APPENDIX F4

Phase II Environmental Site Assessment
150 North Autumn Street

Milligan Parking Lot Project

REPORT FOR
PHASE II ESA
150 North Autumn Street
San Jose, California 95110

Prepared for

City of San Jose
Public Works Department
Attn: Mr. Mark Saturnio
200 E. Santa Clara St.
Tower 5th Floor
San Jose, CA 95113

Prepared by
Envirocom
P.O. Box 28310
San Jose, CA 95159
(408) 894-9062

December 13, 2019
Project 19-032.12

ENVIROCOM

December 13, 2019
Project 19-032.12

Mr. Mark Saturnio
Associate Engineer
City of San Jose, DPW
City Facilities Architectural Services Division
200 East Santa Clara St. T6
San Jose, CA 95113

Subject: Report for Phase II Environmental Site Assessment, 150 North Autumn Street, San Jose, California

Dear Mr. Saturnio:

Envirocom is pleased to present this report summarizing scope and results of a Phase II Environmental Site Assessment (ESA) for the subject location, hereafter, referred to as the Site. Site location is shown in Figure 1.

Envirocom understands that future planned development for the Site is a paved ground surface parking lot.

BACKGROUND

The Site is approximately 1.695 acre of land with assessor parcel number (APN) 259-29-102. It is bounded by Los Gatos Trail and Guadalupe River to the East, North Autumn Street to the west, residential properties to the north, and mixture of commercial and park to the south. Envirocom understands that the City is planning to construct a paved ground surface parking lot at the Site in the near future.

The Site is located in a mixed residential and commercial/industrial neighborhood. Figure 2 shows the Site neighboring properties.

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Previous Phase I ESA and Update

A Phase I ESA was prepared for the Site by City of San Jose Environmental Services Department (CSJESD) dated March 16, 2017. The Site was constructed with the existing structures by 1959 and operated as a magazine facility distribution until it closed in 2014.

The Site received a case closure on January 24, 1997, after removal of two 10,000-gallon gasoline tanks with associated piping, excavation of contaminated soil, and remediation (pump & treat) of soil vapor and groundwater. Approximately 7 million gallons of groundwater and 8,800 pounds of hydrocarbon vapor were extracted and treated along with 285 cubic yards of contaminated soil, which was aerated and used for landscaping at the Site.

In its report, CSJESD concluded that the long Site history and past Site uses were of environmental concern. Past printing activities may have used hazardous materials. In addition, some residual petroleum soil contamination remains beneath a portion of the Site related to the former thank excavation.

Envirocom prepared a Phase I ESA update for the Site in August 2019. Envirocom recommended performing additional subsurface investigation, as well as, asbestos, lead in paint, and PCBs inspection of building structures at the Site, before the demolition work.

Copies of relevant document related to the historical subsurface environmental conditions attached to the case closure letter, which was prepared by Santa Clara Valley Water District for the Site is enclosed in Appendix A.

Current Site Conditions

Currently, the Site is vacant and used as storage warehouse. Figure 3 shows the Site plan.

OBJECTIVE

The objective of the Phase II ESA was to: (1) obtain updated soil, groundwater, and soil gas data beneath the Site and (2) and evaluate whether additional corrective actions would be warranted for the Site considering its future land use as a paved parking lot.

Envirocom used Environmental Screening Levels (ESLs) for commercial/industrial land use to determine degree of risk to public exposure at the Site. ESLs were established by the San Francisco Regional Water Quality

Control Board (SFRWQCB, Water Board, February 2016, Rev. 3). They were revised in 2019, Rev. 2. They are conservative risk-based screening levels. ESLs are not cleanup levels, but they indicate whether additional investigation/mitigation measures would be warranted at properties where contaminant concentrations exceed ESLs for specific land use practices. The land use practices provided by SFRWQCB consist of residential and commercial/industrial. Therefore, ESLs would not apply to the future planned development of the Site as unoccupied paved parking lot. However, in the absence of a Site-specific risk assessment for parking lot, Envirocom used ESLs for commercial/industrial land use as a reference threshold. Please note that variables determining contaminant exposure risk to public who park their cars at the Site in the future will be less stringent than the variables used for ESLs assigned for commercial/industrial land use.

SCOPE OF WORK

To obtain subsurface environmental data, Envirocom had drillers advancing 5 soil borings (MSB1 through MSB5) and constructed 5 soil-gas probes (MSG1 through MSG5) at the Site. The Soil borings and the soil-gas probes were approximately 5 feet apart. Envirocom collected soil, groundwater, and soil-gas samples for chemical analysis.

Prior to the field activities, Envirocom retained services of a private utility locating company, and contacted Underground Services Alert (USA) to clear the sampling locations from underground utilities. Envirocom retained services of a California-licensed drilling contractor to advance the soil borings and construct soil-gas probes. Envirocom submitted the samples to a State-certified analytical laboratory for chemical analysis. Envirocom summarized the information in this report.

PREFIELD ACTIVITIES

Envirocom coordinated with the client and C. Cruz Sub-Surface Locators, inc. (C. Cruz) of Milpitas, California to clear underground utilities at the sampling/drilling locations. Additionally, Envirocom contacted Underground Services Alert (USA) and notified them of the drilling date and time. Envirocom prepared a health and safety plan for its employees and sub contractors. Envirocom coordinated with Enthalpy Analytical (EA) of Berkeley, California to obtain appropriate sampling containers. Envirocom also coordinated with Cascade Drilling, Ltd. (Cascade) of Richmond, California to drill boreholes and collect soil, soil gas, and groundwater samples. Envirocom prepared field material and equipment. Envirocom notified the client of the drilling/sampling date and time.

FIELD ACTIVITIES

Drilling & Soil and Groundwater Sampling

On November 12, 2019, Cascade used a track-mounted Geoprobe® direct push drilling equipment to advance soil boring MSB1 through MSB5 for soil and groundwater sampling. Cascade used a hollow shaft, which was lined with new clear plastic tube (4 feet long) and attached to steel rods. The shaft penetrated into ground by hydraulic hammer and collected continuous soil samples at 4-foot intervals until reaching bottom of borings at 20 feet below ground surface (bgs). After collection, plastic tubes were removed from inside of the shaft for inspection and sample collection. Envirocom screened soil conditions from ground surface to bottom of each boring using visual observations as well as a photo ionization detector (PID). The observations were recorded in boring logs. One soil sample was collected from each boring at approximately 10 feet bgs (above water table) for chemical analysis. Envirocom cut a section of the plastic tube (approximately 6-inch long) containing soil for laboratory analysis. Envirocom sealed the tubes with Teflon® tape and plastic end caps, labeled them, and placed them on ice in a cooler.

Except for soil boring MSB2, no visual contamination (odor/stain) or PID reading was observed/detected in the soil samples. Hydrocarbon odor was detected in the soil extruded from MSB2 at approximately 8 feet bgs. Soil type encountered in the borings consisted of clayey silt to silty clay to approximately 15 feet bgs followed with silty sand, sand, and gravelly sand to bottom of borings at 20 feet bgs. Boring locations are shown in Figure 3. Exploratory boring logs are enclosed in Appendix B.

Groundwater was first encountered at approximately 14’ bgs in the borings at the Site. Cascade inserted new 3/4-inch diameter perforated and solid PVC piping in each boring to collect grab groundwater samples. Envriocom utilized a well sounder to measure the groundwater level in each boring. Static groundwater levels at the Site measured from 15’ to 16’ bgs.

New disposable bailers were used to transfer groundwater into clean volatile organic analysis (VOA) vials. The vials were sealed with Teflon-septum screw cap. They were labeled, placed on ice in a cooler, and together with the soil and soil gas samples and chain-of-custody documentation submitted to EA for chemical analysis.

After collecting all samples, Cascade sealed the soil borings with Portland cement and Bentonite® mixture. Top of the borings were sealed with concrete or asphalt to match their surroundings.

Drill cuttings were placed in a 55-gallon drum, which was stored at the Site.

Soil-Gas Sampling

Cascade utilized the same track-mounted Geoprobe® direct push drilling equipment for advancing the boreholes and construct the soil gas probes. Sample locations are shown in Figure 3. After advancing the boreholes MSG1 through MSG5 to 5 feet bgs, Cascade connected a gas probe to 1/4-inch diameter Teflon® tubing and used 3/4-inch diameter PVC piping to center and place the probe to the bottom of each borehole. Cascade extended the sampling tubing from the gas probe tip to the ground surface. Cascade placed approximately 2" of sand beneath each probe, 10" of sand was placed around the probe and the tubing, 1' of dry Bentonite® was placed above the sand, and 3' of hydrated Bentonite® was placed on top of the dry Bentonite® extending to the ground surface. After construction, each sample location was left to reach equilibrium, before purging volume, and soil gas sample collection was performed.

Envirocom used a new 1-liter Tedlar® bag, a diaframe pump, and a vacuum chamber/lung box to collect each sample. After collection, the samples were labeled, placed in a sealed box, and submitted to EAL with chain-of-custody documentation for chemical analysis.

CHEMICAL ANALYSIS

The soil and groundwater samples were analyzed for volatile organic compounds (VOCs) using the United States Environmental Protection Agency (EPA) method 8260B.

The soil gas samples were also analyzed for VOCs using EPA method TO-15. They were also analyzed for total petroleum hydrocarbons as gasoline (TPHG) using EPA method TO-3M.

ANALYTICAL RESULTS FOR SOIL AND GROUNDWATER SAMPLES

Other than 29 ug/kg Acetone detected in soil sample MSB2-10, No TPHG or VOCs were detected in the remaining soil samples collected at the Site.

No VOCs or TPHG was detected in groundwater sample MW1, MW3, MW4, and MW5 collected at the Site. Among petroleum hydrocarbon constituents up to 86,000 μg/L TPHG, 1,700 μg/L Benzene, and 980 μg/L Naphthalene were

detected in groundwater sample MW2. This sample location was closest to the former UST area.

Analytical results for soil and groundwater samples are presented in Table I and Table II, respectively.

ANALYTICAL RESULTS FOR SOIL GAS SAMPLES

Up to 120 ug/m^3 Acetone, up to 38.1 ug/m^3 Benzene, and 18.5 ug/m^3 Methylene Chloride as well as other gasoline constituents were detected in the soil gas samples collected at the Site. Summary of the analytical results for the soil gas samples are presented in Table III.

CONCLUSION

The following summarize the findings:

- Other than 29 ug/kg Acetone detected in soil sample MSB2-10, no VOCs or TPHG was detected in the remaining soil samples (Table I);

- No VOCs or TPHG was detected in groundwater sample MW1, MW3, MW4, and MW5 collected at the Site. Among petroleum hydrocarbon constituents up to 86,000 μg/L TPHG, 1,700 μg/L Benzene, and 980 μg/L Naphthalene were detected in groundwater sample MW2. This sample location was closest to the former UST area (Table II);

- Sample MW2 was collected within close proximity of the former UST;

- Gasoline constituents and few VOCs such as Acetone and Methylene Chloride were detected in the soil gas samples (Table III).

DISCUSSION

Evaluation of the contaminants beneath the Site indicates that the gasoline constituents in groundwater are confined within close proximity to the former UST excavation in the paved parking area, northwest of the Site. Except for MW2 (Figure 3), no gasoline constituents or VOCs were detected in the remaining groundwater samples.

Gasoline constituents and few VOCs such as Acetone and Methylene Chloride were detected in the soil gas samples. However, their concentrations are below ESLs (Table III). Although benzene concentration in soil gas sample MSG2 and

MSG3 are slightly above ESL for cancer risk, average benzene concentration at the Site is below ESL. Furthermore, public exposure risk to benzene at an open parking lot would be less than a commercial/industrial land use.

Since the Site has obtained a low threat case closure from the SCVWD in January 1997, and its future planned development is paved parking lot, it is reasonable to conclude that public exposure to the residual contaminants would be less than significant. However, residual contaminants associated with the former fuel tanks exist at the Site that may expose construction workers to pollutants during grading, earthwork, trenching, etc.

RECOMMENDATIONS

Based on the above information, Envirocom recommends preparing a soil management plan (SMP) for the Site, prior to the grading and construction work of the parking lot.

The SMP will provide procedures to properly handle, store, profile, transport, reuse, and dispose of excess soil from the Site in accordance with the Local, State, and Federal regulations. It will also provide health and safety measures protective of workers, public, and the environment during the grading/earthwork activities at the Site.

Envirocom also recommends performing hazardous material inspection including asbestos, lead, and PCBs, before demolition of the structure at the Site.

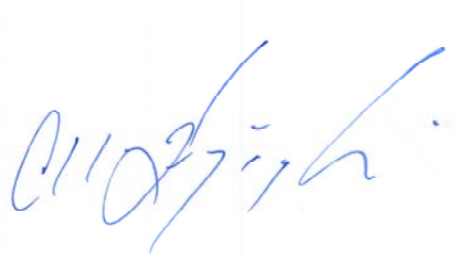
LIMITATIONS

The content and conclusion provided by Envirocom in this report are based on information collected during its assessment/monitoring, which include, but are not limited to field observations and analytical results for the soil and groundwater samples collected at the Site. Envirocom assumes that the samples collected and laboratory results are reasonably representative of the whole Site, which may not be the case at unsampled areas. This assessment/monitoring was performed in accordance with generally accepted principles and practices of environmental engineering and assessment at the time of the work. This report presents our professional opinion based on our findings, technical knowledge, and experience working on similar projects. No warranty, either expressed or implied, is made. The conclusions presented are based on the analytical results and current regulatory requirements. We are not responsible for the impact of any changes in environmental standards or regulations in the future.

Please feel welcome to contact us if you have questions.

Sincerely,
Envirocom

Reza Baradaran, GE, PE
Principal Engineer



Mitch Hajiaghai, REA II, CPESC, QSD
Principal Environmental Consultant

Attachments:

Table I	-	Analytical Results for Soil Samples
Table II	-	Analytical Results for Groundwater Samples
Table III	-	Analytical Results for Soil Gas Samples
Figure 1	-	Site Location Map
Figure 2	-	Neighboring Properties
Figure 3	-	Soil Boring Locations
Appendix A	-	SCVWD Case Closure Document
Appendix B	-	Exploratory Boring Logs
Appendix C	-	Certified Analytical Results and Chain-Of-Custody Documentation

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TABLE I
ANALYTICAL RESULTS FOR SOIL SAMPLES (MILLIGAN)

Sample ID	Sample Date	Sample Location	Sample Depth In Feet	TPHG[1] mg/kg	Acetone ug/kg
MSB1-10	**11-12-19**	**MSB1**	**10**	< 1.1	< 19
MSB2-10	**11-12-19**	**MSB2**	**10**	< 0.93	29
MSB3-10	**11-12-19**	**MSB3**	**10**	< 1.1	< 19
MSB4-10	**11-12-19**	**MSB4**	**10**	< 1.1	< 19
MSB5-10	**11-12-19**	**MSB5**	**10**	< 9.5	< 20
San Francisco Bay RWQCB ESLs 2019 Summary of Soil ESLs Direct Exposure Human Health Risk Levels (Table S-1) Commercial/Industrial Shallow Soil Exposure Cancer Risk				NV[2]	NV
San Francisco Bay RWQCB ESLs 2019 Summary of Soil ESLs Direct Exposure Human Health Risk Levels (Table S-1) Commercial/Industrial Shallow Soil Exposure Non-Cancer Hazard				2000	670000

1: TPHG – Total Petroleum Hydrocarbon Gasoline
2: NV – No Value
Note: All other soil sample results for Volatile Organic Compounds (VOCs) not included in table I were below laboratory reporting limits (RL)

TABLE II
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES (MILLIGAN)
(Concentrations in ug/L)

Sample ID	Sample Date	Sample Location	Gasoline	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	Isopropylbenzene	Propylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	n-Butylbenzene	Naphthalene
MW1	**11-12-19**	**MSB1**	<50 H[1]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
MW2	**11-12-19**	**MSB2**	86000	**1700**	320	3700	**10000**	**2400**	130	420	710	3000	230	**980**
MW3	**11-12-19**	**MSB3**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
MW4	**11-12-19**	**MSB4**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
MW5	**11-12-19**	**MSB5**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
San Francisco Bay RWQCB, Summary of Groundwater ESLs 2019, for Groundwater Vapor Intrusion Human Health Risk Levels (Table GW-3) Commercial/Industrial Cancer Risk			NV[1]	1.8	NV	15	NV	NV	NA[2]	NA	NA	NA	NA	20
San Francisco Bay RWQCB, Summary of Groundwater ESLs 2019, for Groundwater Vapor Intrusion Human Health Risk Levels (Table GW-3) Commercial/Industrial Non-Cancer Hazard			NV	57	4900	14000	1600	1600	NA	NA	NA	NA	NA	730

1. H = Sample analyzed outside of hold time due to laboratory omission and miscommunication
1. NV = No Value
2. NA = Not Available

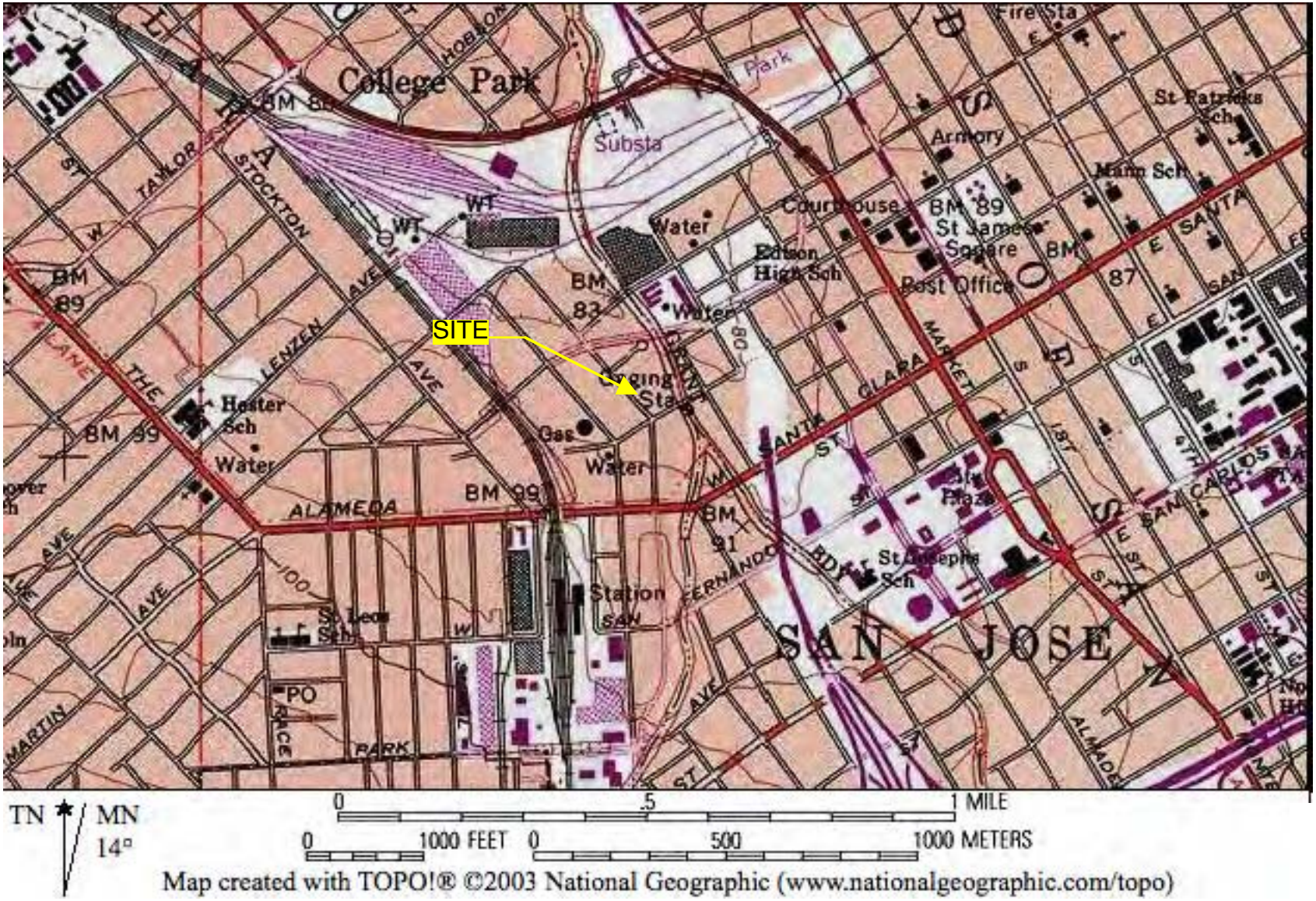
Note: All other VOCs not included in Table II were below laboratory reporting limits (RL).

TABLE III
ANALYTICAL RESULTS FOR SOIL GAS SAMPLES (MILLIGAN)
(Concentrations in ug/m^3)

Sample ID	Sample Date	Sample Location	Sample Depth In Feet	1,2,4-Trimethylbenzene	4-Ethyltoluene	4-Methyl-2-pentanone	Acetone	Benzene	Cyclohexane	Ethylbenzene	Heptane	Hexane	m,p-Xylene	Isopropyl Alcohol	Methylene Chloride	o-Xylene	Toluene	Xylenes (Total)
MSG1	**11-12-19**	**MSG1**	**5**	<2.46	<2.1	<1.62	67.4J[1]	<0.64	62.4J	<1.28	20.7J	42.5J	<2.48	17.2J	18.5J	<1.2	180	<1.2
MSG2	**11-12-19**	**MSG2**	**5**	<2.46	<2.1	34.6J	120J	**38.1J**	420	<1.28	120	300	36.4J	22.5J	17.7J	<1.2	440	36.4J
MSG3	**11-12-19**	**MSG3**	**5**	<2.46	<2.1	<1.62	110J	**20.1J**	64.9J	<1.28	40.2J	44.5J	49.2J	18.6J	15.8J	<1.2	370	49.2J
MSG4	**11-12-19**	**MSG4**	**5**	<2.46	<2.1	<1.62	68.9J	<0.64	16.6J	<1.28	17.3J	<1.3	23.7J	24.9J	15.0J	<1.2	130	23.7J
MSG5	**11-12-19**	**MSG5**	**5**	6.7J	5.8J	18.5J	57.5J	4.2J	8.7J	11.0J	<0.29	5.5J	54.0	10.6J	14.9J	22.3	27.4	76.3
San Francisco Bay RWQCB ESLs 2019 Subslab/Soil Gas Vapor Intrusion Human Health Risk Levels (Table SG-1) Industrial/Commercial Cancer Risk				NA[2]	NA	NA	NV[3]	14	NA	160	NA	NA	NV	NA	410	NV	NV	NV
San Francisco Bay RWQCB ESLs 2019 Subslab/Soil Gas Vapor Intrusion Human Health Risk Levels (Table SG-1) Industrial/Commercial Non-Cancer Hazard				NA	NA	NA	4500000	440	NA	150000	NA	NA	15000	NA	58000	15000	44000	15000

1. J = Reported Value Is Estimated
2. NA = Not Available
3. NV = No Value

Note: Concentrations of all TPHG and other VOCs not included in table III were below Method Detection limits (MDL).



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Site Location Map

Phase II Environmental Site Assessment

150 N. Autumn Street · San Jose · California

FIGURE
1

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Drawing Not To Scale

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Phase II ESA

Site Vicinity Map

150 N. Autumn Street • San Jose • California • 95035

FIGURE 2
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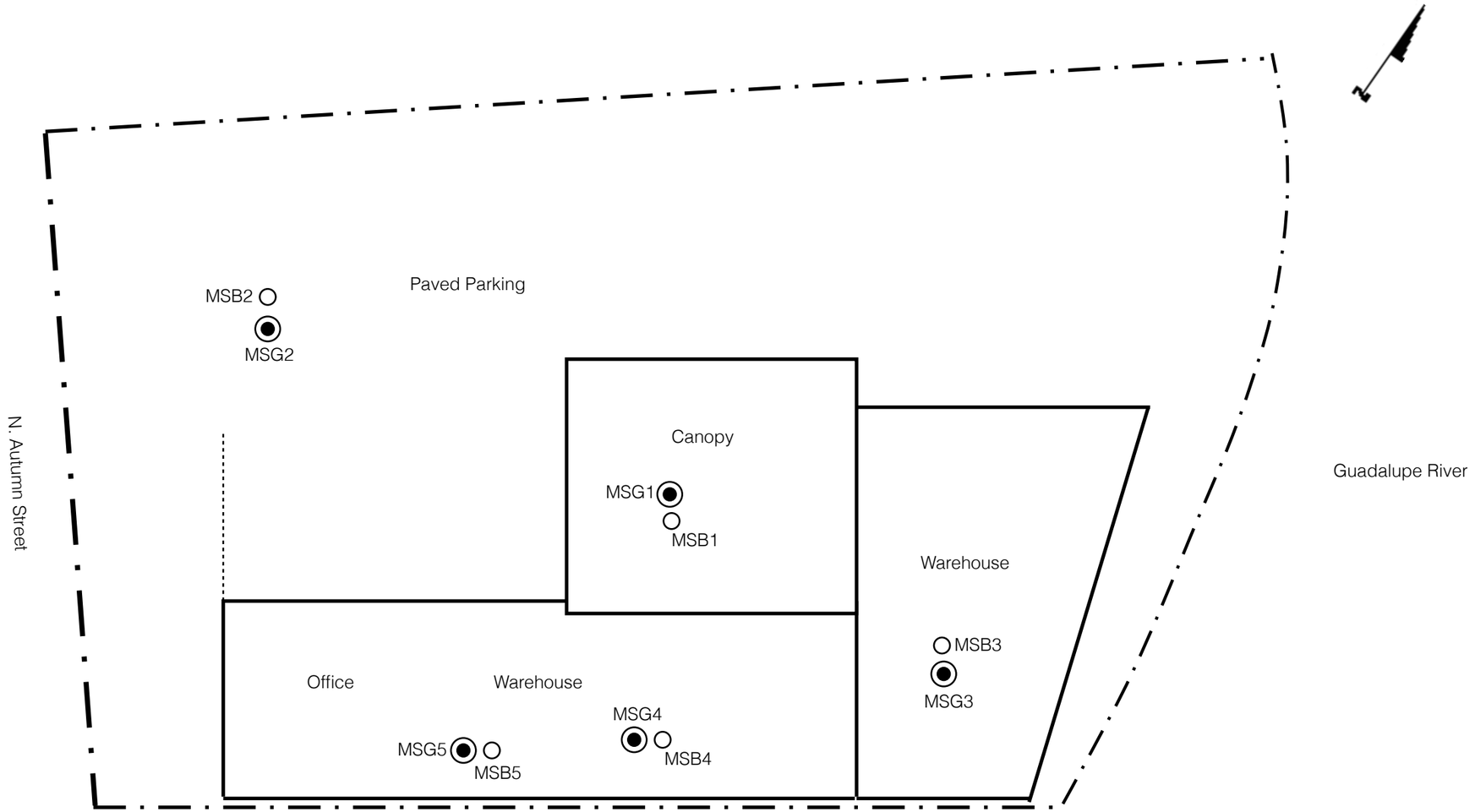
LEGEND

- MSB1 Soil Boring Location and Designation
- MSG1 Soil Gas Probe Location and Designation



Approximate scale: 0' 40' 80'

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Phase II ESA

Sample Locations

150 N. Autumn Street · San Jose · California · 95035

FIGURE 3
December 13, 2019
Project 19-032.12

Appendix A

SCVWD CASE CLOSURE DOCUMENT

January 24, 1997

Mr. Jack Gillis
Milligan News
150 North Autumn Street
San Jose, CA 95110

Dear Mr. Gillis:

Subject: Underground Storage Tank Case Closure—Milligan News, 150 Autumn Street, San Jose, CA; Case No. 11-087; Underground Storage Tank Cleanup Fund No. 498

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e).

Please contact Mr. Lane Davis at the Camden Office, (408) 927-0710, extension 2698, if you have any questions in this matter.

Sincerely,

ORIGINAL SIGNED BY

James S. Crowley, P.E.
Associate Civil Engineer
Leaking Underground Storage Tank Oversight Program

Enclosure

cc: Ms. Lori Casias (w/enc)
Division of Clean Water Programs
State Water Resources Control Board
P.O. Box 944212
Sacramento, CA 94244-2120

Mr. Dan Firth
Hazardous Materials Division
San Jose Fire Department
4 North Second Street, Suite 1100
San Jose, CA 95113-1305

Mr. John West (w/enc)
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Mr. Dave Deaner
Division of Clean Water Programs
Underground Storage Tank Cleanup Fund
State Water Resources Control Board
P.O. Box 944212
Sacramento, CA 94244-2120

J. Crowley, L. Davis (w/original enc), Database (enc)

LD:lk:FL9482az

January 13, 1997

Mr. John West
Regional Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, CA 94612

Dear Mr. West:

Subject: Request for Case Closure Concurrence—Underground Storage Tank Program Case No. 11-087, Milligan News, 150 Autumn Street, San Jose, CA

This requests your concurrence on case closure for the subject fuel leak case. Enclosed for your review is a case closure summary. Please provide comment to the Santa Clara Valley Water District (District) casehandler within 30 days from the receipt of this letter. If we have not received comment from you within that time frame, the District will issue a case closure letter for the subject case.

As you know, the District has entered into agreement with the State Water Resources Control Board to provide regulatory oversight for leaking underground fuel storage tanks. The terms of the agreement require the District to issue case closure letters after appropriate remediation for cases where soil and/or groundwater has been impacted. District evaluation of case closure is consistent with the San Francisco Bay Region, Regional Water Quality Control Board Water Quality Control Plan (Basin Plan) requirements and guidance.

Please contact Mr. Lane Davis at the Camden Office, (408) 927-0710, extension 2698, with any questions or comments that arise as you proceed with review of this proposed case closure.

Sincerely,

ORIGINAL SIGNED BY

James S. Crowley, P.E.
Associate Civil Engineer
Leaking Underground Storage Tank Oversight Program

Enclosure

cc: Mr. Jim Blamey
Santa Clara County Health Department
2220 Moorpark Avenue
San Jose, CA 95128-2690

J. Crowley, Database, L. Davis (w/enc)

LD:fd:FL9484ip

Santa Clara Valley Water District

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK PROGRAM

I. AGENCY INFORMATION

Date: January 7, 1997

Agency Name: Santa Clara Valley Water District	Address: 5750 Almaden Expressway
City/State/Zip: San Jose, CA 95118	Phone: (408) 265-2600
Responsible Staff Person: Lane R. Davis	Title: Assistant Engineer

II. CASE INFORMATION

Site Facility Name: Milligan News		
Site Facility Address: 150 Autumn Street, San Jose, CA		
RB LUSTIS Case No.: —	Local Case No.: 07S1E07K03f	LOP Case No.: 11-087
URF Filing Date: 10/28/88	SWEEPS No.: —	APN: 259-29-070

Responsible Parties	Addresses	Phone Numbers
Mr. Jack Gillis—Milligan News	150 North Autumn Street, San Jose, CA 95110	(408) 298-3322

Tank I.D. No	Size in Gallons	Contents	Closed In-Place/Removed?	Date
1,2	10,000	Gasoline	Removed	04/21/89
Piping			Removed	04/21/89

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown		
Site characterization complete? Yes	Date Approved By Oversight Agency: —	
Monitoring wells installed? Yes	Number: 13	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 13[1]	Lowest Depth: 50[2]	Flow Direction: NE
Most Sensitive Current Use: Potential drinking water		

[1]Depth to shallow water bearing zone
[2]Depth to second water bearing zone

Summary of Production Wells in Vicinity: One production well lies cross-gradient of this site; the method of destruction is unknown. Over 175 monitoring and treatment wells are located downgradient within ½ mile of this site.	
Are drinking water wells affected? No	Aquifer Name: Santa Clara Valley Groundwater Basin
Is surface water affected? No	Nearest SW Name: Los Gatos Creek and Guadalupe River, 200 feet east
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Santa Clara Valley Water District

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	Two steel	Disposal, destination not reported	1989
Piping	Not reported	Disposal, destination not reported	1989
Free Product	None	—	—
Soil	285 cubic yards	Aerated, used for landscaping	1989
Groundwater	7 million	Pump and treat	1990-1992
Barrels	—	—	—

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS—BEFORE AND AFTER CLEANUP

Contaminant	Soil (ppm)		Water (ppb)		Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	20,000	—	34,000,000	11,000	Xylene	2,000	—	300,000	920
TPH (Diesel)	N/A	—	N/A	—	Ethylbenzene	300	—	130,000	180
Benzene	220	—	69,000	34	Oil & Grease	N/A	—	N/A	—
Toluene	1,300	—	190,000	83	Heavy Metals	—	—	—	—
Other (8240/8270)	N/A	—	—	—	MTBE	NA	—	NA	110

Description of Interim Remediation Activities: Overexcavate to 17 feet below ground surface (bgs), groundwater pump and treat, and soil vapor extraction.

N/A - Not applicable
ND = Below detection limit
NA = No analysis
[1]No confirmation samples taken to assess remedial effectiveness

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Santa Clara Valley Water District (District) staff does not make specific determinations concerning public health risk. However, it does not appear that the release would present a risk to human health.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? No		
Monitoring Wells Decommissioned: Yes	Number Decommissioned: 1	Number Retained: 12
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

1988- The Unauthorized Release Form for this site states that the release was discovered as a result of subsurface monitoring at the site, the specifics of the release, and its discovery are unknown.

1989- Two 10,000-gallon gasoline underground storage tanks were removed in April. The tank pit was overexcavated to a depth of 17 feet bgs; 285 cubic yards of petroleum-impacted soil was removed. Excavated soil was aerated and used on site for landscaping. A maximum 22,000 parts per million (ppm) Total Petroleum Hydrocarbons as Gasoline (TPHG) and 220 ppm Benzene was left in place.

1990- Groundwater extraction and soil vapor extraction wells were constructed.

1992- Groundwater extraction was halted after the removal and treatment of 495,000 gallons of groundwater; soil vapor extraction was halted after the removal 8,800 pounds of hydrocarbon vapor.

1993- Groundwater extraction was restarted.

1996- Groundwater extraction was halted; a total of 7 million gallons of groundwater was extracted and treated.

Conclusion: Based upon initial source removal activities, interim remedial actions, and groundwater monitoring data, it appears that a large mass of petroleum-impacted soils have been removed. Residual petroleum hydrocarbon contamination in soil (22,000 ppm TPHG and 220 ppm Benzene) was left after tank removal and overexcavation; due to interim remedial action these concentrations have most likely been reduced. Based upon the results of groundwater monitoring data collected from the subject site, dissolved concentrations of petroleum hydrocarbons currently exist (11,000 parts per billion [ppb] TPHG, 34 ppb Benzene, and 110 ppb Methyl Tertiary Butyl Ether in source area well VW-2); however, dissolved concentrations have been reduced significantly since the inception of interim remedial actions and appear to be localized near this well; groundwater monitoring trends appear to show active attenuation of the dissolved plume and will achieve water quality objectives through natural attenuation.

The investigation was performed in accordance with State and local guidelines. District staff has concluded that a continuing threat to groundwater, human health, and the environment from residual petroleum hydrocarbons does not exist at this site and that Regional Water Quality Control Board objectives have not been compromised. District staff recommends closure for this case.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Lane R. Davis	Title: Assistant Engineer
Signature:	Date: 1-7-97
Approved by: James S. Crowley, P.E.	Title: Associate Civil Engineer
Signature:	Date: 1-7-97

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

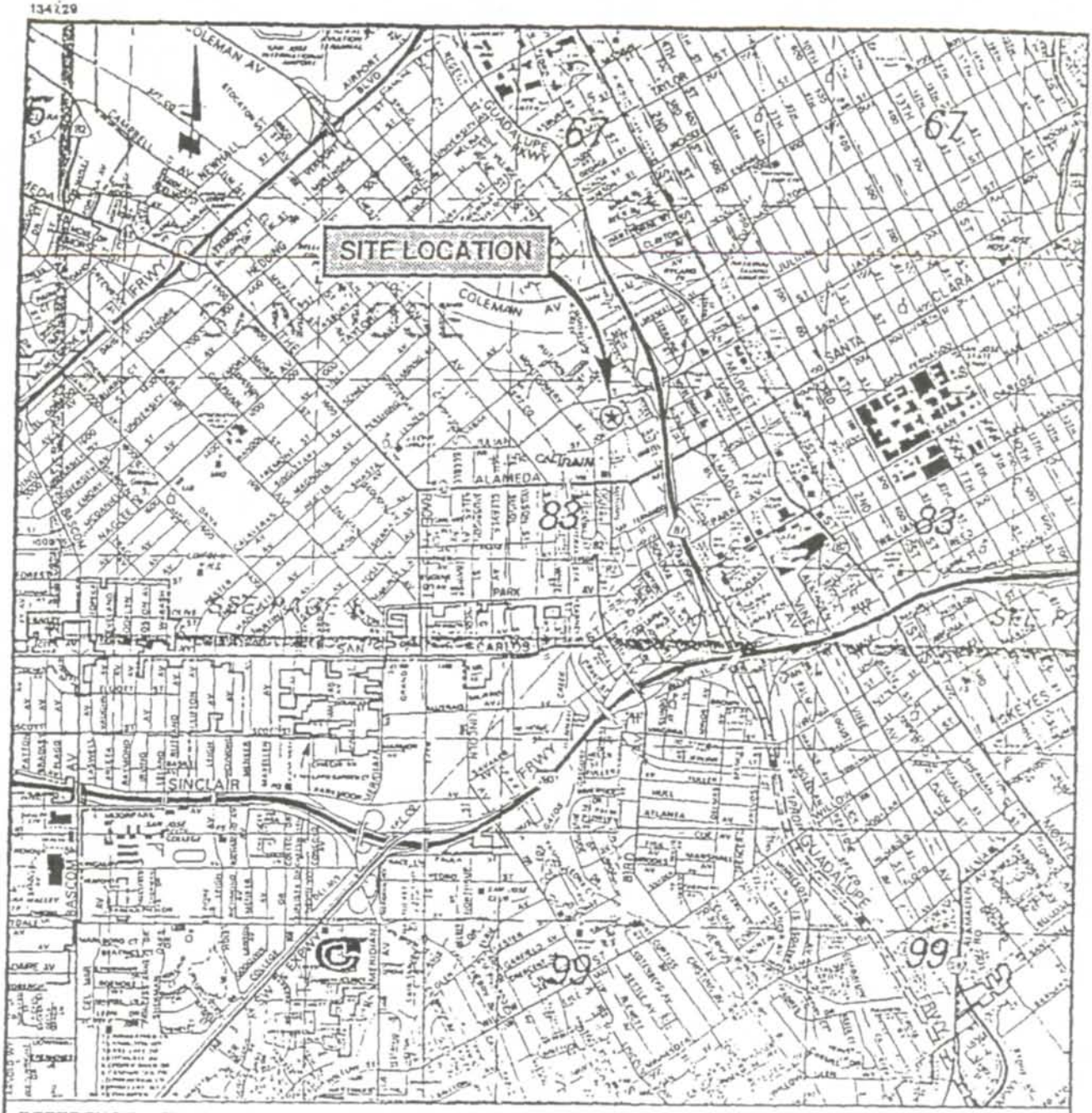
Regional Board Staff Name: John West	Title: E.S. III
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB: 1-15-97
Signature:	Date: 1-16-97

Attachments:

1. Site Maps
2. Soil Analytical Results
3. Groundwater Analytical Results

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

134229



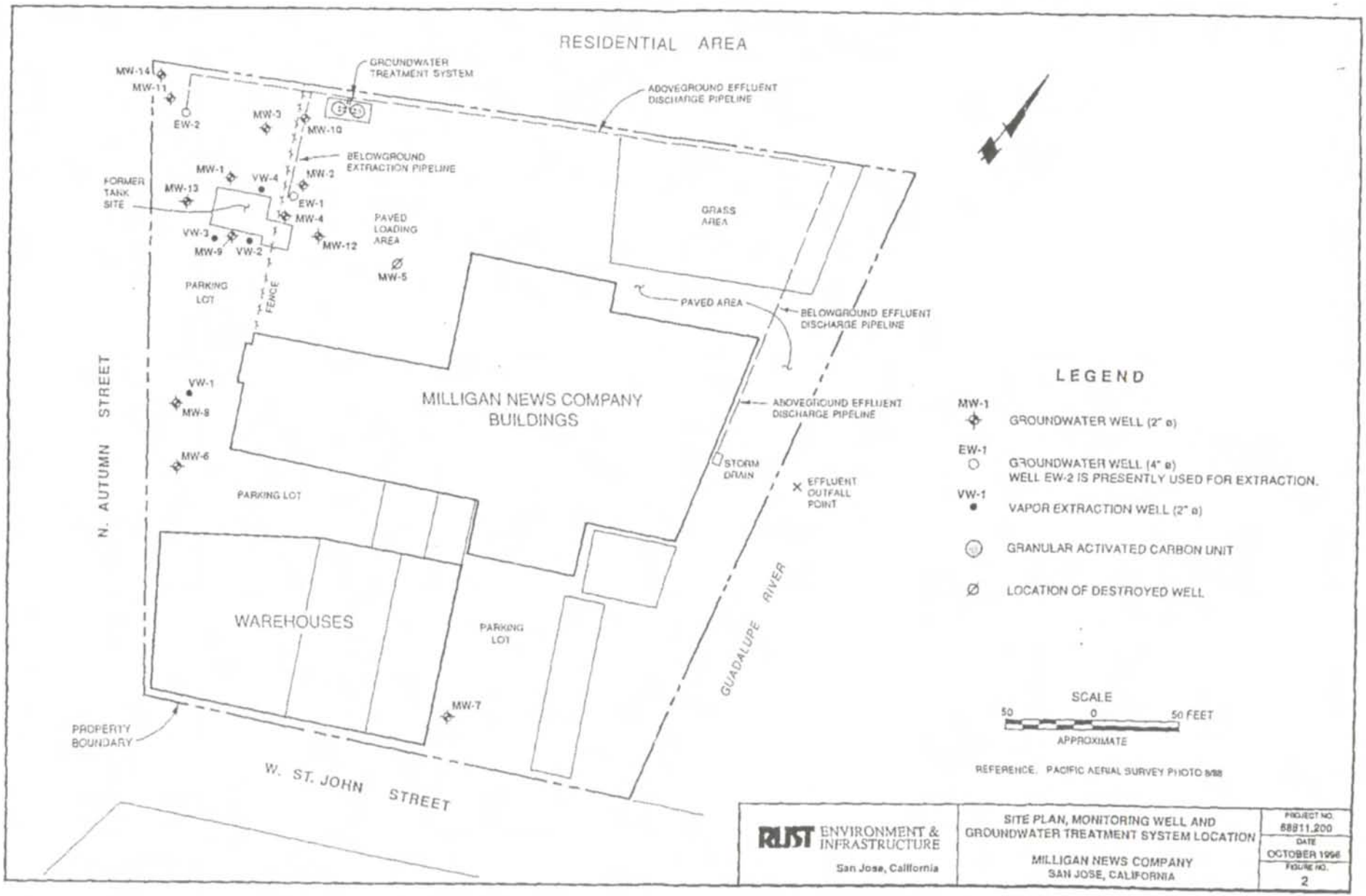
REFERENCE: THOMAS BROS. MAP
SANTA CLARA COUNTY

SCALE

0 1/2 1 MILE

RUST ENVIRONMENT & INFRASTRUCTURE San Jose, California	SITE LOCATION MAP MILLIGAN NEWS COMPANY SAN JOSE, CALIFORNIA	PROJECT NO. 68811.200 DATE OCTOBER 1996 FIGURE NO. 1

ATTACHMENT 1a



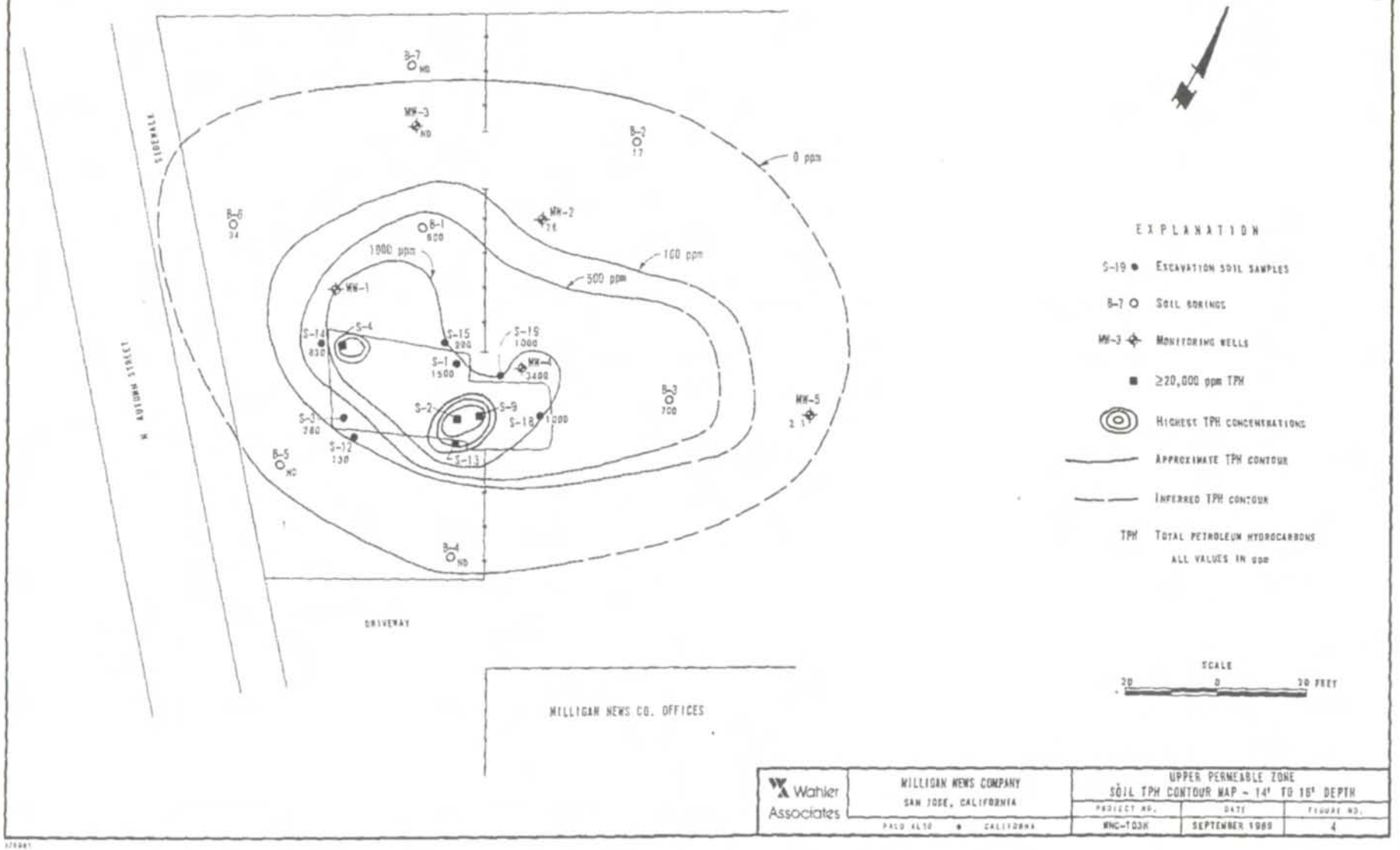
RUST ENVIRONMENT & INFRASTRUCTURE
San Jose, California

SITE PLAN, MONITORING WELL AND GROUNDWATER TREATMENT SYSTEM LOCATION

MILLIGAN NEWS COMPANY
SAN JOSE, CALIFORNIA

PROJECT NO. 68811.200
DATE OCTOBER 1996
FIGURE NO. 2

ATTACHMENT 2



Wahler Associates	MILLIGAN NEWS COMPANY SAN JOSE, CALIFORNIA PALO ALTO • CALIFORNIA	UPPER PERMEABLE ZONE SOIL TPH CONTOUR MAP ~ 14' TO 16' DEPTH		
		PROJECT NO.	DATE	FIGURE NO.
		MNC-703K	SEPTEMBER 1989	4

TABLE 4

SUMMARY OF TANK EXCAVATION CHEMICAL ANALYSIS - TPH
(all results in ppm)

Samples I.D.	TPH Concentration	Top of 6-Inch Sample Depth
S-1	1,500	14'
S-2	22,000	14'
S-3	280	14'
S-4	21,000	14'
S-5	ND	20'
S-6	200	20'
S-7	ND	27'
S-8	5,700	3'
S-9	20,000	12'
S-10	37	16'
S-12	130	14'
S-13	16,000	14'
S-14	830	14'
S-15	990	14'
S-16	23	14'
S-18	1,000	16'
S-19	1,000	16'

Note: ND = Non- detected at the 10 ppm detection limit used.

All excavation soil samples are not shown on Figure 4 (which is limited to 14 to 16 foot depths), but they were all located within the tank excavation area or within two feet of the excavation sidewalls.

1989 TANK PULL AND OVEREXCAVATION

TABLE 2
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR SOIL
(MAY 1989 TO MARCH 1995)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

Well Number	Sample Number	Sample Depth (Feet bgs)	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
B-1	B-1,R-4	16.0	5/4/89	Superior	600	0.296	2.8	1.8	14[1]
	B-1,R-5	19.0	5/4/89	Superior	ND(1)	0.260	0.008	0.023	0.006[1]
	B-1,R-10	36.0	5/4/89	Superior	5	0.680	0.150	0.130	0.530[1]
B-2	B-2,R-14	16.0	5/4/89	Superior	17	0.130	0.100	0.330	1.3[1]
	B-2,R-15	21.0	5/4/89	Superior	ND(1)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)[1]
	B-2,R-16	26.0	5/4/89	Superior	ND(1)	0.035	0.003	ND(0.003)	ND(0.003)[1]
B-3	B-3,R-19	16.0	5/4/89	Superior	700	0.640	4.3	3.8	22[1]
	B-3,R-20	21.0	5/4/89	Superior	ND(1)	0.031	0.032	0.011	0.040[1]
	B-3,R-21	26.0	5/4/89	Superior	ND(1)	0.007	0.005	ND(0.003)	ND(0.003)[1]
B-4	B-4,R-24	15.5	5/8/89	Superior	ND(1)	0.250	0.006	ND(0.003)	0.110[1]
	B-4,R-25	20.4	5/8/89	Superior	ND(1)	0.140	0.036	0.016	0.036[1]
	B-4,R-26	25.3	5/8/89	Superior	ND(1)	0.005	0.008	0.004	0.013[1]
B-5	B-5,R-35	15.3	5/8/89	Superior	ND(1)	0.100	0.011	0.017	0.120[1]
	B-5,R-36	20.7	5/8/89	Superior	ND(1)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)[1]
	B-5,R-37	25.6	5/8/89	Superior	1	0.075	0.071	0.031	0.380[1]
B-6	B-6,R-30	15.3	5/8/89	Superior	34	0.430	0.027	0.630	1.1[1]
	B-6,R-31	20.6	5/8/89	Superior	ND(1)	ND(0.003)	0.008	ND(0.003)	0.008[1]
	B-6,R-32	25.7	5/8/89	Superior	2	ND(0.003)	0.035	0.060	0.480[1]
B-7	B-7,R-40	15.7	5/8/89	Superior	ND(1)	ND(0.003)	ND(0.003)	ND(0.003)	0.009[1]
	B-7,R-41	20.9	5/8/89	Superior	ND(1)	ND(0.003)	0.005	ND(0.003)	0.017[1]
	B-7,R-42	26.0	5/8/89	Superior	ND(1)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)[1]
B-8	B-8,R-101	11.0	7/28/89	Acurex	ND(0.500)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)[1]
MW-2	MW-2,R-45	16.0	5/9/89	Superior	28	0.530	0.110	0.380	1.9[1]
	MW-2,R-49	36.0	5/9/89	Superior	320	0.260	0.860	0.240	5.0[1]

TABLE 2
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR SOIL
(MAY 1989 TO MARCH 1995)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

Well Number	Sample Number	Sample Depth (Feet bgs)	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	MW-2,R-52	56.0	5/9/89	Superior	ND(10)	ND(0.003)	ND(0.003)	ND(0.003)	0.0049[1]
MW-3	MW-3,R-54	16.0	5/10/89	Superior	ND(10)	0.420	0.057	0.460	0.710[1]
	MW-3,R-58	35.0	5/10/89	Superior	ND(10)	0.0037	0.0039	ND(0.003)	0.024[1]
	MW-3,R-61	51.0	5/10/89	Superior	ND(10)	0.0074	0.0068	ND(0.003)	0.0089[1]
MW-4	MW-4,R-73	6.0	5/25/89	Acurex	1.3[2]	ND(0.005)	0.012	ND(0.005)	ND(0.005)
	MW-4,R-74	11.0	5/25/89	Acurex	6	0.230	ND(0.035)	0.080	0.170
	MW-4,R-75	16.0	5/25/89	Acurex	3400	ND(5)	81	48	240
	MW-4,R-76	20.8	5/25/89	Acurex	20,000	220	1400	240	1800
	MW-4,R-77	31.0	5/25/89	Acurex	1	0.039	0.0081	ND(0.005)	ND(0.005)
	MW-4,R-78	36.0	5/25/89	Acurex	450	ND(2.5)	5	28	21
	MW-4,R-79	45.5	5/25/89	Acurex	0.800	0.021	0.049	ND(0.005)	0.048
	MW-4,R-80	50.2	5/25/89	Acurex	ND(0.500)	ND(0.005)	0.010	ND(0.005)	0.0056
	MW-4,R-81	53.0	5/25/89	Acurex	ND(0.500)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
MW-5	MW-5,R-64	16.0	7/24/89	Acurex	2.1[2]	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	MW-5,R-68	36.0	7/24/89	Acurex	ND(0.500)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	MW-5,R-70	46.0	7/24/89	Acurex	ND(0.500)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
MW-6	MW-6,R-84	15.5	7/26/89	Acurex	2.5[2]	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
MW-7	MW-6,R-98	34.5	7/27/89	Acurex	ND(0.500)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
MW-8	MW-8,L-23	16.0	3/16/90	Sequoia	ND(1)	0.0064	0.025	0.0093	0.022
	MW-8,L-24	20.2	3/16/90	Sequoia	ND(1)	ND(0.005)	0.0082	0.0096	0.022
	MW-8,L-27	36.0	3/16/90	Sequoia	ND(1)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	MW-31,L-31	56.0	3/16/90	Sequoia	ND(1)	ND(0.005)	ND(0.005)	0.005	0.020
MW-9	MW-9,L-13	16.0	3/13/90	Sequoia	470	0.910	8.5	5	37
	MW-9,L14	20.5	3/13/90	Sequoia	88	3	7.2	1.2	6

TABLE 2
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR SOIL
(MAY 1989 TO MARCH 1995)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

Well Number	Sample Number	Sample Depth (Feet bgs)	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	MW-9,L-17	35.5	3/13/90	Sequoia	10	0.011	0.025	0.010	0.110
	MW-9,L-20	56.0	3/13/90	Sequoia	ND(1)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
MW-10	MW-10,L-3	15.5	3/12/90	Sequoia	13	0.018	0.052	0.087	0.530
	MW-10,L-4	20.5	3/12/90	Sequoia	ND(1)	0.0053	ND(0.005)	ND(0.005)	0.011
	MW-10,L-7	35.5	3/12/90	Sequoia	ND(1)	ND(0.005)	ND(0.005)	ND(0.005)	0.0086
	MW-10,L-10	56.0	3/12/90	Sequoia	ND(1)	0.005	ND(0.005)	ND(0.005)	0.010
MW-11	MW-11,L-3	15.7	6/29/90	Natex	ND(1)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	MW-11,L-6	31.0	6/29/90	Natex	ND(1)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	MW-11,L-8	44.5	6/29/90	Natex	ND(1)	0.0093	ND(0.005)	ND(0.005)	0.0083
MW-12	SB12-1	5.5	3/8/95	Sequoia	ND(1)	ND(0.005)	0.0088	ND(0.005)	0.012[4]
	SB12-3	15.5	3/8/95	Sequoia	5.6	ND(0.005)	ND(0.005)	ND(0.005)	0.037[3]
MW-13	SB13-1	5.5	3/8/95	Sequoia	ND(1)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	SB13-2	10.5	3/8/95	Sequoia	ND(1)	ND(0.005)	ND(0.005)	ND(0.005)	0.0078[4]
MW-14	SB14-1	5.5	3/7/95	Sequoia	ND(1)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	SB14-2	10.5	3/7/95	Sequoia	ND(1)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	SB14-5	25.5	3/7/95	Sequoia	ND(1)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	SB14-6	30.5	3/8/95	Sequoia	ND(1)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	SB14-9	46.0	3/8/95	Sequoia	ND(1)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
EW-1	EW-1,L-3	14.0	3/8/90	Sequoia	ND(1)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.100)
	EW-1,L-4	19.0	3/8/90	Sequoia	270	3.6	10	5.1	27
	EW-1,L-7	34.0	3/8/90	Sequoia	770	0.190	0.790	3.7	24
EW-2	EW-2,L-1	5.5	4/8/91	Sequioa	ND(1)	ND(0.005)	ND(0,005)	ND(0.005)	ND(0.005)
	EW-2,L-2	10.7	4/8/91	Sequioa	ND(1)	ND(0.005)	ND(0,005)	ND(0.005)	ND(0.005)
	EW-2,L-3	16.0	4/8/91	Sequioa	ND(1)	ND(0.005)	ND(0,005)	ND(0.005)	ND(0.005)
	EW-2,L-4	20.5	4/8/91	Sequioa	ND(1)	ND(0.005)	ND(0,005)	ND(0.005)	ND(0.005)

TABLE 2
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR SOIL
(MAY 1989 TO MARCH 1995)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

Well Number	Sample Number	Sample Depth (Feet bgs)	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	EW-2,L-5	26.0	4/8/91	Sequioa	ND(1)	ND(0.005)	ND(0,005)	ND(0.005)	ND(0.005)
	EW-2,L-6	31.0	4/8/91	Sequioa	ND(1)	ND(0.005)	ND(0,005)	ND(0.005)	ND(0.005)
	EW-2,L-7	40.5	4/8/91	Sequioa	ND(1)	ND(0.005)	ND(0,005)	ND(0.005)	ND(0.005)
	EW-2,L-8	45.0	4/8/91	Sequioa	ND(1)	ND(0.005)	ND(0,005)	ND(0.005)	ND(0.005)

NOTES: All measurements in milligrams per kilograms (mg/kg) or approximately parts per million

Feet bgs: Feet below ground surface

TPH-G: Total purgeable petroleum hydrocarbons analyzed by Modified EPA Method 8015

Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analyzed by Modified EPA Method 8020 in conjunction with TPH-G, unless otherwise noted.

ND(0.005): Not detected at, or above the value stated in parentheses.

Superior: Superior Analytical Laboratory of San Francisco, California.

Acurex: Acurex Corporation of Mountain View, California.

Sequoia: Sequoia Analytic Laboratory of Redwood City, California.

Natex: National Express Laboratories, Inc., (formerly Acurex) of Mountain View, California.

(1): BTEX analyzed by EPA Method 8020.

(2): Note on laboratory report stated "unidentified hydrocarbons pattern quantitated as gasoline."

(3): Note on laboratory report stated "Weathered Gas C6-C12".

(4): Note on laboratory reported stated "Gas".

ATTACHMENT 3

TABLE 3
SUMMARY OF MOST RECENT PETROLEUM HYDROCARBON RESULTS FOR GROUNDWATER
(MARCH 1996)

Well Number	Sample Number	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-1	MW-1	3/28/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-2	MW-2	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-3	MW-3	3/28/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-4	MW-4	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-6	MW-6	NT	NT	NT	NT	NT	NT	NT
MW-7	MW-7	NT	NT	NT	NT	NT	NT	NT
MW-8	MW-8	NT	NT	NT	NT	NT	NT	NT
MW-9	MW-9	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-10[4]	MW-10	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-11	MW-11	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-12[4]	MW-12	3/26/96	Sequoia	ND(50)	1.6	ND(0.50)	ND(0.50)	ND(0.50)
MW-14	MW-14	3/28/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
EW-1	EW-1	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
EW-2	EW-2	3/28/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
VW-1	VW-1	NT	NT	NT	NT	NT	NT	NT
VW-2	VW-2	3/26/96	Sequoia	11,000	34	83	180	920[2][3]
VW-3	VW-3	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
VW-4	VW-4	3/28/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

NOTES:

All measurements in micrograms per liter (μg/L) or approximately parts per billion.
Groundwater extraction from EW-2 started on April 20, 1991 and continued through April 1996.
Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analyzed by Modified EPA Method 8020 in conjunction with TPH-G.

TABLE 3

SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR GROUNDWATER
(MARCH 1996)

Notes (continued):

TPH-G: Total purgeable petroleum hydrocarbons analyzed by Modified EPA Method 8015 and quantified against a fresh gasoline standard.
ND(5): Not detected at, or above the value stated in parenthesis.
NT: Not tested.

(1) Sequoia Analytical Laboratory of Redwood City, California.
(2) Note on laboratory report stated "Gas".
(3) Note on groundwater sampling form stated "water has gas smell and sheen".
(4) Total dissolved solids analyzed for MW-10 and MW-12 were 830 mg/L and 920 mg/L, respectively.

TABLE 1
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR GROUNDWATER
(MAY 1989 TO MARCH 1996)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

Well Number	Sample Number	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
PERCHED ZONE								
MW-1	MW-1	8/31/90	Chromalab	34,000,000	69,000	190,000	130,000	300,000[4]
	MW-1	5/6/91		NT	NT	NT	NT	NT[8]
	MW-1	2/25/93	Sequoia	600	ND(0.50)	3.3	4.8	38[13]
	MW-1	8/13/93	Sequoia	100	2.8	ND(0.50)	1.3	0.78[15][3]
	MW-1	11/24/93	Sequoia	520	15	4.3	6.1	11[15]
	MW-1	2/18/94	Sequoia	60	2.1	0.53	1.1	3.4[23]
	MW-1	5/10/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-1	8/29/94	Sequoia	510	106	5.0	ND(0.50)	8.4[15]
	MW-1	12/27/94	Sequoia	4,500	18	17	35	360[20][28]
	MW-1	3/9/95	Sequoia	140	25	ND(0.50)	ND(0.50)	ND(0.50)[15][29]
	MW-1	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-1	9/25/95	Sequoia	99	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[36]
	MW-1	12/11/95	Sequoia	ND(50)	1.2	ND(0.50)	ND(0.50)	ND(0.50)
	MW-1	3/28/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
VW-1	VW-1	7/3/90	Natex	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	VW-1	5/6/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	VW-1	2/23/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	VW-1	8/16/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	VW-1	11/23/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	VW-1	5/10/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	VW-1	8/29/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	VW-1	12/27/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

TABLE 1
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR GROUNDWATER
(MAY 1989 TO MARCH 1996)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

Well Number	Sample Number	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	VW-1	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
VW-2	VW-2	5/6/91		NT	NT	NT	NT	NT[9]
	VW-2	2/24/93	Sequoia	9,700	160	920	530	7,200[12][20]
	VW-2	8/13/93	Sequoia	14,000	100	100	120	1,600[15][20]
	VW-2	11/24/93	Sequoia	31,000	150	160	130	1,500[15][20]
	VW-2	2/18/94	Sequoia	41,000	69	730	540	6,200[23][20]
	VW-2	5/10/94	Sequoia	48,000	ND(0.50)	700	630	7,100[15]
	VW-2	8/25/94	Sequoia	55,000	160	ND(20)	ND(20)	5,200[15]
	VW-2	12/27/94	Sequoia	49,000	ND(100)	2,400	940	9,700[15]
	VW-2	3/9/95	Sequoia	21,000	71	190	280	2,100[15][20]
	VW-2	6/12/95	Sequoia	12,000	ND(0.50)	ND(0.50)	64	610[20][33][34]
	VW-2	9/25/95	Sequoia	15,000	ND(0.50)	100	180	1,200[20][28]
	VW-2	3/26/96	Sequoia	11,000	34	83	180	920[15][20]
MW-12	MW-12	3/14/95	Sequoia	61	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[31]
	MW-12	6/12/95	Sequoia	57	2.0	ND(0.50)	ND(0.50)	ND(0.50)[34]
	MW-12	9/25/95	Sequoia	ND(50)	2.0	ND(0.50)	ND(0.50)	ND(0.50)
	MW-12	12/11/95	Sequoia	ND(50)	0.81	ND(0.50)	ND(0.50)	ND(0.50)
	MW-12	3/26/96	Sequoia	ND(50)	1.6	ND(0.50)	ND(0.50)	ND(0.50)
MW-13	MW-13	3/14/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-13	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[34]
	MW-13	9/25/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[34]

TABLE I
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR GROUNDWATER
(MAY 1989 TO MARCH 1996)
MILLIGAN NEWS COMPANY, INC.
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Well Number	Sample Number	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	MW-13	3/26/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
SHALLOW ZONE								
MW-2	MW-2	5/15/89	Superior	ND(1,000)	1.2	1.3	ND(0.3)	2.1[5]
	MW-2	8/7/89	Acurex	400	36	8.7	ND(0.5)	2.0
	MW-2	2/22/90	Sequoia	13,000	2,500	1,000	ND(0.30)	3,000
	MW-2	7/5/90	Natex	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-2	8/30/90	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-2	10/24/90	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-2	11/19/90	Chromalab	130	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-2	1/3/91	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-2	5/6/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-2	6/10/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-2	2/24/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-2	8/12/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-2	11/23/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-2	5/9/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-2	8/25/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-2	12/27/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[20]
	MW-2	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-2	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-3	MW-3	4/9/90	Mid-Pacific	8,900	450	410	41	1,000
	MW-3	7/5/90	Natex	1,300	44	42	18	26

TABLE 1
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(MAY 1989 TO MARCH 1996)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

Well Number	Sample Number	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	MW-3	8/30/90	Chromalab	1,200	69	6.4	12	1.3
	MW-3	10/25/90	Chromalab	900	30	ND(0.5)	ND(0.5)	25
	MW-3	11/19/90	Chromalab	590	6.2	1.7	8.1	ND(0.5)
	MW-3	1/3/91	Chromalab	150	1.2	ND(0.5)	ND(0.5)	ND(0.5)
	MW-3	5/6/91	Natex	ND(50)	0.8	ND(0.5)	0.6	ND(0.5)
	MW-3	6/11/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-3	8/26/91	Natex	65	ND(0.50)	ND(0.50)	1.2	ND(0.50)[10]
	MW-3	9/30/91	Natex	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-3	2/24/93	Sequoia	ND(50)	ND(0.50)	0.98	ND(0.50)	ND(0.50)
	MW-3	8/16/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-3	5/10/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-3	11/23/93	Sequoia	110	1.7	2.0	1.2	1.2[15]
	MW-3	8/25/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-3	12/27/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-3	3/9/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-3	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[34]
	MW-3	3/28/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-4	MW-4	7/31/89	Acurex	5,400	610	31	12	800
	MW-4	2/22/90	Sequoia	1,400	17	0.63	ND(0.30)	16
	MW-4	7/5/90	Natex	200	22	4.3	0.9	ND(0.5)
	MW-4	8/30/90	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-4	10/24/90	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-4	11/19/90	Chromalab	ND(50)	2.5	ND(0.5)	ND(0.5)	ND(0.5)

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MILLIGAN NEWS COMPANY, INC.
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Well Number	Sample Number	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	MW-4	1/3/91	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-4	5/3/91	Natex	ND(50)	1.2	ND(0.5)	ND(0.5)	ND(0.5)
	MW-4	6/10/91	Natex	ND(50)	0.8	ND(0.5)	ND(0.5)	ND(0.5)
	MW-4	8/26/91	Natex	ND(50)	0.69	ND(0.50)	ND(0.50)	ND(0.50)
	MW-4	9/30/91	Natex	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-4	2/23/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-4	8/13/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-4	11/23/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-4	5/9/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-4	8/25/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-4	12/27/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-4	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-4	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-5	MW-5	7/31/89	Acurex	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-5	2/22/90	Sequoia	ND(30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
	MW-5	7/3/90	Natex	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-5	8/30/90	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-5	5/3/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-5	6/10/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-5	2/22/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-5 Well Destroyed on April 22, 1993								
MW-6	MW-6	7/31/89	Acurex	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

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Well Number	Sample Number	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	MW-6	2/22/90	Sequoia	ND(30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
	MW-6	7/3/90	Natex	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-6	5/2/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-6	2/23/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-6	8/17/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-6	11/23/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-6	12/27/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-7	MW-7	7/31/89	Acurex	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-7	7/3/90	Natex	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-7	5/2/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-7	2/22/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-7	8/17/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-7	11/24/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-7	12/27/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-8	MW-8	3/16/90	Mid-Pacific	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-8	7/3/90	Natex	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-8	8/30/90	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-8	5/2/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-8	2/23/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-8	8/16/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-8	11/23/93	Sequoia	87	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[21]
	MW-8	2/21/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

TABLE 1
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR GROUNDWATER
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Well Number	Sample Number	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	MW-8	5/9/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-8	8/24/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-8	12/27/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-8	3/9/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-8	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-9	MW-9	3/16/90	Mid-Pacific	500	8.3	ND(0.5)	ND(0.5)	20
	MW-9	7/3/90	Natex	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-9	8/30/90	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-9	10/24/90	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-9	11/19/90	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-9	1/3/91	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-9	5/6/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-9	6/10/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-9	2/24/93	Sequoia	360	ND(0.50)	1.1	7.0	1.5[12]
	MW-9	8/13/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[5]
	MW-9	11/24/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-9	5/10/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-9	8/29/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-9	12/27/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-9	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-9	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-10	MW-10	3/16/90	Mid-Paciifc	17,000	770	300	ND(10.0)	990

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	MW-10	7/5/90	Natex	200	15	2.2	1.1	0.8
	MW-10	8/30/90	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-10	10/24/90	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-10	11/19/90	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-10	1/3/91	Chromalab	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-10	5/6/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-10	6/12/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	MW-10	2/24/93	Sequoia	81	ND(0.50)	1.8	ND(0.50)	ND(0.50)[15]
	MW-10	8/12/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-10	11/23/93	Sequoia	ND(50)	ND(0.50)	0.89	ND(0.50)	1.7
	MW-10	5/10/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-10	8/25/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-10	3/9/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-10	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-11	MW-11	7/3/90	Natex	2,000	59	7.4	ND(1.0)	9.4
	MW-11	8/30/90	Chromalab	3,200	390	9.8	43	5.4
	MW-11	10/25/90	Chromalab	4,100	400	23	130	9.0
	MW-11	11/19/90	Chromalab	3,400	140	5.7	53	2.5
	MW-11	1/3/91	Chromalab	1,200	28	0.7	4.5	ND(0.5)
	MW-11	5/6/91	Natex	640	17	2.3	9.5	ND(0.5)[7]
	MW-11	6/12/91	Natex	230	2.0	1.1	2.0	ND(0.5)
	MW-11	8/26/91	Natex	1,300	20	ND(0.50)	35	5.6
	MW-11	9/30/91	Natex	380	6.4	2.6	9.1	ND(0.50)
	MW-11	2/24/93	Sequoia	230	ND(0.50)	4.3	0.52	0.47[14]

TABLE 1
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR GROUNDWATER
(MAY 1989 TO MARCH 1996)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

Well Number	Sample Number	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	MW-11	8/16/93	Sequoia	52	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-11	11/23/93	Sequoia	110	ND(0.50)	0.80	0.80	4.3[13]
	MW-11	2/21/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-11	5/10/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-11	8/25/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-11	12/27/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-11	3/9/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-11	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-11	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
MW-14	MW-14	3/14/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	MW-14	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[34]
	MW-14	3/28/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
EW-1	EW-1	3/16/90	Mid-Pacific	13,000	220	150	ND(10.0)	740
	EW-1	7/5/90	Natex	1,400	65	48	2.4	60
	EW-1	8/29/90	Chromalab	4,500	110	65	33	170
	EW-1	10/24/90	Chromalab	3,200	69	37	72	41
	EW-1	11/20/90	Chromalab	2,200	20	5.1	19	6.1
	EW-1	1/3/91	Chromalab	2,000	14	4.9	16	4.8
	EW-1	5/6/91	Natex	2,200	44	19	48	59[7]
	EW-1	6/11/91	Natex	1,300	16	14	19	19[3]
	EW-1	8/26/91	Natex	1,400	12	8.0	31	13
	EW-1	10/1/91	Natex	1,200	7.3	8.0	22	15

TABLE 1
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR GROUNDWATER
(MAY 1989 TO MARCH 1996)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

Well Number	Sample Number	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	EW-1	2/22/93	Sequoia	ND(50)	4.4	3.5	ND(0.50)	1.2[16]
	EW-1	8/16/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	EW-1	11/23/93	Sequoia	540	2.7	1.8	4.5	2.7[15]
	EW-1	2/18/94	Sequoia	380	ND(0.50)	0.75	2.0	0.54[23]
	EW-1	5/11/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	EW-1	8/25/94	Sequoia	650	12	4.1	ND(0.50)	6.1
	EW-1	12/27/94	Sequoia	ND(50)	0.57	ND(0.50)	0.54	0.90[25][26][20]
	EW-1	3/9/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[29]
	EW-1	6/12/95	Sequoia	110	3.1	ND(0.50)	0.75	0.54[15]
	EW-1	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
EW-2	EW-2	6/11/91	Natex	2,900	110	9.0	81	7.6
	EW-2	8/27/91	Natex	3,300	240	7.0	180	9.0
	EW-2	9/30/91	Natex	1,900	120	6.5	110	9.2[11]
	EW-2	4/6/92	Sequoia	1,900	190	ND(3.0)	130	ND(3.0)
	EW-2	2/25/93	Sequoia	340	5.4	5.3	1.1	1.0[14]
	I-1-4-19-93	4/19/93	Sequoia	450	4.2	1.7	1.5	3.2[17]
	I-1-4-23-93	4/23/93	Sequoia	330	12	0.62	0.80	0.78(17)
	I-1-5-11-93	5/12/93	Sequoia	210	4.9	ND(0.50)	ND(0.50)	ND(0.50)[14][3]
	I-1-6-7-93	6/7/93	Sequoia	160	0.73	ND(0.50)	ND(0.50)	ND(0.50)[18][1]
	I-1-7-8-93	7/8/93	Sequoia	52	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[19][1]
	I-1-8-12-93	8/12/93	Sequoia	ND(50)	0.85	ND(0.50)	ND(0.50)	ND(0.50)[1]
	EW-2	8/13/93	Sequoia	84	ND(0.50)	ND(0.50)	0.65	0.53[15]
	EW-2	12/1/93	Sequoia	90	4.1	ND(0.50)	ND(0.50)	ND(0.50)[22]

TABLE 1
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR GROUNDWATER
(MAY 1989 TO MARCH 1996)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

Well Number	Sample Number	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	EW-2	2/18/94	Sequoia	ND(50)	4.6	ND(0.50)	ND(0.50)	ND(0.50)[24]
	EW-2	5/11/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	EW-2	8/29/94	Sequoia	99	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[27]
	EW-2	12/27/94	Sequoia	ND(50)	2.3	ND(0.50)	ND(0.50)	ND(0.50)[25][26]
	EW-2	3/9/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	EW-2	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	EW-2	9/25/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	INF	12/11/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	EW-2	3/28/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
VW-3	VW-3	4/26/90	Mid-Pacific	800	16	16	ND(0.5)	150[6]
	VW-3	7/5/90	Natex	300	12	4.4	0.8	57
	VW-3	8/31/90	Chromalab	21,000	250	50	3.0	940[3]
	VW-3	11/20/90	Chromalab	10,000	73	4.3	32	41[1]
	VW-3	1/4/91	Chromalab	1,600	23	ND(0.5)	1.6	4.3
	VW-3	5/6/91	Natex	7,300	480	11	130	190[7][3]
	VW-3	6/12/91	Natex	6,800	330	7.5	110	96[3]
	VW-3	8/27/91	Natex	6,200	360	7.2	98	51
	VW-3	10/1/91	Natex	5,200	380	8.4	88	56
	VW-3	2/24/93	Sequoia	1,200	1.5	9.3	24	43[12]
	VW-3	8/13/93	Sequoia	790	64	3.1	15	4.4[16][20]
	VW-3	11/24/93	Sequoia	560	30	2.8	9.8	5.0[5][15]
	VW-3	2/21/94	Sequoia	700	7.8	ND(0.50)	5.4	ND(0.50)[23][3]
	VW-3	5/10/94	Sequoia	640	20	ND(0.50)	4.8	1.0[15]
	VW-3	8/29/94	Sequoia	730	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

TABLE 1
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR GROUNDWATER
(MAY 1989 TO MARCH 1996)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

Well Number	Sample Number	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	VW-3	12/27/94	Sequoia	340	8.5	ND(0.50)	2.7	1.1[25][26][26]
	VW-3	3/24/94	Sequoia	ND(50)	2.0	ND(0.50)	ND(0.50)	ND(0.50)[30][3]
	VW-3	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[3]
	VW-3	9/25/95	Sequoia	110	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[15]
	VW-3	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
VW-4	VW-4	4/26/90	Mid-Pacific	970,000	900	2,100	ND(250)	12,000[23][6]
	VW-4	7/6/90	Natex	30,000	540	1,600	460	4,000[3]
	VW-4	8/31/90	Chromalab	26,000	420	190	610	70[5]
	VW-4	11/20/90	Chromalab	16,000	230	92	140	120
	VW-4	1/4/91	Chromalab	9,600	200	29	54	48
	VW-4	5/6/91	Natex	8,100	540	140	310	350[7]
	VW-4	6/12/91	Natex	11,000	510	150	390	490[3]
	VW-4	8/27/91	Natex	10,000	760	110	560	510
	VW-4	10/1/91	Natex	9,100	670	110	560	570
	VW-4	2/24/93	Sequoia	5,700	170	10	95	34[13]
	VW-4	8/13/93	Sequoia	1,300	68	5.8	35	14[16]
	VW-4	11/24/93	Sequoia	2,400	76	12	34	21[15]
	VW-4	2/21/94	Sequoia	2,800	400	ND(0.50)	44	5.1[15][5]
	VW-4	5/10/94	Sequoia	1,500	160	ND(0.50)	15	5.6[15]
	VW-4	8/29/94	Sequoia	470	22	4.1	ND(0.50)	4.8[15]
	VW-4	12/27/94	Sequoia	1,300	210	ND(0.50)	22	7.9[25][26][20]
	VW-4	3/9/95	Sequoia	57	2.9	ND(0.50)	ND(0.50)	ND(0.50)[24][15][30]
	VW-4	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)[3]

TABLE 1
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR GROUNDWATER
(MAY 1989 TO MARCH 1996)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

Well Number	Sample Number	Sample Date	Analytical Laboratory	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
	VW-4	9/25/95	Sequoia	370	4.4	ND(0.50)	0.78	0.92[28]
	VW-4	3/28/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trip Blank	Trip Blank	5/2/91	Natex	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
Trip Blank	10-1-91	10/1/91	Natex	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trip Blank	TB-1-11-23-93	11/23/93	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trip Blank	TB-1	2/18/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trip Blank	TB-1	5/4/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trip Blank	TB-82494	8/24/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trip Blank	TB-1	12/27/94	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trip Blank	TB	3/9/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trip Blank	Trip B	3/14/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trip Blank	TB-1	6/12/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trip Blank	TB	9/25/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trip Blank	TB	12/11/95	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trip Blank	TB 326	3/26/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trip Blank	TB 327	3/27/96	Sequoia	ND(50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

NOTES:

All measurements in micrograms per liter (µg/L) or approximately parts per billion.
Groundwater extraction from EW-1 started on 7/1/90 and continued through 7/8/91.
Groundwater extraction from EW-2 started on 4/20/91 and continued through April 1996.
Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analyzed by Modified EPA Method 8020 in conjunction with TPH-G, unless otherwise noted.

TPH-G: Total purgeable petroleum hydrocarbons analyzed by Modified EPA Method 8015
ND(5): Not detected at, or above the value stated in parenthesis.

TABLE 1
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR GROUNDWATER
(MAY 1989 TO MARCH 1996)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

NOTES (Continued):

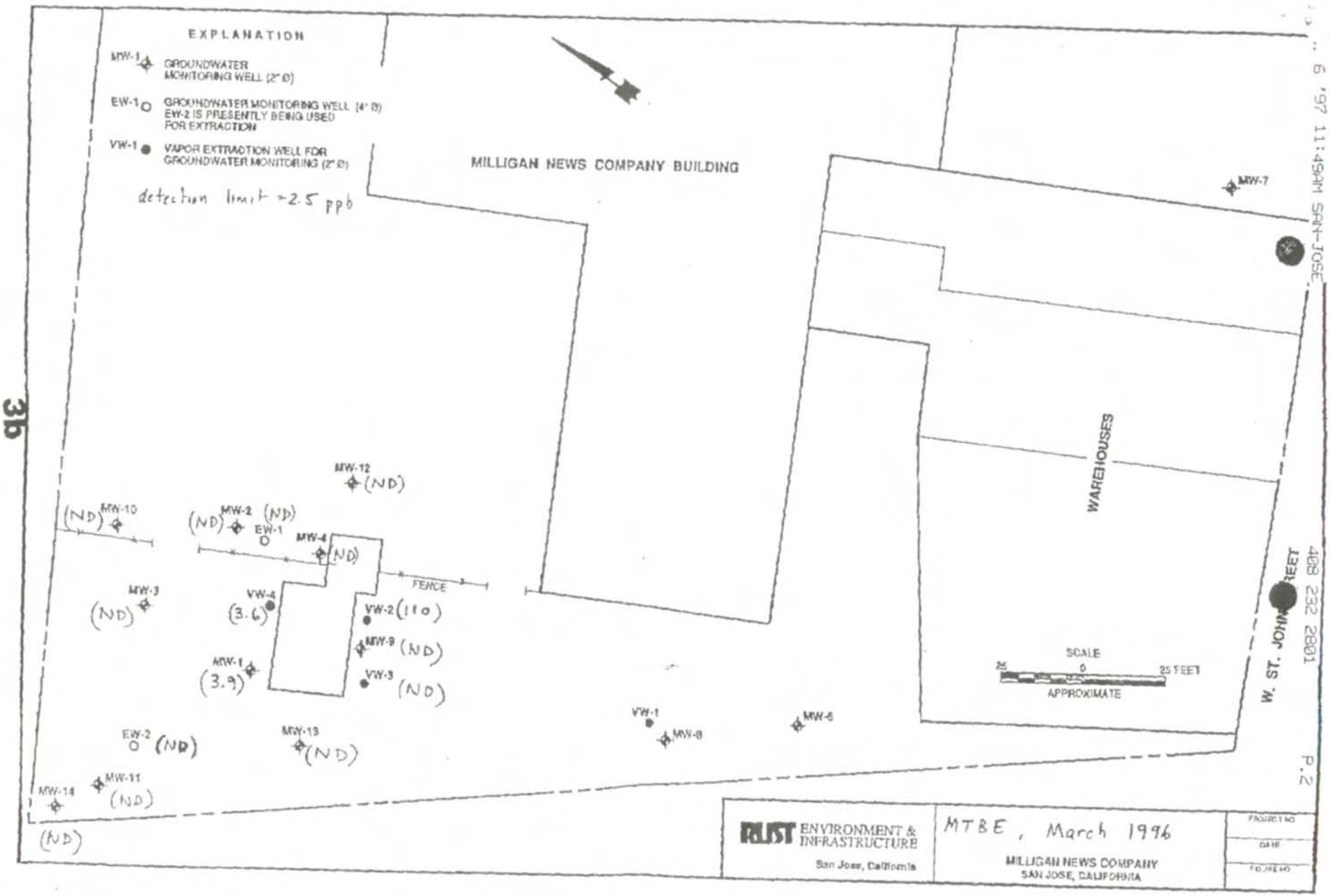
NT: Not tested.
Superior: Superior Analytical Laboratory of San Francisco, California.
Acurex: Acurex Corporation of Mountain View, California.
Chromalab: Chromalab, Inc., of Pleasanton, California.
Sequoia: Sequoia Analytical Laboratory of Redwood City, California.
Mid-Pacific: Mid-Pacific Environmental Laboratory (formerly Acurex) of Mountain View, California.
Natex: National Express Laboratories, Inc., (formerly Mid-Pacific) of Mountain View, California.

(1) BTEX analyzed by EPA Method 8020.
(2) Note on laboratory report stated "some interference from heavier hydrocarbons." Suspected product mixed with sample.
(3) Product odor noted on groundwater sampling form.
(4) Noted on groundwater sampling form: Insufficient water in well to purge. Grab sample collected with approximately 0.1" brown-colored floating product.
(5) Product odor, but no visible product noted on groundwater sampling form.
(6) Suspected grab sample.
(7) Note on laboratory report stated "Gasoline has relatively little toluene."
(8) Noted on groundwater sampling form: Well almost dry - purged approximately 0.25 gallons. Product odor noted.
(9) Noted on groundwater sampling form: "Well contained approximately 0.20 feet water with approximately 0.05 feet brown-colored floating product.
(10) Note on laboratory report stated: "The gasoline reported in MW-3 may not be gasoline. The concentration is too low to give a recognizable pattern".
(11) Note on laboratory report stated: "Samples WE-2 and VW-3: "Benzene concentration is at higher level than is expected for normal gasoline pattern."
(12) Note on laboratory report stated: "Gas and non-gas >C-9."
(13) Note on laboratory report stated: "Gas and non-gas mix >C-9."
(14) Note on laboratory report stated: "Gas and non-gas >C-12."
(15) Note on laboratory report stated: "Gas."
(16) Note on laboratory report stated: "Discrete peaks of gas."
(17) Note on laboratory report stated: "Gas and non-gas C4-C12."
(18) Note on laboratory report stated: "Non-gas C4-C12."
(19) Note on laboratory report stated: "Discrete Peaks."
(20) Product odor and/or visible product (rainbow sheen or oily silt in water) recorded on groundwater sampling form.
(21) Note on laboratory report stated: "Non-Gas Mix >C-8."
(22) Note on laboratory report stated: "Non-Gas Mix C-6-C-12."
(23) Note on laboratory report stated: "Weathered Gas".
(24) Note on laboratory report stated: "Discrete Peak".
(25) Note on laboratory report stated: "Weathered Gas C6-C12+."
(26) Note on laboratory report stated: "Discrete Peak C6."
(27) Note on laboratory report stated: "<C10."

TABLE 1 (Continued)
SUMMARY OF PETROLEUM HYDROCARBON RESULTS FOR GROUNDWATER
(MAY 1989 TO MARCH 1996)
MILLIGAN NEWS COMPANY, INC.
SAN JOSE, CALIFORNIA

NOTES (Continued):

(28) Note on laboratory report stated: "Weathered Gas C6-C12."
(29) Brown water noted on groundwater sampling form.
(30) Note on laboratory report stated: "C6-C7".
(31) Note on laboratory report stated: "Weathered Gas C7-C12".
(32) Gray water notd on groundwater sampling form.
(33) Note on laboratory report stated: "Weathered Gas C8-C12".
(34) Water change from clear to dirty noted on groundwater sampling form.
(35) Water color turned from yellow to clear noted on groundwater sampling form.
(36) Note on laboratory report stated "Unidentified HC, <C8".



Appendix B

EXPLORATORY BORING LOGS

EXPLORATORY BORING LOG

Site Address: 150 N. Autumn Street, San Jose, CA (Milligan)

PID Reading	Blows Per Foot	Sample ID	Depth/ft	Graphic Log	Well Construction	Soil Description
			0			3" of Asphalt, 6" of Aggregate
						Brown Silty Clay, Medium Plasticity, No Odor, Dry (CL)
0			5			
						Light Gray Silty Clay, Medium Plasticity, No Odor, Damp (CL)
		MSB1-10	10			
0						
			15			Light Brown Silty Sand, No Odor, Wet (SM)
0						
			20			Boring Terminated At 20'
0						

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Boring ID: MSB1

Drilling Date: 11/12/19

Project ID: 19-032.12

Drilling Co.: Cascade

Field Personnel: MH

EXPLORATORY BORING LOG

Site Address: 150 N. Autumn Street, San Jose, CA (Milligan)

PID Reading	Blows Per Foot	Sample ID	Depth/ft	Graphic Log	Well Construction	Soil Description
			0			4" of Asphalt
						Brown Silty Clay, Medium Plasticity, No Odor, Dry (CL)
0			5			
4						Light Gray Clayey Silt, Slight Plasticity, HC Odor, Damp (ML)
7		MSB2-10	10			
24			15			Brown Silty Sand, HC Odor, Wet (SM)
123			20			Gray Fine Sand, HC Odor , Wet (SM)
						Boring Terminated At 20'

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Page 1 Of 1	Boring ID: MSB2
Drilling Date: 11/12/19	Project ID: 19-032.12
Drilling Co.: Cascade	Field Personnel: MH

EXPLORATORY BORING LOG

Site Address: 150 N. Autumn Street, San Jose, CA (Milligan)

PID Reading	Blows Per Foot	Sample ID	Depth/ft	Graphic Log	Well Construction	Soil Description
			0			6" of Concrete
						Brown Clayey Silt, Slight Plasticity, No Odor, Damp (ML)
0			5			
0		MSB3-10	10			Dark Brown Clayey Silt, Slight Plasticity, No Odor, Damp (ML)
0			15			Brown Fine Sand, No Odor, Wet (SM)
0			20			Boring Terminated At 20'

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Page 1 Of 1	Boring ID: MSB3
Drilling Date: 11/12/19	Project ID: 19-032.12
Drilling Co.: Cascade	Field Personnel: MH

EXPLORATORY BORING LOG

Site Address: 150 N. Autumn Street, San Jose, CA (Milligan)

PID Reading	Blows Per Foot	Sample ID	Depth/ft	Graphic Log	Well Construction	Soil Description
			0			10" of Concrete
						Brown Clayey Silt, Slight Plasticity, No Odor, Damp (ML)
0			5			
0		MSB4-10	10			Light Gray Clayey Silt, Slight Plasticity, No Odor, Moist (ML)
						Silty Clay, Medium Plasticity, No Odor, Wet (CL)
0			15			Brown Fine Sand, No Odor, Wet (SM)
						Brown Silty Clay, Medium Plasticity, No Odor, Wet (CL)
0			20			Gravely Sand, No Odor, Wet (SP)
						Boring Terminated At 20'

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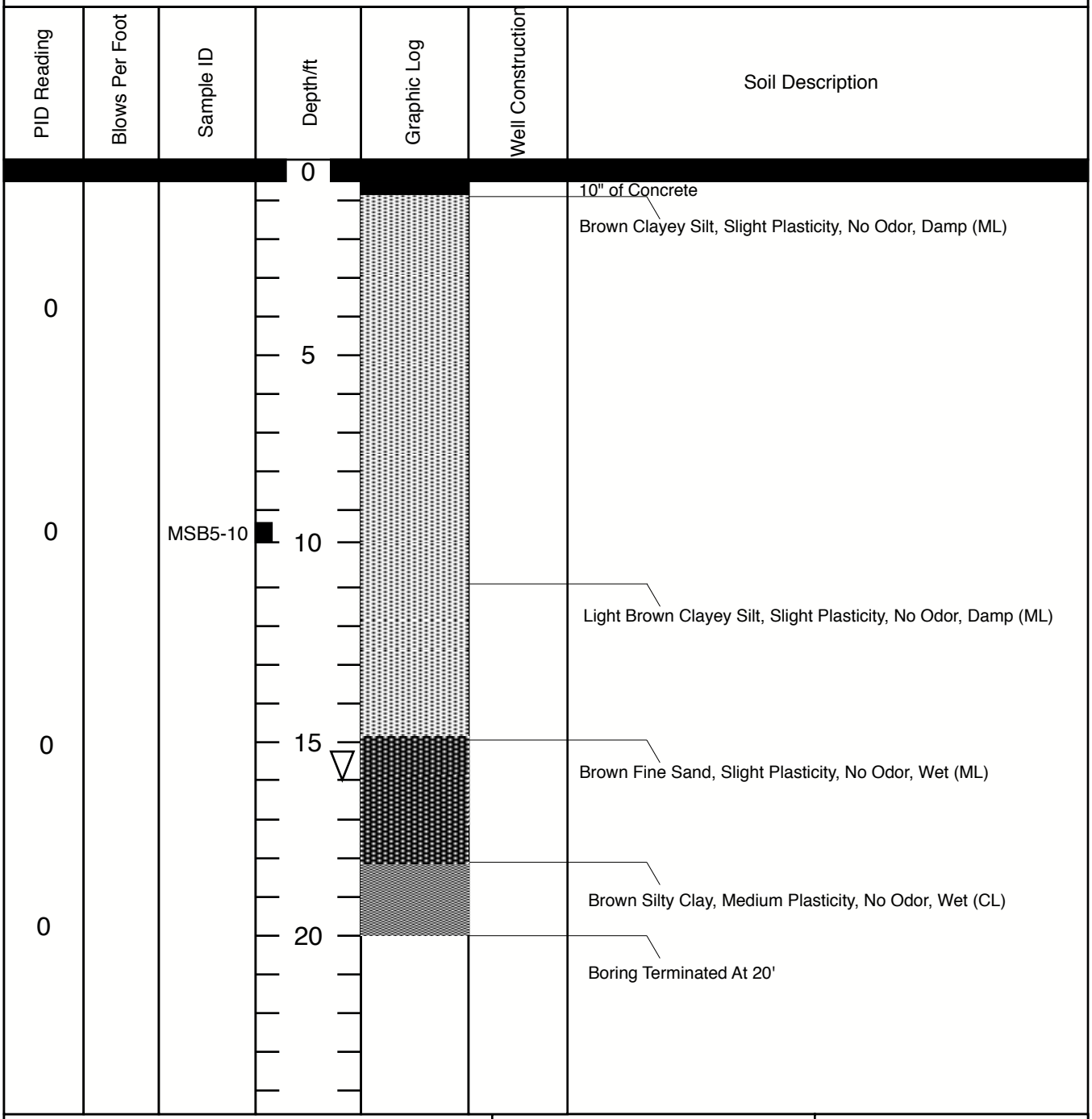
Page 1 Of 1	Boring ID: MSB4
Drilling Date: 11/12/19	Project ID: 19-032.12
Drilling Co.: Cascade	Field Personnel: MH

EXPLORATORY BORING LOG

Site Address: 150 N. Autumn Street, San Jose, CA (Milligan)



ENVIROCOM
PO Box 28310, San Jose, CA 95138
P: 408-894-9062 F: 408-894-9063

Page 1 Of 1	Boring ID: MSB5
Drilling Date: 11/12/19	Project ID: 19-032.12
Drilling Co.: Cascade	Field Personnel: MH

Appendix C

CERTIFIED ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Enthalpy Analytical
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900

enthalpy.com

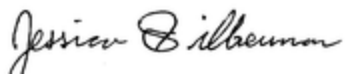
Lab Job Number: 315809
Report Level: II
Report Date: 11/27/2019

Analytical Report *prepared for:*

Mitch Hajiaghai
Envirocom
800 Charcot Avenue
Suite 114
San Jose, CA 95131

Project: 19-032.12 - Milligan

Authorized for release by:



Jess Silberman, Project Manager
(510) 204-2223
Jessica.Silberman@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 2896, NELAP# 4044-001

ENTHALPY ANALYTICAL

Sample Summary

Mitch Hajiaghai
Envirocom
800 Charcot Avenue
Suite 114
San Jose, CA 95131

Lab Job #:	315809
Project No:	19-032.12
Location:	Milligan
Date Received:	11/12/19

Sample ID	Lab ID	Collected	Matrix
MSB1-10	315809-001	11/12/19 00:00	Soil
MSB2-10	315809-002	11/12/19 00:00	Soil
MSB3-10	315809-003	11/12/19 00:00	Soil
MSB4-10	315809-004	11/12/19 00:00	Soil
MSB5-10	315809-005	11/12/19 00:00	Soil

Case Narrative

Envirocom	Lab Job Number: 315809
800 Charcot Avenue	Project No: 19-032.12
Suite 114	Location: Milligan
San Jose, CA 95131	Date Received: 11/12/19
Mitch Hajiaghai	

This data package contains sample and QC results for five soil samples, requested for the above referenced project on 11/12/19. The samples were received intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Detection Summary for 315809

Client: Envirocom
Project: 19-032.12
Location Milligan

No detections for MSB1-10, Lab ID 315809-001

Sample ID: MSB2-10 Lab ID: 315809-002

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	29		20	ug/Kg	As Recd	0.9940	EPA 8260B	EPA 5030B

No detections for MSB3-10, Lab ID 315809-003

No detections for MSB4-10, Lab ID 315809-004

No detections for MSB5-10, Lab ID 315809-005

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

315809

ENVIROCOM

CHAIN OF CUSTODY

Project Name: Milligan **Project No:** 19-032.12 **Date:** 11/12/19

Project Location 150 N. Autumn Street, SJ **Client:** City of San Jose **Sampler:** Mitch Hajiaghaei

Sample ID	Date Sampled	Sampling Time	Matrix	N° of Containers	Analysis Requested	Turnaround Time
					TPHG VOCs 8260B	
MSB1-10	11/12/19		Soil	1		24-hour Other ____ Normal
MSB2-10						24-hour Other ____ Normal
MSB3-10						24-hour Other ____ Normal
MSB4-10						24-hour Other ____ Normal
MSB5-10						24-hour Other ____ Normal
						24-hour Other ____ Normal
						24-hour Other ____ Normal
						24-hour Other ____ Normal

NOTES:

Relinquished by	Date	Time	Received by	Date	Time
M Hajiaghaei	11/12/19	15:10	Audrey Hudson	11/12/19	15:10
Audrey Hudson 11/12/19	17:45			11/12/19	17:50

P.O. Box 28310 · San Jose · California · 95159
Phone (408) 894-9062 · Fax (408) 894-9063

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 315809 Client: Environ

Date Received: 11-12-19 Project: Milligan

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☒ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 11-12-19 By (print) JH (sign) [signature]

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☐ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☐ Wet, ☒ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☒ B ☐ C

Cooler Temp (°C): #1: 4.5, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			✓
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 11/13/19 **By (print)** R **(sign)** R

Date Labeled 11/13/19 **By (print)** ZA **(sign)** [signature]

ENTHALPY ANALYTICAL

Total Volatile Hydrocarbons

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MSB1-10 **Basis:** as received **Received:** 11/12/19
Type: SAMPLE **Diln Fac:** 1.000 **Analyzed:** 11/22/19
Lab ID: 315809-001 **Batch#:** 276363 **Prep:** EPA 5030B
Matrix: Soil **Sampled:** 11/12/19 **Analysis:** EPA 8015B

Analyte	Result	RL	Units
Gasoline C7-C12	ND	1.1	mg/Kg

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	91	39-127

Field ID: MSB2-10 **Basis:** as received **Received:** 11/12/19
Type: SAMPLE **Diln Fac:** 1.000 **Analyzed:** 11/22/19
Lab ID: 315809-002 **Batch#:** 276363 **Prep:** EPA 5030B
Matrix: Soil **Sampled:** 11/12/19 **Analysis:** EPA 8015B

Analyte	Result	RL	Units
Gasoline C7-C12	ND	0.93	mg/Kg

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	39-127

Field ID: MSB3-10 **Basis:** as received **Received:** 11/12/19
Type: SAMPLE **Diln Fac:** 1.000 **Analyzed:** 11/22/19
Lab ID: 315809-003 **Batch#:** 276363 **Prep:** EPA 5030B
Matrix: Soil **Sampled:** 11/12/19 **Analysis:** EPA 8015B

Analyte	Result	RL	Units
Gasoline C7-C12	ND	1.1	mg/Kg

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	82	39-127

Field ID: MSB4-10 **Basis:** as received **Received:** 11/12/19
Type: SAMPLE **Diln Fac:** 1.000 **Analyzed:** 11/22/19
Lab ID: 315809-004 **Batch#:** 276363 **Prep:** EPA 5030B
Matrix: Soil **Sampled:** 11/12/19 **Analysis:** EPA 8015B

Analyte	Result	RL	Units
Gasoline C7-C12	ND	1.1	mg/Kg

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	85	39-127

ENTHALPY ANALYTICAL

Total Volatile Hydrocarbons

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MSB5-10 **Basis:** as received **Received:** 11/12/19

Type: SAMPLE **Diln Fac:** 1.000 **Analyzed:** 11/22/19

Lab ID: 315809-005 **Batch#:** 276363 **Prep:** EPA 5030B

Matrix: Soil **Sampled:** 11/12/19 **Analysis:** EPA 8015B

Analyte	Result	RL	Units
Gasoline C7-C12	ND	0.95	mg/Kg

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	92	39-127

Type: BLANK **Matrix:** Soil **Batch#:** 276363 **Prep:** EPA 5030B

Lab ID: QC999985 **Diln Fac:** 1.000 **Analyzed:** 11/22/19 **Analysis:** EPA 8015B

Analyte	Result	RL	Units
Gasoline C7-C12	ND	1.0	mg/Kg

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	89	39-127

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Total Volatile Hydrocarbons: Batch QC

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Type: BS **Matrix:** Soil **Batch#:** 276363 **Prep:** EPA 5030B

Lab ID: QC999986 **Dil'n Fac:** 1.000 **Analyzed:** 11/22/19 **Analysis:** EPA 8015B

Analyte	Spiked	Result	%REC	Limits	Units
Gasoline C7-C12	1.000	0.9644	96	80-122	mg/Kg

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	95	39-127

Type: BSD **Matrix:** Soil **Batch#:** 276363 **Prep:** EPA 5030B

Lab ID: QC999987 **Dil'n Fac:** 1.000 **Analyzed:** 11/22/19 **Analysis:** EPA 8015B

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Gasoline C7-C12	1.000	0.9091	91	80-122	mg/Kg	6	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	94	39-127

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MSB1-10 **Dil'n Fac:** 0.9294 **Analyzed:** 11/19/19

Lab ID: 315809-001 **Batch#:** 276206 **Prep:** EPA 5030B

Matrix: Soil **Sampled:** 11/12/19 **Analysis:** EPA 8260B

Basis: as received **Received:** 11/12/19

Analyte	Result	RL	MDL	Units
Freon 12	ND	9.3		ug/Kg
Chloromethane	ND	9.3		ug/Kg
Vinyl Chloride	ND	9.3	0.2	ug/Kg
Bromomethane	ND	9.3		ug/Kg
Chloroethane	ND	9.3		ug/Kg
Trichlorofluoromethane	ND	4.6		ug/Kg
Acetone	ND	19		ug/Kg
Freon 113	ND	4.6		ug/Kg
1,1-Dichloroethene	ND	4.6		ug/Kg
Methylene Chloride	ND	19		ug/Kg
Carbon Disulfide	ND	4.6		ug/Kg
MTBE	ND	4.6		ug/Kg
trans-1,2-Dichloroethene	ND	4.6		ug/Kg
Vinyl Acetate	ND	46		ug/Kg
1,1-Dichloroethane	ND	4.6		ug/Kg
2-Butanone	ND	9.3		ug/Kg
cis-1,2-Dichloroethene	ND	4.6		ug/Kg
2,2-Dichloropropane	ND	4.6		ug/Kg
Chloroform	ND	4.6		ug/Kg
Bromochloromethane	ND	4.6		ug/Kg
1,1,1-Trichloroethane	ND	4.6		ug/Kg
1,1-Dichloropropene	ND	4.6		ug/Kg
Carbon Tetrachloride	ND	4.6		ug/Kg
1,2-Dichloroethane	ND	4.6		ug/Kg
Benzene	ND	4.6		ug/Kg
Trichloroethene	ND	4.6		ug/Kg
1,2-Dichloropropane	ND	4.6		ug/Kg
Bromodichloromethane	ND	4.6		ug/Kg
Dibromomethane	ND	4.6		ug/Kg
4-Methyl-2-Pentanone	ND	9.3		ug/Kg
cis-1,3-Dichloropropene	ND	4.6		ug/Kg
Toluene	ND	4.6		ug/Kg
trans-1,3-Dichloropropene	ND	4.6		ug/Kg
1,1,2-Trichloroethane	ND	4.6		ug/Kg
2-Hexanone	ND	9.3		ug/Kg
1,3-Dichloropropane	ND	4.6		ug/Kg
Tetrachloroethene	ND	4.6		ug/Kg
Dibromochloromethane	ND	4.6		ug/Kg
1,2-Dibromoethane	ND	4.6		ug/Kg
Chlorobenzene	ND	4.6		ug/Kg
1,1,1,2-Tetrachloroethane	ND	4.6		ug/Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Analyte	Result	RL	MDL	Units
Ethylbenzene	ND	4.6		ug/Kg
m,p-Xylenes	ND	4.6		ug/Kg
o-Xylene	ND	4.6		ug/Kg
Styrene	ND	4.6		ug/Kg
Bromoform	ND	4.6		ug/Kg
Isopropylbenzene	ND	4.6		ug/Kg
1,1,2,2-Tetrachloroethane	ND	4.6		ug/Kg
1,2,3-Trichloropropane	ND	4.6		ug/Kg
Propylbenzene	ND	4.6		ug/Kg
Bromobenzene	ND	4.6		ug/Kg
1,3,5-Trimethylbenzene	ND	4.6		ug/Kg
2-Chlorotoluene	ND	4.6		ug/Kg
4-Chlorotoluene	ND	4.6		ug/Kg
tert-Butylbenzene	ND	4.6		ug/Kg
1,2,4-Trimethylbenzene	ND	4.6		ug/Kg
sec-Butylbenzene	ND	4.6		ug/Kg
para-Isopropyl Toluene	ND	4.6		ug/Kg
1,3-Dichlorobenzene	ND	4.6		ug/Kg
1,4-Dichlorobenzene	ND	4.6		ug/Kg
n-Butylbenzene	ND	4.6		ug/Kg
1,2-Dichlorobenzene	ND	4.6		ug/Kg
1,2-Dibromo-3-Chloropropane	ND	4.6		ug/Kg
1,2,4-Trichlorobenzene	ND	4.6		ug/Kg
Hexachlorobutadiene	ND	4.6		ug/Kg
Naphthalene	ND	4.6		ug/Kg
1,2,3-Trichlorobenzene	ND	4.6		ug/Kg

Surrogate	%REC	Limits
Dibromofluoromethane	120	77-126
1,2-Dichloroethane-d4	107	77-131
Toluene-d8	96	80-120
Bromofluorobenzene	102	80-123

Legend

MDL: Method Detection Limit

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MSB2-10 **Dil'n Fac:** 0.9940 **Analyzed:** 11/19/19

Lab ID: 315809-002 **Batch#:** 276206 **Prep:** EPA 5030B

Matrix: Soil **Sampled:** 11/12/19 **Analysis:** EPA 8260B

Basis: as received **Received:** 11/12/19

Analyte	Result	RL	MDL	Units
Freon 12	ND	9.9		ug/Kg
Chloromethane	ND	9.9		ug/Kg
Vinyl Chloride	ND	9.9	0.2	ug/Kg
Bromomethane	ND	9.9		ug/Kg
Chloroethane	ND	9.9		ug/Kg
Trichlorofluoromethane	ND	5.0		ug/Kg
Acetone	**29**	20		ug/Kg
Freon 113	ND	5.0		ug/Kg
1,1-Dichloroethene	ND	5.0		ug/Kg
Methylene Chloride	ND	20		ug/Kg
Carbon Disulfide	ND	5.0		ug/Kg
MTBE	ND	5.0		ug/Kg
trans-1,2-Dichloroethene	ND	5.0		ug/Kg
Vinyl Acetate	ND	50		ug/Kg
1,1-Dichloroethane	ND	5.0		ug/Kg
2-Butanone	ND	9.9		ug/Kg
cis-1,2-Dichloroethene	ND	5.0		ug/Kg
2,2-Dichloropropane	ND	5.0		ug/Kg
Chloroform	ND	5.0		ug/Kg
Bromochloromethane	ND	5.0		ug/Kg
1,1,1-Trichloroethane	ND	5.0		ug/Kg
1,1-Dichloropropene	ND	5.0		ug/Kg
Carbon Tetrachloride	ND	5.0		ug/Kg
1,2-Dichloroethane	ND	5.0		ug/Kg
Benzene	ND	5.0		ug/Kg
Trichloroethene	ND	5.0		ug/Kg
1,2-Dichloropropane	ND	5.0		ug/Kg
Bromodichloromethane	ND	5.0		ug/Kg
Dibromomethane	ND	5.0		ug/Kg
4-Methyl-2-Pentanone	ND	9.9		ug/Kg
cis-1,3-Dichloropropene	ND	5.0		ug/Kg
Toluene	ND	5.0		ug/Kg
trans-1,3-Dichloropropene	ND	5.0		ug/Kg
1,1,2-Trichloroethane	ND	5.0		ug/Kg
2-Hexanone	ND	9.9		ug/Kg
1,3-Dichloropropane	ND	5.0		ug/Kg
Tetrachloroethene	ND	5.0		ug/Kg
Dibromochloromethane	ND	5.0		ug/Kg
1,2-Dibromoethane	ND	5.0		ug/Kg
Chlorobenzene	ND	5.0		ug/Kg
1,1,1,2-Tetrachloroethane	ND	5.0		ug/Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Analyte	Result	RL	MDL	Units
Ethylbenzene	ND	5.0		ug/Kg
m,p-Xylenes	ND	5.0		ug/Kg
o-Xylene	ND	5.0		ug/Kg
Styrene	ND	5.0		ug/Kg
Bromoform	ND	5.0		ug/Kg
Isopropylbenzene	ND	5.0		ug/Kg
1,1,2,2-Tetrachloroethane	ND	5.0		ug/Kg
1,2,3-Trichloropropane	ND	5.0		ug/Kg
Propylbenzene	ND	5.0		ug/Kg
Bromobenzene	ND	5.0		ug/Kg
1,3,5-Trimethylbenzene	ND	5.0		ug/Kg
2-Chlorotoluene	ND	5.0		ug/Kg
4-Chlorotoluene	ND	5.0		ug/Kg
tert-Butylbenzene	ND	5.0		ug/Kg
1,2,4-Trimethylbenzene	ND	5.0		ug/Kg
sec-Butylbenzene	ND	5.0		ug/Kg
para-Isopropyl Toluene	ND	5.0		ug/Kg
1,3-Dichlorobenzene	ND	5.0		ug/Kg
1,4-Dichlorobenzene	ND	5.0		ug/Kg
n-Butylbenzene	ND	5.0		ug/Kg
1,2-Dichlorobenzene	ND	5.0		ug/Kg
1,2-Dibromo-3-Chloropropane	ND	5.0		ug/Kg
1,2,4-Trichlorobenzene	ND	5.0		ug/Kg
Hexachlorobutadiene	ND	5.0		ug/Kg
Naphthalene	ND	5.0		ug/Kg
1,2,3-Trichlorobenzene	ND	5.0		ug/Kg

Surrogate	%REC	Limits
Dibromofluoromethane	121	77-126
1,2-Dichloroethane-d4	107	77-131
Toluene-d8	95	80-120
Bromofluorobenzene	98	80-123

Legend

MDL: Method Detection Limit

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MSB3-10 **Dil'n Fac:** 0.9416 **Analyzed:** 11/19/19

Lab ID: 315809-003 **Batch#:** 276206 **Prep:** EPA 5030B

Matrix: Soil **Sampled:** 11/12/19 **Analysis:** EPA 8260B

Basis: as received **Received:** 11/12/19

Analyte	Result	RL	MDL	Units
Freon 12	ND	9.4		ug/Kg
Chloromethane	ND	9.4		ug/Kg
Vinyl Chloride	ND	9.4	0.2	ug/Kg
Bromomethane	ND	9.4		ug/Kg
Chloroethane	ND	9.4		ug/Kg
Trichlorofluoromethane	ND	4.7		ug/Kg
Acetone	ND	19		ug/Kg
Freon 113	ND	4.7		ug/Kg
1,1-Dichloroethene	ND	4.7		ug/Kg
Methylene Chloride	ND	19		ug/Kg
Carbon Disulfide	ND	4.7		ug/Kg
MTBE	ND	4.7		ug/Kg
trans-1,2-Dichloroethene	ND	4.7		ug/Kg
Vinyl Acetate	ND	47		ug/Kg
1,1-Dichloroethane	ND	4.7		ug/Kg
2-Butanone	ND	9.4		ug/Kg
cis-1,2-Dichloroethene	ND	4.7		ug/Kg
2,2-Dichloropropane	ND	4.7		ug/Kg
Chloroform	ND	4.7		ug/Kg
Bromochloromethane	ND	4.7		ug/Kg
1,1,1-Trichloroethane	ND	4.7		ug/Kg
1,1-Dichloropropene	ND	4.7		ug/Kg
Carbon Tetrachloride	ND	4.7		ug/Kg
1,2-Dichloroethane	ND	4.7		ug/Kg
Benzene	ND	4.7		ug/Kg
Trichloroethene	ND	4.7		ug/Kg
1,2-Dichloropropane	ND	4.7		ug/Kg
Bromodichloromethane	ND	4.7		ug/Kg
Dibromomethane	ND	4.7		ug/Kg
4-Methyl-2-Pentanone	ND	9.4		ug/Kg
cis-1,3-Dichloropropene	ND	4.7		ug/Kg
Toluene	ND	4.7		ug/Kg
trans-1,3-Dichloropropene	ND	4.7		ug/Kg
1,1,2-Trichloroethane	ND	4.7		ug/Kg
2-Hexanone	ND	9.4		ug/Kg
1,3-Dichloropropane	ND	4.7		ug/Kg
Tetrachloroethene	ND	4.7		ug/Kg
Dibromochloromethane	ND	4.7		ug/Kg
1,2-Dibromoethane	ND	4.7		ug/Kg
Chlorobenzene	ND	4.7		ug/Kg
1,1,1,2-Tetrachloroethane	ND	4.7		ug/Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Analyte	Result	RL	MDL	Units
Ethylbenzene	ND	4.7		ug/Kg
m,p-Xylenes	ND	4.7		ug/Kg
o-Xylene	ND	4.7		ug/Kg
Styrene	ND	4.7		ug/Kg
Bromoform	ND	4.7		ug/Kg
Isopropylbenzene	ND	4.7		ug/Kg
1,1,2,2-Tetrachloroethane	ND	4.7		ug/Kg
1,2,3-Trichloropropane	ND	4.7		ug/Kg
Propylbenzene	ND	4.7		ug/Kg
Bromobenzene	ND	4.7		ug/Kg
1,3,5-Trimethylbenzene	ND	4.7		ug/Kg
2-Chlorotoluene	ND	4.7		ug/Kg
4-Chlorotoluene	ND	4.7		ug/Kg
tert-Butylbenzene	ND	4.7		ug/Kg
1,2,4-Trimethylbenzene	ND	4.7		ug/Kg
sec-Butylbenzene	ND	4.7		ug/Kg
para-Isopropyl Toluene	ND	4.7		ug/Kg
1,3-Dichlorobenzene	ND	4.7		ug/Kg
1,4-Dichlorobenzene	ND	4.7		ug/Kg
n-Butylbenzene	ND	4.7		ug/Kg
1,2-Dichlorobenzene	ND	4.7		ug/Kg
1,2-Dibromo-3-Chloropropane	ND	4.7		ug/Kg
1,2,4-Trichlorobenzene	ND	4.7		ug/Kg
Hexachlorobutadiene	ND	4.7		ug/Kg
Naphthalene	ND	4.7		ug/Kg
1,2,3-Trichlorobenzene	ND	4.7		ug/Kg

Surrogate	%REC	Limits
Dibromofluoromethane	118	77-126
1,2-Dichloroethane-d4	107	77-131
Toluene-d8	97	80-120
Bromofluorobenzene	99	80-123

Legend

MDL: Method Detection Limit

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MSB4-10 **DiIn Fac:** 0.9524 **Analyzed:** 11/19/19

Lab ID: 315809-004 **Batch#:** 276206 **Prep:** EPA 5030B

Matrix: Soil **Sampled:** 11/12/19 **Analysis:** EPA 8260B

Basis: as received **Received:** 11/12/19

Analyte	Result	RL	MDL	Units
Freon 12	ND	9.5		ug/Kg
Chloromethane	ND	9.5		ug/Kg
Vinyl Chloride	ND	9.5	0.2	ug/Kg
Bromomethane	ND	9.5		ug/Kg
Chloroethane	ND	9.5		ug/Kg
Trichlorofluoromethane	ND	4.8		ug/Kg
Acetone	ND	19		ug/Kg
Freon 113	ND	4.8		ug/Kg
1,1-Dichloroethene	ND	4.8		ug/Kg
Methylene Chloride	ND	19		ug/Kg
Carbon Disulfide	ND	4.8		ug/Kg
MTBE	ND	4.8		ug/Kg
trans-1,2-Dichloroethene	ND	4.8		ug/Kg
Vinyl Acetate	ND	48		ug/Kg
1,1-Dichloroethane	ND	4.8		ug/Kg
2-Butanone	ND	9.5		ug/Kg
cis-1,2-Dichloroethene	ND	4.8		ug/Kg
2,2-Dichloropropane	ND	4.8		ug/Kg
Chloroform	ND	4.8		ug/Kg
Bromochloromethane	ND	4.8		ug/Kg
1,1,1-Trichloroethane	ND	4.8		ug/Kg
1,1-Dichloropropene	ND	4.8		ug/Kg
Carbon Tetrachloride	ND	4.8		ug/Kg
1,2-Dichloroethane	ND	4.8		ug/Kg
Benzene	ND	4.8		ug/Kg
Trichloroethene	ND	4.8		ug/Kg
1,2-Dichloropropane	ND	4.8		ug/Kg
Bromodichloromethane	ND	4.8		ug/Kg
Dibromomethane	ND	4.8		ug/Kg
4-Methyl-2-Pentanone	ND	9.5		ug/Kg
cis-1,3-Dichloropropene	ND	4.8		ug/Kg
Toluene	ND	4.8		ug/Kg
trans-1,3-Dichloropropene	ND	4.8		ug/Kg
1,1,2-Trichloroethane	ND	4.8		ug/Kg
2-Hexanone	ND	9.5		ug/Kg
1,3-Dichloropropane	ND	4.8		ug/Kg
Tetrachloroethene	ND	4.8		ug/Kg
Dibromochloromethane	ND	4.8		ug/Kg
1,2-Dibromoethane	ND	4.8		ug/Kg
Chlorobenzene	ND	4.8		ug/Kg
1,1,1,2-Tetrachloroethane	ND	4.8		ug/Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Analyte	Result	RL	MDL	Units
Ethylbenzene	ND	4.8		ug/Kg
m,p-Xylenes	ND	4.8		ug/Kg
o-Xylene	ND	4.8		ug/Kg
Styrene	ND	4.8		ug/Kg
Bromoform	ND	4.8		ug/Kg
Isopropylbenzene	ND	4.8		ug/Kg
1,1,2,2-Tetrachloroethane	ND	4.8		ug/Kg
1,2,3-Trichloropropane	ND	4.8		ug/Kg
Propylbenzene	ND	4.8		ug/Kg
Bromobenzene	ND	4.8		ug/Kg
1,3,5-Trimethylbenzene	ND	4.8		ug/Kg
2-Chlorotoluene	ND	4.8		ug/Kg
4-Chlorotoluene	ND	4.8		ug/Kg
tert-Butylbenzene	ND	4.8		ug/Kg
1,2,4-Trimethylbenzene	ND	4.8		ug/Kg
sec-Butylbenzene	ND	4.8		ug/Kg
para-Isopropyl Toluene	ND	4.8		ug/Kg
1,3-Dichlorobenzene	ND	4.8		ug/Kg
1,4-Dichlorobenzene	ND	4.8		ug/Kg
n-Butylbenzene	ND	4.8		ug/Kg
1,2-Dichlorobenzene	ND	4.8		ug/Kg
1,2-Dibromo-3-Chloropropane	ND	4.8		ug/Kg
1,2,4-Trichlorobenzene	ND	4.8		ug/Kg
Hexachlorobutadiene	ND	4.8		ug/Kg
Naphthalene	ND	4.8		ug/Kg
1,2,3-Trichlorobenzene	ND	4.8		ug/Kg

Surrogate	%REC	Limits
Dibromofluoromethane	122	77-126
1,2-Dichloroethane-d4	108	77-131
Toluene-d8	97	80-120
Bromofluorobenzene	102	80-123

Legend

MDL: Method Detection Limit

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MSB5-10 **DiIn Fac:** 0.9804 **Analyzed:** 11/19/19

Lab ID: 315809-005 **Batch#:** 276206 **Prep:** EPA 5030B

Matrix: Soil **Sampled:** 11/12/19 **Analysis:** EPA 8260B

Basis: as received **Received:** 11/12/19

Analyte	Result	RL	MDL	Units
Freon 12	ND	9.8		ug/Kg
Chloromethane	ND	9.8		ug/Kg
Vinyl Chloride	ND	9.8	0.2	ug/Kg
Bromomethane	ND	9.8		ug/Kg
Chloroethane	ND	9.8		ug/Kg
Trichlorofluoromethane	ND	4.9		ug/Kg
Acetone	ND	20		ug/Kg
Freon 113	ND	4.9		ug/Kg
1,1-Dichloroethene	ND	4.9		ug/Kg
Methylene Chloride	ND	20		ug/Kg
Carbon Disulfide	ND	4.9		ug/Kg
MTBE	ND	4.9		ug/Kg
trans-1,2-Dichloroethene	ND	4.9		ug/Kg
Vinyl Acetate	ND	49		ug/Kg
1,1-Dichloroethane	ND	4.9		ug/Kg
2-Butanone	ND	9.8		ug/Kg
cis-1,2-Dichloroethene	ND	4.9		ug/Kg
2,2-Dichloropropane	ND	4.9		ug/Kg
Chloroform	ND	4.9		ug/Kg
Bromochloromethane	ND	4.9		ug/Kg
1,1,1-Trichloroethane	ND	4.9		ug/Kg
1,1-Dichloropropene	ND	4.9		ug/Kg
Carbon Tetrachloride	ND	4.9		ug/Kg
1,2-Dichloroethane	ND	4.9		ug/Kg
Benzene	ND	4.9		ug/Kg
Trichloroethene	ND	4.9		ug/Kg
1,2-Dichloropropane	ND	4.9		ug/Kg
Bromodichloromethane	ND	4.9		ug/Kg
Dibromomethane	ND	4.9		ug/Kg
4-Methyl-2-Pentanone	ND	9.8		ug/Kg
cis-1,3-Dichloropropene	ND	4.9		ug/Kg
Toluene	ND	4.9		ug/Kg
trans-1,3-Dichloropropene	ND	4.9		ug/Kg
1,1,2-Trichloroethane	ND	4.9		ug/Kg
2-Hexanone	ND	9.8		ug/Kg
1,3-Dichloropropane	ND	4.9		ug/Kg
Tetrachloroethene	ND	4.9		ug/Kg
Dibromochloromethane	ND	4.9		ug/Kg
1,2-Dibromoethane	ND	4.9		ug/Kg
Chlorobenzene	ND	4.9		ug/Kg
1,1,1,2-Tetrachloroethane	ND	4.9		ug/Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Analyte	Result	RL	MDL	Units
Ethylbenzene	ND	4.9		ug/Kg
m,p-Xylenes	ND	4.9		ug/Kg
o-Xylene	ND	4.9		ug/Kg
Styrene	ND	4.9		ug/Kg
Bromoform	ND	4.9		ug/Kg
Isopropylbenzene	ND	4.9		ug/Kg
1,1,2,2-Tetrachloroethane	ND	4.9		ug/Kg
1,2,3-Trichloropropane	ND	4.9		ug/Kg
Propylbenzene	ND	4.9		ug/Kg
Bromobenzene	ND	4.9		ug/Kg
1,3,5-Trimethylbenzene	ND	4.9		ug/Kg
2-Chlorotoluene	ND	4.9		ug/Kg
4-Chlorotoluene	ND	4.9		ug/Kg
tert-Butylbenzene	ND	4.9		ug/Kg
1,2,4-Trimethylbenzene	ND	4.9		ug/Kg
sec-Butylbenzene	ND	4.9		ug/Kg
para-Isopropyl Toluene	ND	4.9		ug/Kg
1,3-Dichlorobenzene	ND	4.9		ug/Kg
1,4-Dichlorobenzene	ND	4.9		ug/Kg
n-Butylbenzene	ND	4.9		ug/Kg
1,2-Dichlorobenzene	ND	4.9		ug/Kg
1,2-Dibromo-3-Chloropropane	ND	4.9		ug/Kg
1,2,4-Trichlorobenzene	ND	4.9		ug/Kg
Hexachlorobutadiene	ND	4.9		ug/Kg
Naphthalene	ND	4.9		ug/Kg
1,2,3-Trichlorobenzene	ND	4.9		ug/Kg

Surrogate	%REC	Limits
Dibromofluoromethane	120	77-126
1,2-Dichloroethane-d4	108	77-131
Toluene-d8	97	80-120
Bromofluorobenzene	102	80-123

Legend

MDL: Method Detection Limit

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Type: BLANK **Matrix:** Soil **Batch#:** 276206 **Prep:** EPA 5030B

Lab ID: QC999314 **Dil'n Fac:** 1.000 **Analyzed:** 11/19/19 **Analysis:** EPA 8260B

Analyte	Result	RL	MDL	Units
Freon 12	ND	10		ug/Kg
Chloromethane	ND	10		ug/Kg
Vinyl Chloride	ND	10	0.3	ug/Kg
Bromomethane	ND	10		ug/Kg
Chloroethane	ND	10		ug/Kg
Trichlorofluoromethane	ND	5.0		ug/Kg
Acetone	ND	20		ug/Kg
Freon 113	ND	5.0		ug/Kg
1,1-Dichloroethene	ND	5.0		ug/Kg
Methylene Chloride	ND	20		ug/Kg
Carbon Disulfide	ND	5.0		ug/Kg
MTBE	ND	5.0		ug/Kg
trans-1,2-Dichloroethene	ND	5.0		ug/Kg
Vinyl Acetate	ND	50		ug/Kg
1,1-Dichloroethane	ND	5.0		ug/Kg
2-Butanone	ND	10		ug/Kg
cis-1,2-Dichloroethene	ND	5.0		ug/Kg
2,2-Dichloropropane	ND	5.0		ug/Kg
Chloroform	ND	5.0		ug/Kg
Bromochloromethane	ND	5.0		ug/Kg
1,1,1-Trichloroethane	ND	5.0		ug/Kg
1,1-Dichloropropene	ND	5.0		ug/Kg
Carbon Tetrachloride	ND	5.0		ug/Kg
1,2-Dichloroethane	ND	5.0		ug/Kg
Benzene	ND	5.0		ug/Kg
Trichloroethene	ND	5.0		ug/Kg
1,2-Dichloropropane	ND	5.0		ug/Kg
Bromodichloromethane	ND	5.0		ug/Kg
Dibromomethane	ND	5.0		ug/Kg
4-Methyl-2-Pentanone	ND	10		ug/Kg
cis-1,3-Dichloropropene	ND	5.0		ug/Kg
Toluene	ND	5.0		ug/Kg
trans-1,3-Dichloropropene	ND	5.0		ug/Kg
1,1,2-Trichloroethane	ND	5.0		ug/Kg
2-Hexanone	ND	10		ug/Kg
1,3-Dichloropropane	ND	5.0		ug/Kg
Tetrachloroethene	ND	5.0		ug/Kg
Dibromochloromethane	ND	5.0		ug/Kg
1,2-Dibromoethane	ND	5.0		ug/Kg
Chlorobenzene	ND	5.0		ug/Kg
1,1,1,2-Tetrachloroethane	ND	5.0		ug/Kg
Ethylbenzene	ND	5.0		ug/Kg
m,p-Xylenes	ND	5.0		ug/Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Analyte	Result	RL	MDL	Units
o-Xylene	ND	5.0		ug/Kg
Styrene	ND	5.0		ug/Kg
Bromoform	ND	5.0		ug/Kg
Isopropylbenzene	ND	5.0		ug/Kg
1,1,2,2-Tetrachloroethane	ND	5.0		ug/Kg
1,2,3-Trichloropropane	ND	5.0		ug/Kg
Propylbenzene	ND	5.0		ug/Kg
Bromobenzene	ND	5.0		ug/Kg
1,3,5-Trimethylbenzene	ND	5.0		ug/Kg
2-Chlorotoluene	ND	5.0		ug/Kg
4-Chlorotoluene	ND	5.0		ug/Kg
tert-Butylbenzene	ND	5.0		ug/Kg
1,2,4-Trimethylbenzene	ND	5.0		ug/Kg
sec-Butylbenzene	ND	5.0		ug/Kg
para-Isopropyl Toluene	ND	5.0		ug/Kg
1,3-Dichlorobenzene	ND	5.0		ug/Kg
1,4-Dichlorobenzene	ND	5.0		ug/Kg
n-Butylbenzene	ND	5.0		ug/Kg
1,2-Dichlorobenzene	ND	5.0		ug/Kg
1,2-Dibromo-3-Chloropropane	ND	5.0		ug/Kg
1,2,4-Trichlorobenzene	ND	5.0		ug/Kg
Hexachlorobutadiene	ND	5.0		ug/Kg
Naphthalene	ND	5.0		ug/Kg
1,2,3-Trichlorobenzene	ND	5.0		ug/Kg

Surrogate	%REC	Limits
Dibromofluoromethane	121	77-126
1,2-Dichloroethane-d4	108	77-131
Toluene-d8	96	80-120
Bromofluorobenzene	101	80-123

Legend

MDL: Method Detection Limit

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Type: BS **Matrix:** Soil **Batch#:** 276206 **Prep:** EPA 5030B

Lab ID: QC999315 **Dil'n Fac:** 1.000 **Analyzed:** 11/19/19 **Analysis:** EPA 8260B

Analyte	Spiked	Result	%REC	Limits	Units
1,1-Dichloroethene	12.50	10.93	87	80-130	ug/Kg
Benzene	12.50	14.46	116	80-120	ug/Kg
Trichloroethene	12.50	13.34	107	78-124	ug/Kg
Toluene	12.50	12.96	104	80-120	ug/Kg
Chlorobenzene	12.50	13.47	108	80-120	ug/Kg

Surrogate	%REC	Limits
Dibromofluoromethane	105	77-126
1,2-Dichloroethane-d4	106	77-131
Toluene-d8	97	80-120
Bromofluorobenzene	91	80-123

Type: BSD **Matrix:** Soil **Batch#:** 276206 **Prep:** EPA 5030B

Lab ID: QC999316 **Dil'n Fac:** 1.000 **Analyzed:** 11/19/19 **Analysis:** EPA 8260B

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
1,1-Dichloroethene	12.50	10.62	85	80-130	ug/Kg	3	20
Benzene	12.50	13.93	111	80-120	ug/Kg	4	20
Trichloroethene	12.50	12.93	103	78-124	ug/Kg	3	20
Toluene	12.50	12.74	102	80-120	ug/Kg	2	20
Chlorobenzene	12.50	13.30	106	80-120	ug/Kg	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	77-126
1,2-Dichloroethane-d4	104	77-131
Toluene-d8	98	80-120
Bromofluorobenzene	92	80-123

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 315809 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MSB1-10 **Basis:** as received **Analyzed:** 11/19/19

Type: MS **DiIn Fac:** 0.9416 **Prep:** EPA 5030B

MSS Lab ID: 315809-001 **Batch#:** 276206 **Analysis:** EPA 8260B

Lab ID: QC999483 **Sampled:** 11/12/19

Matrix: Soil **Received:** 11/12/19

Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
1,1-Dichloroethene	<0.1947	47.08	39.19	83	62-141	ug/Kg
Benzene	0.09340	47.08	52.80	112	63-128	ug/Kg
Trichloroethene	<0.1125	47.08	50.03	106	60-140	ug/Kg
Toluene	1.082	47.08	48.04	100	60-124	ug/Kg
Chlorobenzene	<0.1121	47.08	48.06	102	54-120	ug/Kg

Surrogate	%REC	Limits
Dibromofluoromethane	105	77-126
1,2-Dichloroethane-d4	104	77-131
Toluene-d8	96	80-120
Bromofluorobenzene	87	80-123

Field ID: MSB1-10 **Basis:** as received **Analyzed:** 11/19/19

Type: MSD **DiIn Fac:** 0.9174 **Prep:** EPA 5030B

MSS Lab ID: 315809-001 **Batch#:** 276206 **Analysis:** EPA 8260B

Lab ID: QC999484 **Sampled:** 11/12/19

Matrix: Soil **Received:** 11/12/19

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
1,1-Dichloroethene	45.87	32.34	71	62-141	ug/Kg	17	37
Benzene	45.87	42.86	93	63-128	ug/Kg	18	62
Trichloroethene	45.87	40.27	88	60-140	ug/Kg	19	44
Toluene	45.87	38.83	82	60-124	ug/Kg	19	57
Chlorobenzene	45.87	38.82	85	54-120	ug/Kg	19	52

Surrogate	%REC	Limits
Dibromofluoromethane	105	77-126
1,2-Dichloroethane-d4	105	77-131
Toluene-d8	96	80-120
Bromofluorobenzene	87	80-123

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900

enthalpy.com

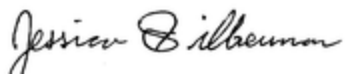
Lab Job Number: 315808
Report Level: II
Report Date: 12/05/2019

Analytical Report *prepared for:*

Mitch Hajiaghai
Envirocom
800 Charcot Avenue
Suite 114
San Jose, CA 95131

Project: 19-032.12 - Milligan

Authorized for release by:



Jess Silberman, Project Manager
(510) 204-2223
Jessica.Silberman@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 2896, NELAP# 4044-001

ENTHALPY ANALYTICAL

Sample Summary

Mitch Hajiaghai
Envirocom
800 Charcot Avenue
Suite 114
San Jose, CA 95131

Lab Job #:	315808
Project No:	19-032.12
Location:	Milligan
Date Received:	11/12/19

Sample ID	Lab ID	Collected	Matrix
MW1	315808-001	11/12/19 00:00	Water
MW2	315808-002	11/12/19 00:00	Water
MW3	315808-003	11/12/19 00:00	Water
MW4	315808-004	11/12/19 00:00	Water
MW5	315808-005	11/12/19 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Envirocom	Lab Job Number: 315808
800 Charcot Avenue	Project No: 19-032.12
Suite 114	Location: Milligan
San Jose, CA 95131	Date Received: 11/12/19
Mitch Hajiaghai	

This data package contains sample and QC results for five water samples, requested for the above referenced project on 11/12/19. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):

Low surrogate recovery was observed for bromofluorobenzene (FID) in MW1 (lab # 315808-001). A number of samples were analyzed outside of hold time; affected data was qualified with "H". MW1 (lab # 315808-001) had pH greater than 2. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

High surrogate recoveries were observed for 1,2-dichloroethane-d4 in a number of samples. MW1 (lab # 315808-001) and MW2 (lab # 315808-002) had pH greater than 2. MW5 (lab # 315808-005) had multiple vials combined due to sediment. No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary for 315808

Client: Envirocom
Project: 19-032.12
Location Milligan

No detections for MW1, Lab ID 315808-001

Sample ID: MW2								Lab ID: 315808-002
Analyte	**Result**	**Flags**	**RL**	**Units**	**Basis**	**IDF**	**Method**	**Prep Method**
Gasoline C7-C12	86,000	H	1,700	ug/L	As Recd	33.33	EPA 8015B	EPA 5030B
Benzene	1,700		84	ug/L	As Recd	167.0	EPA 8260B	EPA 5030B
Toluene	320		84	ug/L	As Recd	167.0	EPA 8260B	EPA 5030B
Ethylbenzene	3,700		84	ug/L	As Recd	167.0	EPA 8260B	EPA 5030B
m,p-Xylenes	10,000		84	ug/L	As Recd	167.0	EPA 8260B	EPA 5030B
o-Xylene	2,400		84	ug/L	As Recd	167.0	EPA 8260B	EPA 5030B
Isopropylbenzene	130		84	ug/L	As Recd	167.0	EPA 8260B	EPA 5030B
Propylbenzene	420		84	ug/L	As Recd	167.0	EPA 8260B	EPA 5030B
1,3,5-Trimethylbenzene	710		84	ug/L	As Recd	167.0	EPA 8260B	EPA 5030B
1,2,4-Trimethylbenzene	3,000		84	ug/L	As Recd	167.0	EPA 8260B	EPA 5030B
n-Butylbenzene	230		84	ug/L	As Recd	167.0	EPA 8260B	EPA 5030B
Naphthalene	980		330	ug/L	As Recd	167.0	EPA 8260B	EPA 5030B

No detections for MW3, Lab ID 315808-003

No detections for MW4, Lab ID 315808-004

No detections for MW5, Lab ID 315808-005

H: Holding time was exceeded

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

315808

ENVIROCOM

CHAIN OF CUSTODY

Project Name: Milligan **Project No:** 19-032.12 **Date:** 11/12/19

Project Location 150 N. Autumn Street, SJ **Client:** City of San Jose **Sampler:** Mitch Hajiaghaei

Sample ID	Date Sampled	Sampling Time	Matrix	N° of Containers	Analysis Requested	Turnaround Time
					TPHG NOLS 82608	
MW1	11/12/19		water	4		24-hour Other ____ Normal
MW2						24-hour Other ____ Normal
MW3						24-hour Other ____ Normal
MW4						24-hour Other ____ Normal
MW5						24-hour Other ____ Normal
						24-hour Other ____ Normal
						24-hour Other ____ Normal
						24-hour Other ____ Normal

NOTES:

Relinquished by	Date	Time	Received by	Date	Time
M Hajiaghaei	11/12/19	15:10	Audrey Hudson	11/12/19	15:30
Audrey Hudson	11/12/19	17:45		11/12/19	17:50

P.O. Box 28310 · San Jose · California · 95159
Phone (408) 894-9062 · Fax (408) 894-9063

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 315808 Client: Envirocom

Date Received: 11-12-19 Project: Milligan

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 11-12-19 By (print) JH (sign) JH

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe)_____

☐ Bubble Wrap, ☐ Foam blocks, ☐ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☐ Wet, ☑ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID:_____, or IR Gun # ☑ B ☐ C

Cooler Temp (°C): #1: 9.5, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer?_____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?		✓	
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?	✓		
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called?_____ By_____ Date:_____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			✓
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: 1/4 VOAs for sample 2 contained ~~a~~ bubble >6mm

Date Logged in 11/13/19 **By (print)** RV **(sign)** RV

Date Labeled 11/13/19 **By (print)** ZA **(sign)** ZA

ENTHALPY ANALYTICAL

Total Volatile Hydrocarbons

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MW1 **Diln Fac:** 1.000 **Analyzed:** 12/04/19
Type: SAMPLE **Batch#:** 276597 **Prep:** EPA 5030B
Lab ID: 315808-001 **Sampled:** 11/12/19 **Analysis:** EPA 8015B
Matrix: Water **Received:** 11/12/19

Analyte	Result	RL	Units
Gasoline C7-C12	ND H	50	ug/L

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	78 * H	80-120

Field ID: MW2 **Diln Fac:** 33.33 **Analyzed:** 12/05/19
Type: SAMPLE **Batch#:** 276627 **Prep:** EPA 5030B
Lab ID: 315808-002 **Sampled:** 11/12/19 **Analysis:** EPA 8015B
Matrix: Water **Received:** 11/12/19

Analyte	Result	RL	Units
Gasoline C7-C12	**86,000 H**	1,700	ug/L

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	101 H	80-120

Field ID: MW3 **Diln Fac:** 1.000 **Analyzed:** 12/04/19
Type: SAMPLE **Batch#:** 276597 **Prep:** EPA 5030B
Lab ID: 315808-003 **Sampled:** 11/12/19 **Analysis:** EPA 8015B
Matrix: Water **Received:** 11/12/19

Analyte	Result	RL	Units
Gasoline C7-C12	ND H	50	ug/L

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	83 H	80-120

Field ID: MW4 **Diln Fac:** 1.000 **Analyzed:** 12/04/19
Type: SAMPLE **Batch#:** 276597 **Prep:** EPA 5030B
Lab ID: 315808-004 **Sampled:** 11/12/19 **Analysis:** EPA 8015B
Matrix: Water **Received:** 11/12/19

Analyte	Result	RL	Units
Gasoline C7-C12	ND H	50	ug/L

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	87 H	80-120

ENTHALPY ANALYTICAL

Total Volatile Hydrocarbons

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MW5 **Diln Fac:** 1.000 **Analyzed:** 12/04/19

Type: SAMPLE **Batch#:** 276597 **Prep:** EPA 5030B

Lab ID: 315808-005 **Sampled:** 11/12/19 **Analysis:** EPA 8015B

Matrix: Water **Received:** 11/12/19

Analyte	Result	RL	Units
Gasoline C7-C12	ND H	50	ug/L

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	87 H	80-120

Type: BLANK **Matrix:** Water **Batch#:** 276597 **Prep:** EPA 5030B

Lab ID: QC1000984 **Diln Fac:** 1.000 **Analyzed:** 12/03/19 **Analysis:** EPA 8015B

Analyte	Result	RL	Units
Gasoline C7-C12	ND	50	ug/L

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	83	80-120

Type: BLANK **Matrix:** Water **Batch#:** 276627 **Prep:** EPA 5030B

Lab ID: QC1001114 **Diln Fac:** 1.000 **Analyzed:** 12/04/19 **Analysis:** EPA 8015B

Analyte	Result	RL	Units
Gasoline C7-C12	ND	50	ug/L

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	94	80-120

Legend

***:** Value is outside QC limits

H: Holding time was exceeded

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Total Volatile Hydrocarbons: Batch QC

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Type: BS **Matrix:** Water **Batch#:** 276597 **Prep:** EPA 5030B

Lab ID: QC1000985 **Dil'n Fac:** 1.000 **Analyzed:** 12/04/19 **Analysis:** EPA 8015B

Analyte	Spiked	Result	%REC	Limits	Units
Gasoline C7-C12	3,000	2,567	86	80-123	ug/L

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	97	80-120

Type: BSD **Matrix:** Water **Batch#:** 276597 **Prep:** EPA 5030B

Lab ID: QC1000986 **Dil'n Fac:** 1.000 **Analyzed:** 12/04/19 **Analysis:** EPA 8015B

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Gasoline C7-C12	3,000	2,556	85	80-123	ug/L	0	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	98	80-120

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Total Volatile Hydrocarbons: Batch QC

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Type: BS **Matrix:** Water **Batch#:** 276627 **Prep:** EPA 5030B

Lab ID: QC1001115 **Dil'n Fac:** 1.000 **Analyzed:** 12/04/19 **Analysis:** EPA 8015B

Analyte	Spiked	Result	%REC	Limits	Units
Gasoline C7-C12	1,000	942.5	94	80-123	ug/L

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	101	80-120

Type: BSD **Matrix:** Water **Batch#:** 276627 **Prep:** EPA 5030B

Lab ID: QC1001116 **Dil'n Fac:** 1.000 **Analyzed:** 12/04/19 **Analysis:** EPA 8015B

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Gasoline C7-C12	1,000	962.6	96	80-123	ug/L	2	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	92	80-120

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Total Volatile Hydrocarbons: Batch QC

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID:	ZZZZZZZZZZ	**Matrix:**	Water	**Received:**	11/25/19
Type:	MS	**Diln Fac:**	1.000	**Analyzed:**	12/05/19
MSS Lab ID:	316237-001	**Batch#:**	276627	**Prep:**	EPA 5030B
Lab ID:	QC1001168	**Sampled:**	11/21/19	**Analysis:**	EPA 8015B

Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Gasoline C7-C12	21.63	2,000	1,641	81	80-124	ug/L

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	108	80-120

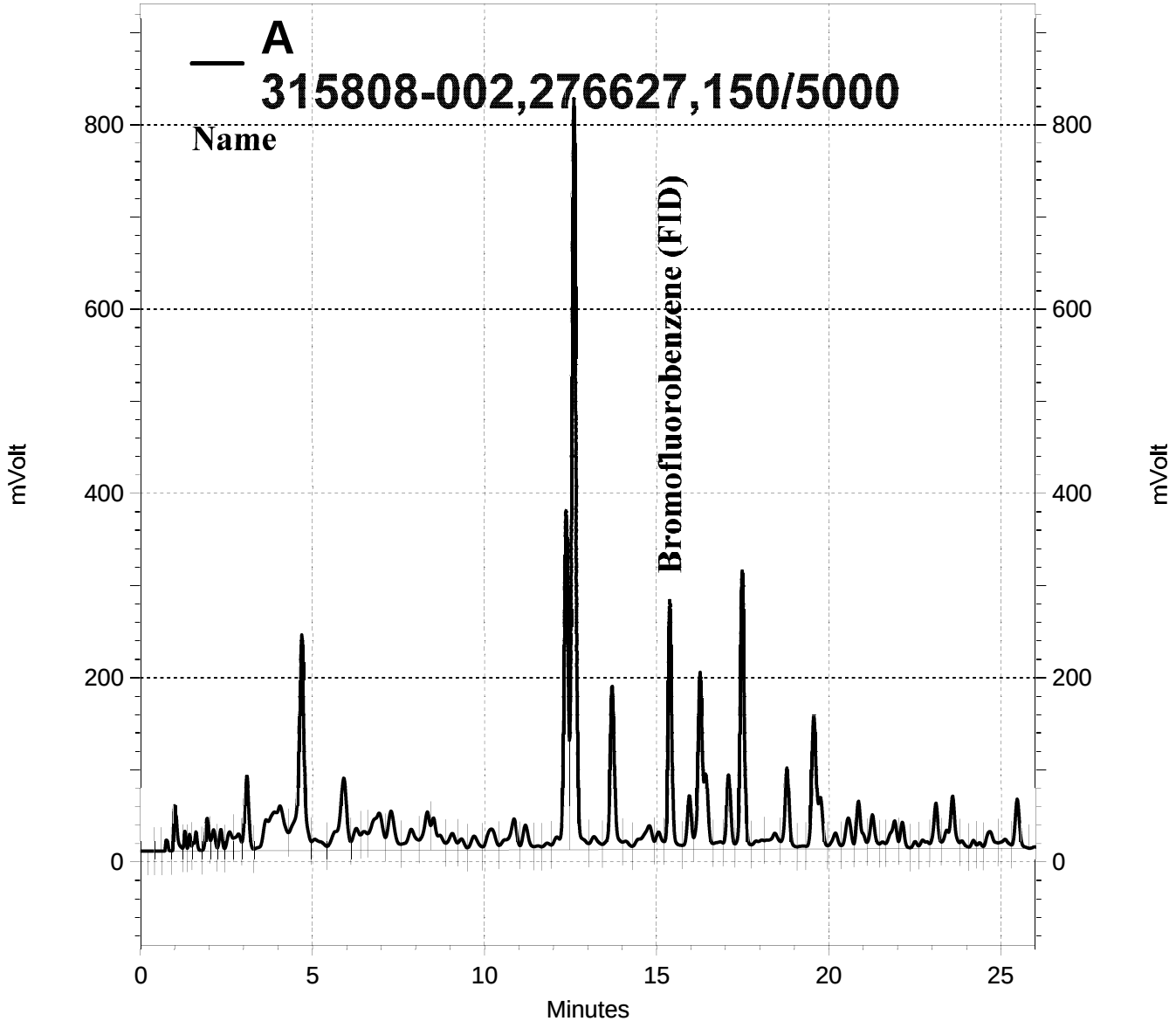
Field ID:	ZZZZZZZZZZ	**Matrix:**	Water	**Received:**	11/25/19
Type:	MSD	**Diln Fac:**	1.000	**Analyzed:**	12/05/19
MSS Lab ID:	316237-001	**Batch#:**	276627	**Prep:**	EPA 5030B
Lab ID:	QC1001169	**Sampled:**	11/21/19	**Analysis:**	EPA 8015B

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Gasoline C7-C12	2,000	1,981	98	80-124	ug/L	19	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	99	80-120

Legend

RPD: Relative Percent Difference



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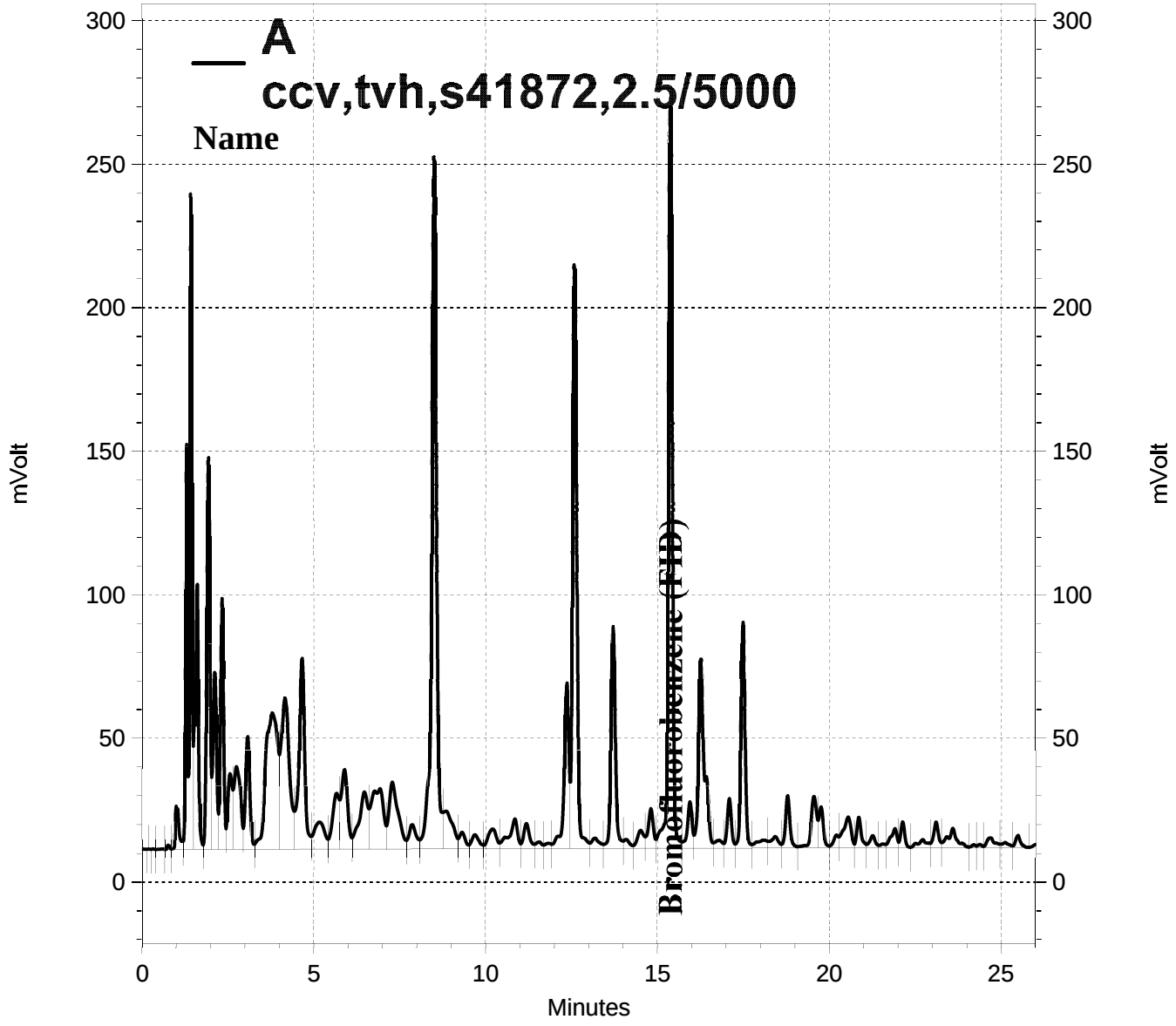

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ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MW1 **Batch#:** 276256 **Prep:** EPA 5030B

Lab ID: 315808-001 **Sampled:** 11/12/19 **Analysis:** EPA 8260B

Matrix: Water **Received:** 11/12/19

Diln Fac: 1.000 **Analyzed:** 11/20/19

Analyte	Result	RL	MDL	Units
Freon 12	ND	1.0		ug/L
Chloromethane	ND	1.0		ug/L
Vinyl Chloride	ND	0.5	0.1	ug/L
Bromomethane	ND	1.0		ug/L
Chloroethane	ND	1.0		ug/L
Trichlorofluoromethane	ND	1.0		ug/L
Acetone	ND	10		ug/L
Freon 113	ND	2.0		ug/L
1,1-Dichloroethene	ND	0.5		ug/L
Methylene Chloride	ND	10		ug/L
Carbon Disulfide	ND	0.5		ug/L
MTBE	ND	0.5		ug/L
trans-1,2-Dichloroethene	ND	0.5		ug/L
Vinyl Acetate	ND	10		ug/L
1,1-Dichloroethane	ND	0.5		ug/L
2-Butanone	ND	10		ug/L
cis-1,2-Dichloroethene	ND	0.5		ug/L
2,2-Dichloropropane	ND	0.5		ug/L
Chloroform	ND	2.0		ug/L
Bromochloromethane	ND	0.5		ug/L
1,1,1-Trichloroethane	ND	0.5		ug/L
1,1-Dichloropropene	ND	0.5		ug/L
Carbon Tetrachloride	ND	0.5		ug/L
1,2-Dichloroethane	ND	0.5		ug/L
Benzene	ND	0.5		ug/L
Trichloroethene	ND	0.5		ug/L
1,2-Dichloropropane	ND	0.5		ug/L
Bromodichloromethane	ND	0.5		ug/L
Dibromomethane	ND	0.5		ug/L
4-Methyl-2-Pentanone	ND	10		ug/L
cis-1,3-Dichloropropene	ND	0.5		ug/L
Toluene	ND	0.5		ug/L
trans-1,3-Dichloropropene	ND	0.5		ug/L
1,1,2-Trichloroethane	ND	0.5		ug/L
2-Hexanone	ND	10		ug/L
1,3-Dichloropropane	ND	0.5		ug/L
Tetrachloroethene	ND	0.5		ug/L
Dibromochloromethane	ND	0.5		ug/L
1,2-Dibromoethane	ND	0.5		ug/L
Chlorobenzene	ND	0.5		ug/L
1,1,1,2-Tetrachloroethane	ND	0.5		ug/L

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Analyte	Result	RL	MDL	Units
Ethylbenzene	ND	0.5		ug/L
m,p-Xylenes	ND	0.5		ug/L
o-Xylene	ND	0.5		ug/L
Styrene	ND	0.5		ug/L
Bromoform	ND	1.0		ug/L
Isopropylbenzene	ND	0.5		ug/L
1,1,2,2-Tetrachloroethane	ND	0.5		ug/L
1,2,3-Trichloropropane	ND	0.5		ug/L
Propylbenzene	ND	0.5		ug/L
Bromobenzene	ND	0.5		ug/L
1,3,5-Trimethylbenzene	ND	0.5		ug/L
2-Chlorotoluene	ND	0.5		ug/L
4-Chlorotoluene	ND	0.5		ug/L
tert-Butylbenzene	ND	0.5		ug/L
1,2,4-Trimethylbenzene	ND	0.5		ug/L
sec-Butylbenzene	ND	0.5		ug/L
para-Isopropyl Toluene	ND	0.5		ug/L
1,3-Dichlorobenzene	ND	0.5		ug/L
1,4-Dichlorobenzene	ND	0.5		ug/L
n-Butylbenzene	ND	0.5		ug/L
1,2-Dichlorobenzene	ND	0.5		ug/L
1,2-Dibromo-3-Chloropropane	ND	2.0		ug/L
1,2,4-Trichlorobenzene	ND	0.5		ug/L
Hexachlorobutadiene	ND	2.0		ug/L
Naphthalene	ND	2.0		ug/L
1,2,3-Trichlorobenzene	ND	0.5		ug/L

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	132 *	80-120
Toluene-d8	106	80-120
Bromofluorobenzene	109	80-120

Legend

***:** Value is outside QC limits

MDL: Method Detection Limit

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MW2 **Batch#:** 276402 **Prep:** EPA 5030B

Lab ID: 315808-002 **Sampled:** 11/12/19 **Analysis:** EPA 8260B

Matrix: Water **Received:** 11/12/19

Diln Fac: 167.0 **Analyzed:** 11/25/19

Analyte	Result	RL	MDL	Units
Freon 12	ND	170		ug/L
Chloromethane	ND	170		ug/L
Vinyl Chloride	ND	84	18	ug/L
Bromomethane	ND	170		ug/L
Chloroethane	ND	170		ug/L
Trichlorofluoromethane	ND	170		ug/L
Acetone	ND	1,700		ug/L
Freon 113	ND	330		ug/L
1,1-Dichloroethene	ND	84		ug/L
Methylene Chloride	ND	1,700		ug/L
Carbon Disulfide	ND	84		ug/L
MTBE	ND	84		ug/L
trans-1,2-Dichloroethene	ND	84		ug/L
Vinyl Acetate	ND	1,700		ug/L
1,1-Dichloroethane	ND	84		ug/L
2-Butanone	ND	1,700		ug/L
cis-1,2-Dichloroethene	ND	84		ug/L
2,2-Dichloropropane	ND	84		ug/L
Chloroform	ND	84		ug/L
Bromochloromethane	ND	84		ug/L
1,1,1-Trichloroethane	ND	84		ug/L
1,1-Dichloropropene	ND	84		ug/L
Carbon Tetrachloride	ND	84		ug/L
1,2-Dichloroethane	ND	84		ug/L
Benzene	**1,700**	84		ug/L
Trichloroethene	ND	84		ug/L
1,2-Dichloropropane	ND	84		ug/L
Bromodichloromethane	ND	84		ug/L
Dibromomethane	ND	84		ug/L
4-Methyl-2-Pentanone	ND	1,700		ug/L
cis-1,3-Dichloropropene	ND	84		ug/L
Toluene	**320**	84		ug/L
trans-1,3-Dichloropropene	ND	84		ug/L
1,1,2-Trichloroethane	ND	84		ug/L
2-Hexanone	ND	1,700		ug/L
1,3-Dichloropropane	ND	84		ug/L
Tetrachloroethene	ND	84		ug/L
Dibromochloromethane	ND	84		ug/L
1,2-Dibromoethane	ND	84		ug/L
Chlorobenzene	ND	84		ug/L
1,1,1,2-Tetrachloroethane	ND	84		ug/L

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Analyte	Result	RL	MDL	Units
Ethylbenzene	**3,700**	84		ug/L
m,p-Xylenes	**10,000**	84		ug/L
o-Xylene	**2,400**	84		ug/L
Styrene	ND	84		ug/L
Bromoform	ND	170		ug/L
Isopropylbenzene	**130**	84		ug/L
1,1,2,2-Tetrachloroethane	ND	84		ug/L
1,2,3-Trichloropropane	ND	84		ug/L
Propylbenzene	**420**	84		ug/L
Bromobenzene	ND	84		ug/L
1,3,5-Trimethylbenzene	**710**	84		ug/L
2-Chlorotoluene	ND	84		ug/L
4-Chlorotoluene	ND	84		ug/L
tert-Butylbenzene	ND	84		ug/L
1,2,4-Trimethylbenzene	**3,000**	84		ug/L
sec-Butylbenzene	ND	84		ug/L
para-Isopropyl Toluene	ND	84		ug/L
1,3-Dichlorobenzene	ND	84		ug/L
1,4-Dichlorobenzene	ND	84		ug/L
n-Butylbenzene	**230**	84		ug/L
1,2-Dichlorobenzene	ND	84		ug/L
1,2-Dibromo-3-Chloropropane	ND	330		ug/L
1,2,4-Trichlorobenzene	ND	130		ug/L
Hexachlorobutadiene	ND	330		ug/L
Naphthalene	**980**	330		ug/L
1,2,3-Trichlorobenzene	ND	130		ug/L

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	112	80-120
Toluene-d8	104	80-120
Bromofluorobenzene	97	80-120

Legend

MDL: Method Detection Limit

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MW3 **Batch#:** 276256 **Prep:** EPA 5030B

Lab ID: 315808-003 **Sampled:** 11/12/19 **Analysis:** EPA 8260B

Matrix: Water **Received:** 11/12/19

Diln Fac: 1.000 **Analyzed:** 11/20/19

Analyte	Result	RL	MDL	Units
Freon 12	ND	1.0		ug/L
Chloromethane	ND	1.0		ug/L
Vinyl Chloride	ND	0.5	0.1	ug/L
Bromomethane	ND	1.0		ug/L
Chloroethane	ND	1.0		ug/L
Trichlorofluoromethane	ND	1.0		ug/L
Acetone	ND	10		ug/L
Freon 113	ND	2.0		ug/L
1,1-Dichloroethene	ND	0.5		ug/L
Methylene Chloride	ND	10		ug/L
Carbon Disulfide	ND	0.5		ug/L
MTBE	ND	0.5		ug/L
trans-1,2-Dichloroethene	ND	0.5		ug/L
Vinyl Acetate	ND	10		ug/L
1,1-Dichloroethane	ND	0.5		ug/L
2-Butanone	ND	10		ug/L
cis-1,2-Dichloroethene	ND	0.5		ug/L
2,2-Dichloropropane	ND	0.5		ug/L
Chloroform	ND	2.0		ug/L
Bromochloromethane	ND	0.5		ug/L
1,1,1-Trichloroethane	ND	0.5		ug/L
1,1-Dichloropropene	ND	0.5		ug/L
Carbon Tetrachloride	ND	0.5		ug/L
1,2-Dichloroethane	ND	0.5		ug/L
Benzene	ND	0.5		ug/L
Trichloroethene	ND	0.5		ug/L
1,2-Dichloropropane	ND	0.5		ug/L
Bromodichloromethane	ND	0.5		ug/L
Dibromomethane	ND	0.5		ug/L
4-Methyl-2-Pentanone	ND	10		ug/L
cis-1,3-Dichloropropene	ND	0.5		ug/L
Toluene	ND	0.5		ug/L
trans-1,3-Dichloropropene	ND	0.5		ug/L
1,1,2-Trichloroethane	ND	0.5		ug/L
2-Hexanone	ND	10		ug/L
1,3-Dichloropropane	ND	0.5		ug/L
Tetrachloroethene	ND	0.5		ug/L
Dibromochloromethane	ND	0.5		ug/L
1,2-Dibromoethane	ND	0.5		ug/L
Chlorobenzene	ND	0.5		ug/L
1,1,1,2-Tetrachloroethane	ND	0.5		ug/L

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Analyte	Result	RL	MDL	Units
Ethylbenzene	ND	0.5		ug/L
m,p-Xylenes	ND	0.5		ug/L
o-Xylene	ND	0.5		ug/L
Styrene	ND	0.5		ug/L
Bromoform	ND	1.0		ug/L
Isopropylbenzene	ND	0.5		ug/L
1,1,2,2-Tetrachloroethane	ND	0.5		ug/L
1,2,3-Trichloropropane	ND	0.5		ug/L
Propylbenzene	ND	0.5		ug/L
Bromobenzene	ND	0.5		ug/L
1,3,5-Trimethylbenzene	ND	0.5		ug/L
2-Chlorotoluene	ND	0.5		ug/L
4-Chlorotoluene	ND	0.5		ug/L
tert-Butylbenzene	ND	0.5		ug/L
1,2,4-Trimethylbenzene	ND	0.5		ug/L
sec-Butylbenzene	ND	0.5		ug/L
para-Isopropyl Toluene	ND	0.5		ug/L
1,3-Dichlorobenzene	ND	0.5		ug/L
1,4-Dichlorobenzene	ND	0.5		ug/L
n-Butylbenzene	ND	0.5		ug/L
1,2-Dichlorobenzene	ND	0.5		ug/L
1,2-Dibromo-3-Chloropropane	ND	2.0		ug/L
1,2,4-Trichlorobenzene	ND	0.5		ug/L
Hexachlorobutadiene	ND	2.0		ug/L
Naphthalene	ND	2.0		ug/L
1,2,3-Trichlorobenzene	ND	0.5		ug/L

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	135 *	80-120
Toluene-d8	108	80-120
Bromofluorobenzene	110	80-120

Legend

***:** Value is outside QC limits

MDL: Method Detection Limit

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MW4 **Batch#:** 276256 **Prep:** EPA 5030B

Lab ID: 315808-004 **Sampled:** 11/12/19 **Analysis:** EPA 8260B

Matrix: Water **Received:** 11/12/19

Diln Fac: 1.000 **Analyzed:** 11/20/19

Analyte	Result	RL	MDL	Units
Freon 12	ND	1.0		ug/L
Chloromethane	ND	1.0		ug/L
Vinyl Chloride	ND	0.5	0.1	ug/L
Bromomethane	ND	1.0		ug/L
Chloroethane	ND	1.0		ug/L
Trichlorofluoromethane	ND	1.0		ug/L
Acetone	ND	10		ug/L
Freon 113	ND	2.0		ug/L
1,1-Dichloroethene	ND	0.5		ug/L
Methylene Chloride	ND	10		ug/L
Carbon Disulfide	ND	0.5		ug/L
MTBE	ND	0.5		ug/L
trans-1,2-Dichloroethene	ND	0.5		ug/L
Vinyl Acetate	ND	10		ug/L
1,1-Dichloroethane	ND	0.5		ug/L
2-Butanone	ND	10		ug/L
cis-1,2-Dichloroethene	ND	0.5		ug/L
2,2-Dichloropropane	ND	0.5		ug/L
Chloroform	ND	2.0		ug/L
Bromochloromethane	ND	0.5		ug/L
1,1,1-Trichloroethane	ND	0.5		ug/L
1,1-Dichloropropene	ND	0.5		ug/L
Carbon Tetrachloride	ND	0.5		ug/L
1,2-Dichloroethane	ND	0.5		ug/L
Benzene	ND	0.5		ug/L
Trichloroethene	ND	0.5		ug/L
1,2-Dichloropropane	ND	0.5		ug/L
Bromodichloromethane	ND	0.5		ug/L
Dibromomethane	ND	0.5		ug/L
4-Methyl-2-Pentanone	ND	10		ug/L
cis-1,3-Dichloropropene	ND	0.5		ug/L
Toluene	ND	0.5		ug/L
trans-1,3-Dichloropropene	ND	0.5		ug/L
1,1,2-Trichloroethane	ND	0.5		ug/L
2-Hexanone	ND	10		ug/L
1,3-Dichloropropane	ND	0.5		ug/L
Tetrachloroethene	ND	0.5		ug/L
Dibromochloromethane	ND	0.5		ug/L
1,2-Dibromoethane	ND	0.5		ug/L
Chlorobenzene	ND	0.5		ug/L
1,1,1,2-Tetrachloroethane	ND	0.5		ug/L

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Analyte	Result	RL	MDL	Units
Ethylbenzene	ND	0.5		ug/L
m,p-Xylenes	ND	0.5		ug/L
o-Xylene	ND	0.5		ug/L
Styrene	ND	0.5		ug/L
Bromoform	ND	1.0		ug/L
Isopropylbenzene	ND	0.5		ug/L
1,1,2,2-Tetrachloroethane	ND	0.5		ug/L
1,2,3-Trichloropropane	ND	0.5		ug/L
Propylbenzene	ND	0.5		ug/L
Bromobenzene	ND	0.5		ug/L
1,3,5-Trimethylbenzene	ND	0.5		ug/L
2-Chlorotoluene	ND	0.5		ug/L
4-Chlorotoluene	ND	0.5		ug/L
tert-Butylbenzene	ND	0.5		ug/L
1,2,4-Trimethylbenzene	ND	0.5		ug/L
sec-Butylbenzene	ND	0.5		ug/L
para-Isopropyl Toluene	ND	0.5		ug/L
1,3-Dichlorobenzene	ND	0.5		ug/L
1,4-Dichlorobenzene	ND	0.5		ug/L
n-Butylbenzene	ND	0.5		ug/L
1,2-Dichlorobenzene	ND	0.5		ug/L
1,2-Dibromo-3-Chloropropane	ND	2.0		ug/L
1,2,4-Trichlorobenzene	ND	0.5		ug/L
Hexachlorobutadiene	ND	2.0		ug/L
Naphthalene	ND	2.0		ug/L
1,2,3-Trichlorobenzene	ND	0.5		ug/L

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	138 *	80-120
Toluene-d8	106	80-120
Bromofluorobenzene	112	80-120

Legend

***:** Value is outside QC limits

MDL: Method Detection Limit

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Field ID: MW5 **Batch#:** 276256 **Prep:** EPA 5030B

Lab ID: 315808-005 **Sampled:** 11/12/19 **Analysis:** EPA 8260B

Matrix: Water **Received:** 11/12/19

Diln Fac: 1.000 **Analyzed:** 11/20/19

Analyte	Result	RL	MDL	Units
Freon 12	ND	1.0		ug/L
Chloromethane	ND	1.0		ug/L
Vinyl Chloride	ND	0.5	0.1	ug/L
Bromomethane	ND	1.0		ug/L
Chloroethane	ND	1.0		ug/L
Trichlorofluoromethane	ND	1.0		ug/L
Acetone	ND	10		ug/L
Freon 113	ND	2.0		ug/L
1,1-Dichloroethene	ND	0.5		ug/L
Methylene Chloride	ND	10		ug/L
Carbon Disulfide	ND	0.5		ug/L
MTBE	ND	0.5		ug/L
trans-1,2-Dichloroethene	ND	0.5		ug/L
Vinyl Acetate	ND	10		ug/L
1,1-Dichloroethane	ND	0.5		ug/L
2-Butanone	ND	10		ug/L
cis-1,2-Dichloroethene	ND	0.5		ug/L
2,2-Dichloropropane	ND	0.5		ug/L
Chloroform	ND	2.0		ug/L
Bromochloromethane	ND	0.5		ug/L
1,1,1-Trichloroethane	ND	0.5		ug/L
1,1-Dichloropropene	ND	0.5		ug/L
Carbon Tetrachloride	ND	0.5		ug/L
1,2-Dichloroethane	ND	0.5		ug/L
Benzene	ND	0.5		ug/L
Trichloroethene	ND	0.5		ug/L
1,2-Dichloropropane	ND	0.5		ug/L
Bromodichloromethane	ND	0.5		ug/L
Dibromomethane	ND	0.5		ug/L
4-Methyl-2-Pentanone	ND	10		ug/L
cis-1,3-Dichloropropene	ND	0.5		ug/L
Toluene	ND	0.5		ug/L
trans-1,3-Dichloropropene	ND	0.5		ug/L
1,1,2-Trichloroethane	ND	0.5		ug/L
2-Hexanone	ND	10		ug/L
1,3-Dichloropropane	ND	0.5		ug/L
Tetrachloroethene	ND	0.5		ug/L
Dibromochloromethane	ND	0.5		ug/L
1,2-Dibromoethane	ND	0.5		ug/L
Chlorobenzene	ND	0.5		ug/L
1,1,1,2-Tetrachloroethane	ND	0.5		ug/L

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Analyte	Result	RL	MDL	Units
Ethylbenzene	ND	0.5		ug/L
m,p-Xylenes	ND	0.5		ug/L
o-Xylene	ND	0.5		ug/L
Styrene	ND	0.5		ug/L
Bromoform	ND	1.0		ug/L
Isopropylbenzene	ND	0.5		ug/L
1,1,2,2-Tetrachloroethane	ND	0.5		ug/L
1,2,3-Trichloropropane	ND	0.5		ug/L
Propylbenzene	ND	0.5		ug/L
Bromobenzene	ND	0.5		ug/L
1,3,5-Trimethylbenzene	ND	0.5		ug/L
2-Chlorotoluene	ND	0.5		ug/L
4-Chlorotoluene	ND	0.5		ug/L
tert-Butylbenzene	ND	0.5		ug/L
1,2,4-Trimethylbenzene	ND	0.5		ug/L
sec-Butylbenzene	ND	0.5		ug/L
para-Isopropyl Toluene	ND	0.5		ug/L
1,3-Dichlorobenzene	ND	0.5		ug/L
1,4-Dichlorobenzene	ND	0.5		ug/L
n-Butylbenzene	ND	0.5		ug/L
1,2-Dichlorobenzene	ND	0.5		ug/L
1,2-Dibromo-3-Chloropropane	ND	2.0		ug/L
1,2,4-Trichlorobenzene	ND	0.5		ug/L
Hexachlorobutadiene	ND	2.0		ug/L
Naphthalene	ND	2.0		ug/L
1,2,3-Trichlorobenzene	ND	0.5		ug/L

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	137 *	80-120
Toluene-d8	105	80-120
Bromofluorobenzene	114	80-120

Legend

***:** Value is outside QC limits

MDL: Method Detection Limit

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Type: BS **Matrix:** Water **Batch#:** 276402 **Prep:** EPA 5030B

Lab ID: QC1000154 **Dil n Fac:** 1.000 **Analyzed:** 11/25/19 **Analysis:** EPA 8260B

Analyte	Spiked	Result	%REC	Limits	Units
1,1-Dichloroethene	10.00	10.04	100	71-129	ug/L
Benzene	10.00	9.652	97	77-120	ug/L
Trichloroethene	10.00	9.730	97	73-120	ug/L
Toluene	10.00	10.07	101	78-120	ug/L
Chlorobenzene	10.00	10.10	101	80-120	ug/L

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	111	80-120
Toluene-d8	105	80-120
Bromofluorobenzene	98	80-120

Type: BSD **Matrix:** Water **Batch#:** 276402 **Prep:** EPA 5030B

Lab ID: QC1000155 **Dil n Fac:** 1.000 **Analyzed:** 11/25/19 **Analysis:** EPA 8260B

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
1,1-Dichloroethene	10.00	10.03	100	71-129	ug/L	0	20
Benzene	10.00	9.840	98	77-120	ug/L	2	20
Trichloroethene	10.00	9.945	99	73-120	ug/L	2	20
Toluene	10.00	10.35	104	78-120	ug/L	3	20
Chlorobenzene	10.00	10.44	104	80-120	ug/L	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	110	80-120
Toluene-d8	105	80-120
Bromofluorobenzene	97	80-120

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Type: BLANK **Matrix:** Water **Batch#:** 276402 **Prep:** EPA 5030B

Lab ID: QC1000156 **Dil'n Fac:** 1.000 **Analyzed:** 11/25/19 **Analysis:** EPA 8260B

Analyte	Result	RL	MDL	Units
Freon 12	ND	1.0		ug/L
Chloromethane	ND	1.0		ug/L
Vinyl Chloride	ND	0.5	0.1	ug/L
Bromomethane	ND	1.0		ug/L
Chloroethane	ND	1.0		ug/L
Trichlorofluoromethane	ND	1.0		ug/L
Acetone	ND	10		ug/L
Freon 113	ND	2.0		ug/L
1,1-Dichloroethene	ND	0.5		ug/L
Methylene Chloride	ND	10		ug/L
Carbon Disulfide	ND	0.5		ug/L
MTBE	ND	0.5		ug/L
trans-1,2-Dichloroethene	ND	0.5		ug/L
Vinyl Acetate	ND	10		ug/L
1,1-Dichloroethane	ND	0.5		ug/L
2-Butanone	ND	10		ug/L
cis-1,2-Dichloroethene	ND	0.5		ug/L
2,2-Dichloropropane	ND	0.5		ug/L
Chloroform	ND	0.5		ug/L
Bromochloromethane	ND	0.5		ug/L
1,1,1-Trichloroethane	ND	0.5		ug/L
1,1-Dichloropropene	ND	0.5		ug/L
Carbon Tetrachloride	ND	0.5		ug/L
1,2-Dichloroethane	ND	0.5		ug/L
Benzene	ND	0.5		ug/L
Trichloroethene	ND	0.5		ug/L
1,2-Dichloropropane	ND	0.5		ug/L
Bromodichloromethane	ND	0.5		ug/L
Dibromomethane	ND	0.5		ug/L
4-Methyl-2-Pentanone	ND	10		ug/L
cis-1,3-Dichloropropene	ND	0.5		ug/L
Toluene	ND	0.5		ug/L
trans-1,3-Dichloropropene	ND	0.5		ug/L
1,1,2-Trichloroethane	ND	0.5		ug/L
2-Hexanone	ND	10		ug/L
1,3-Dichloropropane	ND	0.5		ug/L
Tetrachloroethene	ND	0.5		ug/L
Dibromochloromethane	ND	0.5		ug/L
1,2-Dibromoethane	ND	0.5		ug/L
Chlorobenzene	ND	0.5		ug/L
1,1,1,2-Tetrachloroethane	ND	0.5		ug/L
Ethylbenzene	ND	0.5		ug/L
m,p-Xylenes	ND	0.5		ug/L

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Analyte	Result	RL	MDL	Units
o-Xylene	ND	0.5		ug/L
Styrene	ND	0.5		ug/L
Bromoform	ND	1.0		ug/L
Isopropylbenzene	ND	0.5		ug/L
1,1,2,2-Tetrachloroethane	ND	0.5		ug/L
1,2,3-Trichloropropane	ND	0.5		ug/L
Propylbenzene	ND	0.5		ug/L
Bromobenzene	ND	0.5		ug/L
1,3,5-Trimethylbenzene	ND	0.5		ug/L
2-Chlorotoluene	ND	0.5		ug/L
4-Chlorotoluene	ND	0.5		ug/L
tert-Butylbenzene	ND	0.5		ug/L
1,2,4-Trimethylbenzene	ND	0.5		ug/L
sec-Butylbenzene	ND	0.5		ug/L
para-Isopropyl Toluene	ND	0.5		ug/L
1,3-Dichlorobenzene	ND	0.5		ug/L
1,4-Dichlorobenzene	ND	0.5		ug/L
n-Butylbenzene	ND	0.5		ug/L
1,2-Dichlorobenzene	ND	0.5		ug/L
1,2-Dibromo-3-Chloropropane	ND	2.0		ug/L
1,2,4-Trichlorobenzene	ND	0.8		ug/L
Hexachlorobutadiene	ND	2.0		ug/L
Naphthalene	ND	2.0		ug/L
1,2,3-Trichlorobenzene	ND	0.8		ug/L

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	113	80-120
Toluene-d8	104	80-120
Bromofluorobenzene	99	80-120

Legend

MDL: Method Detection Limit

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Type: BS **Matrix:** Water **Batch#:** 276256 **Prep:** EPA 5030B

Lab ID: QC999523 **Dil'n Fac:** 1.000 **Analyzed:** 11/20/19 **Analysis:** EPA 8260B

Analyte	Spiked	Result	%REC	Limits	Units
1,1-Dichloroethene	15.00	16.25	108	71-129	ug/L
Benzene	15.00	15.08	101	77-120	ug/L
Trichloroethene	15.00	15.13	101	73-120	ug/L
Toluene	15.00	14.71	98	78-120	ug/L
Chlorobenzene	15.00	14.29	95	80-120	ug/L

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	134 *	80-120
Toluene-d8	105	80-120
Bromofluorobenzene	115	80-120

Type: BSD **Matrix:** Water **Batch#:** 276256 **Prep:** EPA 5030B

Lab ID: QC999524 **Dil'n Fac:** 1.000 **Analyzed:** 11/20/19 **Analysis:** EPA 8260B

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
1,1-Dichloroethene	15.00	18.54	124	71-129	ug/L	13	20
Benzene	15.00	15.72	105	77-120	ug/L	4	20
Trichloroethene	15.00	16.75	112	73-120	ug/L	10	20
Toluene	15.00	15.92	106	78-120	ug/L	8	20
Chlorobenzene	15.00	14.99	100	80-120	ug/L	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	129 *	80-120
Toluene-d8	106	80-120
Bromofluorobenzene	104	80-120

Legend

*: Value is outside QC limits

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Type: BLANK **Matrix:** Water **Batch#:** 276256 **Prep:** EPA 5030B

Lab ID: QC999525 **DiIn Fac:** 1.000 **Analyzed:** 11/20/19 **Analysis:** EPA 8260B

Analyte	Result	RL	MDL	Units
Freon 12	ND	1.0		ug/L
Chloromethane	ND	1.0		ug/L
Vinyl Chloride	ND	0.5	0.1	ug/L
Bromomethane	ND	1.0		ug/L
Chloroethane	ND	1.0		ug/L
Trichlorofluoromethane	ND	1.0		ug/L
Acetone	ND	10		ug/L
Freon 113	ND	2.0		ug/L
1,1-Dichloroethene	ND	0.5		ug/L
Methylene Chloride	ND	10		ug/L
Carbon Disulfide	ND	0.5		ug/L
MTBE	ND	0.5		ug/L
trans-1,2-Dichloroethene	ND	0.5		ug/L
Vinyl Acetate	ND	10		ug/L
1,1-Dichloroethane	ND	0.5		ug/L
2-Butanone	ND	10		ug/L
cis-1,2-Dichloroethene	ND	0.5		ug/L
2,2-Dichloropropane	ND	0.5		ug/L
Chloroform	ND	2.0		ug/L
Bromochloromethane	ND	0.5		ug/L
1,1,1-Trichloroethane	ND	0.5		ug/L
1,1-Dichloropropene	ND	0.5		ug/L
Carbon Tetrachloride	ND	0.5		ug/L
1,2-Dichloroethane	ND	0.5		ug/L
Benzene	ND	0.5		ug/L
Trichloroethene	ND	0.5		ug/L
1,2-Dichloropropane	ND	0.5		ug/L
Bromodichloromethane	ND	0.5		ug/L
Dibromomethane	ND	0.5		ug/L
4-Methyl-2-Pentanone	ND	10		ug/L
cis-1,3-Dichloropropene	ND	0.5		ug/L
Toluene	ND	0.5		ug/L
trans-1,3-Dichloropropene	ND	0.5		ug/L
1,1,2-Trichloroethane	ND	0.5		ug/L
2-Hexanone	ND	10		ug/L
1,3-Dichloropropane	ND	0.5		ug/L
Tetrachloroethene	ND	0.5		ug/L
Dibromochloromethane	ND	0.5		ug/L
1,2-Dibromoethane	ND	0.5		ug/L
Chlorobenzene	ND	0.5		ug/L
1,1,1,2-Tetrachloroethane	ND	0.5		ug/L
Ethylbenzene	ND	0.5		ug/L
m,p-Xylenes	ND	0.5		ug/L

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 315808 **Project#:** 19-032.12

Client: Envirocom **Location:** Milligan

Analyte	Result	RL	MDL	Units
o-Xylene	ND	0.5		ug/L
Styrene	ND	0.5		ug/L
Bromoform	ND	1.0		ug/L
Isopropylbenzene	ND	0.5		ug/L
1,1,2,2-Tetrachloroethane	ND	0.5		ug/L
1,2,3-Trichloropropane	ND	0.5		ug/L
Propylbenzene	ND	0.5		ug/L
Bromobenzene	ND	0.5		ug/L
1,3,5-Trimethylbenzene	ND	0.5		ug/L
2-Chlorotoluene	ND	0.5		ug/L
4-Chlorotoluene	ND	0.5		ug/L
tert-Butylbenzene	ND	0.5		ug/L
1,2,4-Trimethylbenzene	ND	0.5		ug/L
sec-Butylbenzene	ND	0.5		ug/L
para-Isopropyl Toluene	ND	0.5		ug/L
1,3-Dichlorobenzene	ND	0.5		ug/L
1,4-Dichlorobenzene	ND	0.5		ug/L
n-Butylbenzene	ND	0.5		ug/L
1,2-Dichlorobenzene	ND	0.5		ug/L
1,2-Dibromo-3-Chloropropane	ND	2.0		ug/L
1,2,4-Trichlorobenzene	ND	0.5		ug/L
Hexachlorobutadiene	ND	2.0		ug/L
Naphthalene	ND	2.0		ug/L
1,2,3-Trichlorobenzene	ND	0.5		ug/L

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-120
1,2-Dichloroethane-d4	125 *	80-120
Toluene-d8	108	80-120
Bromofluorobenzene	108	80-120

Legend

***:** Value is outside QC limits

MDL: Method Detection Limit

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900

enthalpy.com

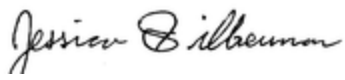
Lab Job Number: 315800
Report Level: II
Report Date: 12/13/2019

Analytical Report *prepared for:*

Mitch Hajiaghai
Envirocom
800 Charcot Avenue
Suite 114
San Jose, CA 95131

Project: 19-032.11 - Milligan

Authorized for release by:



Jess Silberman, Project Manager
(510) 204-2223
Jessica.Silberman@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 2896, NELAP# 4044-001

ENTHALPY ANALYTICAL

Sample Summary

Mitch Hajiaghai
Envirocom
800 Charcot Avenue
Suite 114
San Jose, CA 95131

Lab Job #:	315800
Project No:	19-032.11
Location:	Milligan
Date Received:	11/12/19

Sample ID	Lab ID	Collected	Matrix
MSG1	315800-001	11/12/19 00:00	Air
MSG2	315800-002	11/12/19 00:00	Air
MSG3	315800-003	11/12/19 00:00	Air
MSG4	315800-004	11/12/19 00:00	Air
MSG5	315800-005	11/12/19 00:00	Air

Case Narrative

Envirocom	Lab Job Number: 315800
800 Charcot Avenue	Project No: 19-032.11
Suite 114	Location: Milligan
San Jose, CA 95131	Date Received: 11/12/19
Mitch Hajiaghai	

This data package contains sample and QC results for five air samples, requested for the above referenced project on 11/12/19. The samples were received intact.

Volatile Organics in Air by MS (EPA TO-15):
Enthalpy Analytical (Orange) in Orange, CA performed the analysis (NELAP certified). Please see the Enthalpy Analytical (Orange) case narrative.

Volatile Organics in Air (EPA TO-3):
Enthalpy Analytical (Orange) in Orange, CA performed the analysis (not NELAP certified). Please see the Enthalpy Analytical (Orange) case narrative.

ENVIROCOM

315800

CHAIN OF CUSTODY

Project Name: Milligan **Project No:** 19-032.11 **Date:** 11/12/19

Project Location 150 N. Autumn Street, 5th **Client:** City of San Jose **Sampler:** Mitch Hajiaghai

Sample ID	Date Sampled	Sampling Time	Matrix	N° of Containers	Analysis Requested	Turnaround Time
					TO-15	
MSG1	11/12/19		Air	1	X	24-hour Other ___ Normal
MSG2						24-hour Other ___ Normal
MSG3						24-hour Other ___ Normal
MSG4						24-hour Other ___ Normal
MSG5						24-hour Other ___ Normal
						24-hour Other ___ Normal
						24-hour Other ___ Normal
						24-hour Other ___ Normal

NOTES:

Relinquished by	Date	Time	Received by	Date	Time
[signature]	11/12/19	15:10	[signature]	11/12/19	15:10
[signature]	11/12/19	17:45	[signature]	11/12/19	17:50

P.O. Box 28310 • San Jose • California • 95159
Phone (408) 894-9062 • Fax (408) 894-9063

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 315700 Client: Enviocom

Date Received: 11/12/19 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☐ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☐ Yes, how many? _____ ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened _____ By (print)_____ (sign)_____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe)_____

☐ Bubble Wrap, ☐ Foam blocks, ☐ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☐ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID:_____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1:_____, #2:_____, #3:_____, #4:_____, #5:_____, #6:_____, #7:_____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		—	
If YES, what time were they transferred to freezer?_____			
Did all bottles arrive unbroken/unopened?	—		
Are there any missing / extra samples?		—	
Are samples in the appropriate containers for indicated tests?	—		
Are sample labels present, in good condition and complete?	—		
Does the container count match the COC?	—		
Do the sample labels agree with custody papers?	—		
Was sufficient amount of sample sent for tests requested?	—		
Did you change the hold time in LIMS for unpreserved VOAs?			—
Did you change the hold time in LIMS for preserved terracores?			—
Are bubbles > 6mm present in VOA samples?			—
Was the client contacted concerning this sample delivery?		—	
If YES, who was called?_____ By_____ Date:_____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			✓
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot#_____ added to samples _____ on/at _____

☐ HCL lot#_____ added to samples _____ on/at _____

☐ HNO3 lot#_____ added to samples _____ on/at _____

☐ NaOH lot#_____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 11/12/19 **By (print)** AC **(sign)** _____

Date Labeled 11/12/19 **By (print)** AC **(sign)** _____

Laboratory Job Number 315800

Subcontracted Products

Enthalpy Analytical (Orange)

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Enthalpy - Berkeley
Address: 2323 Fifth Street
Berkeley, CA 94710

Attn: Jessica Silberman

Comments: Project Number: 315800
Site: Milligan

Lab Request: 421288
Report Date: 12/13/2019
Date Received: 11/13/2019
Client ID: 15279

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
421288-001	MSG1
421288-002	MSG2
421288-003	MSG3
421288-004	MSG4
421288-005	MSG5

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Lisa Nguyen, PM

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

Matrix:	Air	**Client:**	Enthalpy - Berkeley	**Collector:**	Client
Sampled:	11/12/2019 00:00	**Site:**			
Sample #:	**421288-001**	**Client Sample #:**	MSG1	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA TO-15 Prep Method: Method							QCBatchID: QC1208749		
1,1,1-Trichloroethane	ND	20	1.02	110	ug/m3		11/15/19 07:52	GO	
1,1,2,2-Tetrachloroethane	ND	20	2.9	138	ug/m3		11/15/19 07:52	GO	
1,1,2-Trichloroethane	ND	20	1.4	110	ug/m3		11/15/19 07:52	GO	
1,1,2-Trichlorotrifluoroethane	ND	20	2.44	154	ug/m3		11/15/19 07:52	GO	
1,1-Dichloroethane	ND	20	1.36	80	ug/m3		11/15/19 07:52	GO	
1,1-Dichloroethene	ND	20	1.9	80	ug/m3		11/15/19 07:52	GO	
1,2,4-Trichlorobenzene	ND	20	30	148	ug/m3		11/15/19 07:52	GO	
1,2,4-Trimethylbenzene	ND	20	2.46	98	ug/m3		11/15/19 07:52	GO	
1,2-Dibromoethane	ND	20	2.26	154	ug/m3		11/15/19 07:52	GO	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	20	2.32	140	ug/m3		11/15/19 07:52	GO	
1,2-Dichlorobenzene	ND	20	2.18	120	ug/m3		11/15/19 07:52	GO	
1,2-Dichloroethane	ND	20	1.14	80	ug/m3		11/15/19 07:52	GO	
1,2-Dichloropropane	ND	20	1.22	92	ug/m3		11/15/19 07:52	GO	
1,3,5-Trimethylbenzene	ND	20	2.34	98	ug/m3		11/15/19 07:52	GO	
1,3-Butadiene	ND	20	0.62	44	ug/m3		11/15/19 07:52	GO	
1,3-Dichlorobenzene	ND	20	2.26	120	ug/m3		11/15/19 07:52	GO	
1,4-Dichlorobenzene	ND	20	1.86	120	ug/m3		11/15/19 07:52	GO	
1,4-Dioxane	ND	20	1.48	360	ug/m3		11/15/19 07:52	GO	
2-Butanone (MEK)	ND	20	1.04	300	ug/m3		11/15/19 07:52	GO	
2-Hexanone	ND	20	1.32	400	ug/m3		11/15/19 07:52	GO	
4-Ethyltoluene	ND	20	2.1	98	ug/m3		11/15/19 07:52	GO	
4-Methyl-2-pentanone (MIBK)	ND	20	1.62	82	ug/m3		11/15/19 07:52	GO	
Acetone	**67.4 J**	20	1.32	240	ug/m3		11/15/19 07:52	GO	J
Benzene	ND	20	0.64	64	ug/m3		11/15/19 07:52	GO	
Benzyl Chloride	ND	20	2.24	104	ug/m3		11/15/19 07:52	GO	
Bromodichloromethane	ND	20	1	134	ug/m3		11/15/19 07:52	GO	
Bromoform	ND	20	3.68	200	ug/m3		11/15/19 07:52	GO	
Bromomethane	ND	20	1.08	78	ug/m3		11/15/19 07:52	GO	
Carbon disulfide	ND	20	0.74	62	ug/m3		11/15/19 07:52	GO	
Carbon Tetrachloride	ND	20	2.08	126	ug/m3		11/15/19 07:52	GO	
Chlorobenzene	ND	20	1.52	92	ug/m3		11/15/19 07:52	GO	
Chlorodibromomethane	ND	20	1.58	170	ug/m3		11/15/19 07:52	GO	
Chloroethane	ND	20	1.44	52	ug/m3		11/15/19 07:52	GO	
Chloroform	ND	20	1.42	98	ug/m3		11/15/19 07:52	GO	
Chloromethane	ND	20	0.64	42	ug/m3		11/15/19 07:52	GO	
cis-1,2-Dichloroethene	ND	20	1.2	80	ug/m3		11/15/19 07:52	GO	
cis-1,3-dichloropropene	ND	20	0.98	90	ug/m3		11/15/19 07:52	GO	
Cyclohexane	**62.4 J**	20	0.96	68	ug/m3		11/15/19 07:52	GO	J
Dichlorodifluoromethane	ND	20	1.32	98	ug/m3		11/15/19 07:52	GO	
Ethyl Acetate	ND	20	1.86	360	ug/m3		11/15/19 07:52	GO	
Ethylbenzene	ND	20	1.28	86	ug/m3		11/15/19 07:52	GO	
Heptane	**20.7 J**	20	1.16	82	ug/m3		11/15/19 07:52	GO	J
Hexachlorobutadiene	ND	20	42	220	ug/m3		11/15/19 07:52	GO	
Hexane	**42.5 J**	20	1.3	70	ug/m3		11/15/19 07:52	GO	J
Isopropyl alcohol (IPA)	**17.2 J**	20	1.14	240	ug/m3		11/15/19 07:52	GO	J
m and p-Xylene	ND	20	2.48	86	ug/m3		11/15/19 07:52	GO	
Methylene chloride	**18.5 J**	20	0.98	70	ug/m3		11/15/19 07:52	GO	J
Methyl-t-butyl Ether (MTBE)	ND	20	11.48	72	ug/m3		11/15/19 07:52	GO	
Naphthalene	ND	20	0.92	104	ug/m3		11/15/19 07:52	GO	
o-Xylene	ND	20	1.2	86	ug/m3		11/15/19 07:52	GO	
Propene	ND	20	2.58	34	ug/m3		11/15/19 07:52	GO	
Styrene	ND	20	1.34	84	ug/m3		11/15/19 07:52	GO	
Tetrachloroethene	ND	20	1.52	136	ug/m3		11/15/19 07:52	GO	
Toluene	**180**	20	0.76	76	ug/m3		11/15/19 07:52	GO	

Matrix:	Air	**Client:**	Enthalpy - Berkeley	**Collector:**	Client
Sampled:	11/12/2019 00:00	**Site:**			
Sample #:	**421288-001**	**Client Sample #:**	MSG1	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
trans-1,2-dichloroethene	ND	20	1.34	80	ug/m3		11/15/19 07:52	GO	
trans-1,3-dichloropropene	ND	20	1.22	90	ug/m3		11/15/19 07:52	GO	
Trichloroethene	ND	20	1.4	108	ug/m3		11/15/19 07:52	GO	
Trichlorofluoromethane	ND	20	1.76	112	ug/m3		11/15/19 07:52	GO	
Vinyl acetate	ND	20	0.8	70	ug/m3		11/15/19 07:52	GO	
Vinyl Chloride	ND	20	0.9	52	ug/m3		11/15/19 07:52	GO	
Xylenes (Total)	ND	20	1.2	86	ug/m3		11/15/19 07:52	GO	

Surrogate	*% Recovery*	*Limits*	*Notes*
4-Bromofluorobenzene (SUR)	*94*	*60-140*	

Method: EPA TO-3M Prep Method: Method QCBatchID: QC1209046

TPH gasoline ugM3	ND	1	1227	20450	ug/m3		11/19/19 15:03	EW	T

Matrix:	Air	**Client:**	Enthalpy - Berkeley	**Collector:**	Client
Sampled:	11/12/2019 00:00	**Site:**			
Sample #:	**421288-002**	**Client Sample #:**	MSG2	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA TO-15 Prep Method: Method							QCBatchID: QC1208749		
1,1,1-Trichloroethane	ND	20	1.02	110	ug/m3		11/15/19 08:35	GO	
1,1,2,2-Tetrