	7471A	525158
320-78598-9	SB-5-1	Total/NA	Solid	7471A	525158
320-78598-10	SB-5-4	Total/NA	Solid	7471A	525158
320-78598-11	SB-6-1	Total/NA	Solid	7471A	525158
320-78598-12	SB-7-1	Total/NA	Solid	7471A	525158
320-78598-13	SB-8-1	Total/NA	Solid	7471A	525158
MB 320-525158/11-A	Method Blank	Total/NA	Solid	7471A	525158
LCS 320-525158/12-A	Lab Control Sample	Total/NA	Solid	7471A	525158
LCSD 320-525158/13-A	Lab Control Sample Dup	Total/NA	Solid	7471A	525158
320-78598-1 MS	SB-1-1	Total/NA	Solid	7471A	525158
320-78598-1 MSD	SB-1-1	Total/NA	Solid	7471A	525158

QC Association Summary

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

General Chemistry

Analysis Batch: 523457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-78598-1	SB-1-1	Total/NA	Solid	D 2216	
320-78598-2	SB-1-4	Total/NA	Solid	D 2216	
320-78598-3	SB-2-1.5	Total/NA	Solid	D 2216	
320-78598-4	SB-2-4	Total/NA	Solid	D 2216	
320-78598-5	SB-3-1	Total/NA	Solid	D 2216	
320-78598-6	SB-3-4	Total/NA	Solid	D 2216	
320-78598-7	SB-4-1	Total/NA	Solid	D 2216	
320-78598-8	SB-4-4	Total/NA	Solid	D 2216	
320-78598-9	SB-5-1	Total/NA	Solid	D 2216	
320-78598-10	SB-5-4	Total/NA	Solid	D 2216	
320-78598-11	SB-6-1	Total/NA	Solid	D 2216	
320-78598-12	SB-7-1	Total/NA	Solid	D 2216	
320-78598-13	SB-8-1	Total/NA	Solid	D 2216	
320-78598-1 DU	SB-1-1	Total/NA	Solid	D 2216	

Lab Chronicle

Client: Ninyo & Moore
Job ID: 320-78598-1
Project/Site: 71 Camaritas, South San Francisco

Client Sample ID: SB-1-1
Lab Sample ID: 320-78598-1
Date Collected: 09/08/21 09:25
Matrix: Solid
Date Received: 09/08/21 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			523457	09/09/21 10:08	KDB	TAL SAC

Client Sample ID: SB-1-1
Lab Sample ID: 320-78598-1
Date Collected: 09/08/21 09:25
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.036 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	524534	09/13/21 15:10	JRM	TAL SAC
Total/NA	Prep	5035			6.223 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	523739	09/10/21 13:41	SS	TAL SAC
Total/NA	Prep	3550B			30.24 g	3 mL	524558	09/13/21 10:13	SJ	TAL SAC
Total/NA	Analysis	8015B		5			524654	09/13/21 20:42	K1D	TAL SAC
Total/NA	Prep	3546			15.77 g	5 mL	524659	09/13/21 13:55	SJ	TAL SAC
Total/NA	Analysis	8081A		5			525181	09/16/21 09:45	RS1	TAL SAC
Total/NA	Prep	3050B			1.04 g	100 mL	523521	09/09/21 13:26	JP	TAL SAC
Total/NA	Analysis	6010B		1			524130	09/10/21 14:05	SP	TAL SAC
Total/NA	Prep	7471A			0.64 g	50 mL	525158	09/15/21 09:47	CF	TAL SAC
Total/NA	Analysis	7471A		1			525634	09/16/21 10:22	CF	TAL SAC

Client Sample ID: SB-1-4
Lab Sample ID: 320-78598-2
Date Collected: 09/08/21 09:47
Matrix: Solid
Date Received: 09/08/21 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			523457	09/09/21 10:08	KDB	TAL SAC

Client Sample ID: SB-1-4
Lab Sample ID: 320-78598-2
Date Collected: 09/08/21 09:47
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.615 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	524534	09/13/21 15:33	JRM	TAL SAC
Total/NA	Prep	5035			6.466 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	523739	09/10/21 14:04	SS	TAL SAC
Total/NA	Prep	3550B			30.48 g	3 mL	524558	09/13/21 10:13	SJ	TAL SAC
Total/NA	Analysis	8015B		1			524654	09/13/21 21:06	K1D	TAL SAC
Total/NA	Prep	3546			15.39 g	5 mL	524659	09/13/21 13:55	SJ	TAL SAC
Total/NA	Analysis	8081A		20			525181	09/16/21 10:04	RS1	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	523521	09/09/21 13:26	JP	TAL SAC
Total/NA	Analysis	6010B		1			524130	09/10/21 14:09	SP	TAL SAC
Total/NA	Prep	7471A			0.62 g	50 mL	525158	09/15/21 09:47	CF	TAL SAC
Total/NA	Analysis	7471A		1			525634	09/16/21 10:32	CF	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Job ID: 320-78598-1
Project/Site: 71 Camaritas, South San Francisco

Client Sample ID: SB-2-1.5
Lab Sample ID: 320-78598-3
Date Collected: 09/08/21 10:47
Matrix: Solid
Date Received: 09/08/21 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			523457	09/09/21 10:08	KDB	TAL SAC

Client Sample ID: SB-2-1.5
Lab Sample ID: 320-78598-3
Date Collected: 09/08/21 10:47
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.142 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	524534	09/13/21 15:55	JRM	TAL SAC
Total/NA	Prep	5035			6.716 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	523739	09/10/21 14:26	SS	TAL SAC
Total/NA	Prep	3550B			30.33 g	3 mL	524558	09/13/21 10:13	SJ	TAL SAC
Total/NA	Analysis	8015B		1			524654	09/13/21 21:29	K1D	TAL SAC
Total/NA	Prep	3546			15.43 g	5 mL	524659	09/13/21 13:55	SJ	TAL SAC
Total/NA	Analysis	8081A		5			525181	09/16/21 10:23	RS1	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	523521	09/09/21 13:26	JP	TAL SAC
Total/NA	Analysis	6010B		1			524130	09/10/21 14:13	SP	TAL SAC
Total/NA	Prep	7471A			0.57 g	50 mL	525158	09/15/21 09:47	CF	TAL SAC
Total/NA	Analysis	7471A		1			525634	09/16/21 10:35	CF	TAL SAC

Client Sample ID: SB-2-4
Lab Sample ID: 320-78598-4
Date Collected: 09/08/21 10:52
Matrix: Solid
Date Received: 09/08/21 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			523457	09/09/21 10:08	KDB	TAL SAC

Client Sample ID: SB-2-4
Lab Sample ID: 320-78598-4
Date Collected: 09/08/21 10:52
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.77 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	523740	09/10/21 14:48	SS	TAL SAC
Total/NA	Prep	5035			6.77 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	523739	09/10/21 14:48	SS	TAL SAC
Total/NA	Prep	3550B			30.22 g	3 mL	524558	09/13/21 10:13	SJ	TAL SAC
Total/NA	Analysis	8015B		1			524654	09/13/21 21:53	K1D	TAL SAC
Total/NA	Prep	3546			15.89 g	5 mL	524659	09/13/21 13:55	SJ	TAL SAC
Total/NA	Analysis	8081A		20			525181	09/16/21 10:42	RS1	TAL SAC
Total/NA	Prep	3050B			1.04 g	100 mL	523521	09/09/21 13:26	JP	TAL SAC
Total/NA	Analysis	6010B		1			524130	09/10/21 14:16	SP	TAL SAC
Total/NA	Prep	7471A			0.60 g	50 mL	525158	09/15/21 09:47	CF	TAL SAC
Total/NA	Analysis	7471A		1			525634	09/16/21 10:37	CF	TAL SAC

Client Sample ID: SB-3-1
Lab Sample ID: 320-78598-5
Date Collected: 09/08/21 11:12
Matrix: Solid
Date Received: 09/08/21 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			523457	09/09/21 10:08	KDB	TAL SAC

Client Sample ID: SB-3-1
Lab Sample ID: 320-78598-5
Date Collected: 09/08/21 11:12
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.893 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	523740	09/10/21 15:10	SS	TAL SAC
Total/NA	Prep	5035			5.893 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	523739	09/10/21 15:10	SS	TAL SAC
Total/NA	Prep	3550B			30.72 g	3 mL	524558	09/13/21 10:13	SJ	TAL SAC
Total/NA	Analysis	8015B		20			524654	09/13/21 22:17	K1D	TAL SAC
Total/NA	Prep	3546			15.66 g	5 mL	524659	09/13/21 13:55	SJ	TAL SAC
Total/NA	Analysis	8081A		10			525181	09/16/21 11:01	RS1	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	523521	09/09/21 13:26	JP	TAL SAC
Total/NA	Analysis	6010B		1			524130	09/10/21 14:20	SP	TAL SAC
Total/NA	Prep	7471A			0.62 g	50 mL	525158	09/15/21 09:47	CF	TAL SAC
Total/NA	Analysis	7471A		1			525634	09/16/21 10:40	CF	TAL SAC

Client Sample ID: SB-3-4
Lab Sample ID: 320-78598-6
Date Collected: 09/08/21 11:18
Matrix: Solid
Date Received: 09/08/21 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			523457	09/09/21 10:08	KDB	TAL SAC

Client Sample ID: SB-3-4
Lab Sample ID: 320-78598-6
Date Collected: 09/08/21 11:18
Matrix: Solid
Date Received: 09/08/21 14:50
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.173 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	523740	09/10/21 15:33	SS	TAL SAC
Total/NA	Prep	5035			6.173 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	523739	09/10/21 15:33	SS	TAL SAC
Total/NA	Prep	3550B			30.51 g	3 mL	524558	09/13/21 10:13	SJ	TAL SAC
Total/NA	Analysis	8015B		1			524654	09/13/21 22:41	K1D	TAL SAC
Total/NA	Prep	3546			15.11 g	5 mL	524659	09/13/21 13:55	SJ	TAL SAC
Total/NA	Analysis	8081A		1			525181	09/16/21 01:06	RS1	TAL SAC
Total/NA	Prep	3050B			1.04 g	100 mL	523521	09/09/21 13:26	JP	TAL SAC
Total/NA	Analysis	6010B		1			524130	09/10/21 14:24	SP	TAL SAC
Total/NA	Prep	7471A			0.60 g	50 mL	525158	09/15/21 09:47	CF	TAL SAC
Total/NA	Analysis	7471A		1			525634	09/16/21 10:43	CF	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-4-1
Date Collected: 09/08/21 08:36
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			523457	09/09/21 10:08	KDB	TAL SAC

Client Sample ID: SB-4-1
Date Collected: 09/08/21 08:36
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-7
Matrix: Solid
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.923 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	523740	09/10/21 15:55	SS	TAL SAC
Total/NA	Prep	5035			6.923 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	523739	09/10/21 15:55	SS	TAL SAC
Total/NA	Prep	3550B			30.67 g	3 mL	524558	09/13/21 10:13	SJ	TAL SAC
Total/NA	Analysis	8015B		20			524654	09/13/21 23:05	K1D	TAL SAC
Total/NA	Prep	3546			15.55 g	5 mL	524659	09/13/21 13:55	SJ	TAL SAC
Total/NA	Analysis	8081A		1			525181	09/16/21 01:24	RS1	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	523521	09/09/21 13:26	JP	TAL SAC
Total/NA	Analysis	6010B		1			524130	09/10/21 14:28	SP	TAL SAC
Total/NA	Prep	7471A			0.60 g	50 mL	525158	09/15/21 09:47	CF	TAL SAC
Total/NA	Analysis	7471A		1			525634	09/16/21 10:45	CF	TAL SAC

Client Sample ID: SB-4-4
Date Collected: 09/08/21 08:43
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			523457	09/09/21 10:08	KDB	TAL SAC

Client Sample ID: SB-4-4
Date Collected: 09/08/21 08:43
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-8
Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.722 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	524534	09/13/21 16:18	JRM	TAL SAC
Total/NA	Prep	5035			6.891 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	523739	09/10/21 16:18	SS	TAL SAC
Total/NA	Prep	3550B			30.46 g	3 mL	524558	09/13/21 10:13	SJ	TAL SAC
Total/NA	Analysis	8015B		1			524654	09/13/21 23:29	K1D	TAL SAC
Total/NA	Prep	3546			15.74 g	5 mL	524659	09/13/21 13:55	SJ	TAL SAC
Total/NA	Analysis	8081A		5			525181	09/16/21 01:43	RS1	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	523521	09/09/21 13:26	JP	TAL SAC
Total/NA	Analysis	6010B		1			524130	09/10/21 14:32	SP	TAL SAC
Total/NA	Prep	7471A			0.61 g	50 mL	525158	09/15/21 09:47	CF	TAL SAC
Total/NA	Analysis	7471A		1			525634	09/16/21 10:54	CF	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-5-1
Date Collected: 09/08/21 07:37
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			523457	09/09/21 10:08	KDB	TAL SAC

Client Sample ID: SB-5-1
Date Collected: 09/08/21 07:37
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-9
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.696 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	524534	09/13/21 16:40	JRM	TAL SAC
Total/NA	Prep	5035			6.797 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	523739	09/10/21 16:40	SS	TAL SAC
Total/NA	Prep	3550B			30.96 g	3 mL	524558	09/13/21 10:13	SJ	TAL SAC
Total/NA	Analysis	8015B		1			524654	09/13/21 23:53	K1D	TAL SAC
Total/NA	Prep	3546			15.19 g	5 mL	524659	09/13/21 13:55	SJ	TAL SAC
Total/NA	Analysis	8081A		20			525181	09/16/21 02:02	RS1	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	523521	09/09/21 13:26	JP	TAL SAC
Total/NA	Analysis	6010B		1			524130	09/10/21 14:35	SP	TAL SAC
Total/NA	Prep	7471A			0.63 g	50 mL	525158	09/15/21 09:47	CF	TAL SAC
Total/NA	Analysis	7471A		1			525634	09/16/21 10:57	CF	TAL SAC

Client Sample ID: SB-5-4
Date Collected: 09/08/21 07:49
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			523457	09/09/21 10:08	KDB	TAL SAC

Client Sample ID: SB-5-4
Date Collected: 09/08/21 07:49
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-10
Matrix: Solid
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.669 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	523740	09/10/21 17:02	SS	TAL SAC
Total/NA	Prep	5035			7.669 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	523739	09/10/21 17:02	SS	TAL SAC
Total/NA	Prep	3550B			30.16 g	3 mL	524558	09/13/21 10:13	SJ	TAL SAC
Total/NA	Analysis	8015B		1			524654	09/14/21 00:17	K1D	TAL SAC
Total/NA	Prep	3546			15.05 g	5 mL	524659	09/13/21 13:55	SJ	TAL SAC
Total/NA	Analysis	8081A		1			525181	09/16/21 02:21	RS1	TAL SAC
Total/NA	Prep	3050B			1.04 g	100 mL	523521	09/09/21 13:26	JP	TAL SAC
Total/NA	Analysis	6010B		1			524130	09/10/21 14:39	SP	TAL SAC
Total/NA	Prep	7471A			0.60 g	50 mL	525158	09/15/21 09:47	CF	TAL SAC
Total/NA	Analysis	7471A		1			525634	09/16/21 10:59	CF	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-6-1
Date Collected: 09/08/21 11:34
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			523457	09/09/21 10:08	KDB	TAL SAC

Client Sample ID: SB-6-1
Date Collected: 09/08/21 11:34
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-11
Matrix: Solid
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.896 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	523744	09/10/21 12:27	JRM	TAL SAC
Total/NA	Prep	5035			5.896 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	523743	09/10/21 12:27	JRM	TAL SAC
Total/NA	Prep	3550B			30.86 g	3 mL	524558	09/13/21 10:13	SJ	TAL SAC
Total/NA	Analysis	8015B		1			524654	09/14/21 00:41	K1D	TAL SAC
Total/NA	Prep	3546			15.45 g	5 mL	524659	09/13/21 13:55	SJ	TAL SAC
Total/NA	Analysis	8081A		5			525181	09/16/21 02:40	RS1	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	523521	09/09/21 13:26	JP	TAL SAC
Total/NA	Analysis	6010B		1			524130	09/10/21 14:51	SP	TAL SAC
Total/NA	Prep	7471A			0.61 g	50 mL	525158	09/15/21 09:47	CF	TAL SAC
Total/NA	Analysis	7471A		1			525634	09/16/21 11:02	CF	TAL SAC

Client Sample ID: SB-7-1
Date Collected: 09/08/21 11:39
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			523457	09/09/21 10:08	KDB	TAL SAC

Client Sample ID: SB-7-1
Date Collected: 09/08/21 11:39
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-12
Matrix: Solid
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.115 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	523744	09/10/21 12:48	JRM	TAL SAC
Total/NA	Prep	5035			6.115 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	523743	09/10/21 12:48	JRM	TAL SAC
Total/NA	Prep	3550B			30.45 g	3 mL	524558	09/13/21 10:13	SJ	TAL SAC
Total/NA	Analysis	8015B		1			524654	09/14/21 01:05	K1D	TAL SAC
Total/NA	Prep	3546			15.39 g	5 mL	524659	09/13/21 13:55	SJ	TAL SAC
Total/NA	Analysis	8081A		5			525686	09/16/21 18:11	K1D	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	523521	09/09/21 13:26	JP	TAL SAC
Total/NA	Analysis	6010B		1			524130	09/10/21 14:54	SP	TAL SAC
Total/NA	Prep	7471A			0.56 g	50 mL	525158	09/15/21 09:47	CF	TAL SAC
Total/NA	Analysis	7471A		1			525634	09/16/21 11:04	CF	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Client Sample ID: SB-8-1
Date Collected: 09/08/21 11:44
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			523457	09/09/21 10:08	KDB	TAL SAC

Client Sample ID: SB-8-1
Date Collected: 09/08/21 11:44
Date Received: 09/08/21 14:50

Lab Sample ID: 320-78598-13
Matrix: Solid
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.794 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	523744	09/10/21 13:10	JRM	TAL SAC
Total/NA	Prep	5035			5.794 g	5 mL	523482	09/08/21 20:25	EFB	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	523743	09/10/21 13:10	JRM	TAL SAC
Total/NA	Prep	3550B			30.67 g	3 mL	524558	09/13/21 10:13	SJ	TAL SAC
Total/NA	Analysis	8015B		1			524654	09/14/21 01:29	K1D	TAL SAC
Total/NA	Prep	3546			15.64 g	5 mL	524659	09/13/21 13:55	SJ	TAL SAC
Total/NA	Analysis	8081A		5			525686	09/16/21 18:30	K1D	TAL SAC
Total/NA	Prep	3050B			1.04 g	100 mL	523521	09/09/21 13:26	JP	TAL SAC
Total/NA	Analysis	6010B		1			524130	09/10/21 14:58	SP	TAL SAC
Total/NA	Prep	7471A			0.62 g	50 mL	525158	09/15/21 09:47	CF	TAL SAC
Total/NA	Analysis	7471A		1			525634	09/16/21 11:07	CF	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Job ID: 320-78598-1
Project/Site: 71 Camaritas, South San Francisco

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B	3550B	Solid	Motor Oil Range Organics [C28-C40]
D 2216		Solid	Percent Moisture
D 2216		Solid	Percent Solids

Method Summary

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAC
8260B/CA_LUFTMS	Volatile Organic Compounds by GC/MS	SW846	TAL SAC
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SAC
8081A	Organochlorine Pesticides (GC)	SW846	TAL SAC
6010B	Metals (ICP)	SW846	TAL SAC
7471A	Mercury (CVAA)	SW846	TAL SAC
D 2216	Percent Moisture	ASTM	TAL SAC
3050B	Preparation, Metals	SW846	TAL SAC
3546	Microwave Extraction	SW846	TAL SAC
3550B	Ultrasonic Extraction	SW846	TAL SAC
5035	Closed System Purge and Trap	SW846	TAL SAC
7471A	Preparation, Mercury	SW846	TAL SAC

Protocol References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: 71 Camaritas, South San Francisco

Job ID: 320-78598-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-78598-1	SB-1-1	Solid	09/08/21 09:25	09/08/21 14:50
320-78598-2	SB-1-4	Solid	09/08/21 09:47	09/08/21 14:50
320-78598-3	SB-2-1.5	Solid	09/08/21 10:47	09/08/21 14:50
320-78598-4	SB-2-4	Solid	09/08/21 10:52	09/08/21 14:50
320-78598-5	SB-3-1	Solid	09/08/21 11:12	09/08/21 14:50
320-78598-6	SB-3-4	Solid	09/08/21 11:18	09/08/21 14:50
320-78598-7	SB-4-1	Solid	09/08/21 08:36	09/08/21 14:50
320-78598-8	SB-4-4	Solid	09/08/21 08:43	09/08/21 14:50
320-78598-9	SB-5-1	Solid	09/08/21 07:37	09/08/21 14:50
320-78598-10	SB-5-4	Solid	09/08/21 07:49	09/08/21 14:50
320-78598-11	SB-6-1	Solid	09/08/21 11:34	09/08/21 14:50
320-78598-12	SB-7-1	Solid	09/08/21 11:39	09/08/21 14:50
320-78598-13	SB-8-1	Solid	09/08/21 11:44	09/08/21 14:50

Eurofins TestAmerica Pleasanton
1220 Quarry Lane

Pleasanton, CA 94566-4756
phone 925.484.1919 fax 925.600.3002

Chain of Custody Record

~~320-78598~~ 320-78598

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Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Bryan Fong	Site Contact: Bryan Fong	Date: 09/08/2021	COC No: 1 of 2 COCs
Ninyo & Moore	Tel/Fax: 510.343.3000 x 15208	Lab Contact: Justinn Gonzales	Carrier:	TALS Project #:
2020 Challenger Dr Suite 103	Analysis Turnaround Time			Sampler:
Alameda, CA 94501	☑CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
510.343.3000 Phone	TAT if different from Below: 5-Day			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: 71 Camaritas	☐ 1 week			Job / SDG No
Site:South San Francisco	☐ 2 days			
P O # 404050002	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPHg, VOCs 8260B /5035	TPHd, TPHmo 8015M	OCPs by 8081	Title 22 Metals by 6010B/7471	Sample Specific Notes.
SB-1-1	9/8/2021	0925	G	S	4			x	x	x	x	
SB-1-4	9/8/2021	0947	G	S	4			x	x	x	x	
SB-2-1.5	9/8/2021	1047	G	S	4			x	x	x	x	
SB-2-4	9/8/2021	1052	G	S	4			x	x	x	x	
SB-3-1	9/8/2021	1112	G	S	4			x	x	x	x	
SB-3-4	9/8/2021	1118	G	S	4			x	x	x	x	
SB-4-1	9/8/2021	0836	G	S	4			x	x	x	x	
SB-4-4	9/8/2021	0843	G	S	4			x	x	x	x	
SB-5-1	9/8/2021	0737	G	S	4			x	x	x	x	
SB-5-4	9/8/2021	0749	G	S	4			x	x	x	x	
SB-6-1	9/8/2021	1134	G	S	4			x	x	x	x	
LVM ~~SB-6~~ SB-7-1	9/8/2021	1139	G	S	4			x	x	x	x	

320-78598 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☑Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments.
S= Soil, W=Water

1.3°C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd. ____ Corr'd. ____ | Therm ID No. ____

	Company	Date/Time		Company	Date/Time
Relinquished by: Laura Mosqueda	Ninyo & Moore	09/08/21 14:50	Received by:	FTAS	9-8-21 1450
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev 4.31 dated 3/5/2020

9/17/2021

Eurofins TestAmerica, Pleasanton
1220 Quarry Lane

Pleasanton CA 94566-4756
phone 925.484.1919 fax 925.600.3002

Chain of Custody Record

~~320~~ 320 - 78598

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TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	**Project Manager:** Bryan Fong	**Site Contact:** Bryan Fong	**Date:** 09/08/2021
Ninyo & Moore	**Tel/Fax:** 510.343.3000 x 15208	**Lab Contact:** Justinn Gonzales	**Carrier:**
2020 Challenger Dr Suite 103	**Analysis Turnaround Time**		
Alameda, CA 94501	☑ CALENDAR DAYS ☐ WORKING DAYS		
510.343.3000 Phone	*TAT if different from Below: 5-Day*		
	☐ 2 weeks		
Project Name: 71 Camaritas	☐ 1 week		
Site:South San Francisco	☐ 2 days		
P C # 404050002	☐ 1 day		

COC No: 2 of 2 COCs
TALS Project #:
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling
Job / SDG No.

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPHg, VOCs 8260B / 5035	TPHd, TPHmo 8015M	OCPs by 8081	Title 22 Metals by 6010B/7471	Sample Specific Notes:
SB-8-1	9/8/2021	1144	G	S	4			x	x	x	x	
~~9/9/2021~~			G	~~W~~	5			x	x			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments.
S= Soil, W=Water

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C): Obs'd._____ Corr'd._____ | Therm ID No._____

Relinquished by: Yara Mosqueda	Company: Ninyo & Moore	Date/Time: 9/08/21 14:50	Received by:	Company: ETAS	Date/Time: 9-8-21 1450
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev 4.31 dated 3/5/2020

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-240145.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-78598-1
Address: 880 Riverside Parkway,	Due Date Requested: 9/15/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: 71 Camaritas, South San Francisco	Project #: 32018591			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B/CA_LUFTMS/5035A_FW_7_Calc GRO C4-C12	8260B/5035A_FW_7_Calc VOCs, Standard List	6010B/3050B CAM 17 List, minus Mercury	7471A/7471A_Prep Mercury Only	8081A/3546 Pesticides, Standard List	8015B_DRO/3546 DRO/MRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SB-1-1 (320-78598-1)	9/8/21	09:25 Pacific		Solid			X	X	X	X	X	X	4	
SB-1-4 (320-78598-2)	9/8/21	09:47 Pacific		Solid			X	X	X	X	X	X	4	
SB-2-1.5 (320-78598-3)	9/8/21	10:47 Pacific		Solid			X	X	X	X	X	X	4	
SB-2-4 (320-78598-4)	9/8/21	10:52 Pacific		Solid			X	X	X	X	X	X	4	
SB-3-1 (320-78598-5)	9/8/21	11:12 Pacific		Solid			X	X	X	X	X	X	4	
SB-3-4 (320-78598-6)	9/8/21	11:18 Pacific		Solid			X	X	X	X	X	X	4	
SB-4-1 (320-78598-7)	9/8/21	08:36 Pacific		Solid			X	X	X	X	X	X	4	
SB-4-4 (320-78598-8)	9/8/21	08:43 Pacific		Solid			X	X	X	X	X	X	4	
SB-5-1 (320-78598-9)	9/8/21	07:37 Pacific		Solid			X	X	X	X	X	X	4	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		9/8/21 1600	EMSI		9/8/21 1600	DCS
2		9/8/21 1825			9/8/21 1825	EMSI
3						

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.7 & 3.1

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-240145.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-78598-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 9/15/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: 71 Camaritas, South San Francisco	Project #: 32018591			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B/CA_LUFTMS/5035A_FW_7_Calc GRO C4-C12	8260B/5035A_FW_7_Calc VOCs, Standard List	6010B/3050B CAM 17 List, minus Mercury	7471A/7471A_Prep Mercury Only	8081A/3546 Pesticides, Standard List	8015B_DRO/3546 DRO/MRO	Total Number of containers	Special Instructions/Note:
Preservation Code:														
SB-5-4 (320-78598-10)	9/8/21	07:49 Pacific		Solid			X	X	X	X	X	X	4	
SB-6-1 (320-78598-11)	9/8/21	11:34 Pacific		Solid			X	X	X	X	X	X	4	
SB--7-1 (320-78598-12)	9/8/21	11:39 Pacific		Solid			X	X	X	X	X	X	4	
SB-8-1 (320-78598-13)	9/8/21	11:44 Pacific		Solid			X	X	X	X	X	X	4	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		9/8/21 1600	FEMTA		9/8/21 1600	DC3
2		9/8/21 1825			9/8/21 1825	FEDEX
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-78598-1

Login Number: 78598
List Number: 1
Creator: Garcia, Hilario A

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-78598-1

Login Number: 78598
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.1 & 1.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

2020 Challenger Drive, Suite 103 | Alameda, California 94501 | p. 510.343.3000

ARIZONA | CALIFORNIA | COLORADO | NEVADA | TEXAS | UTAH

ninyoandmoore.com

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants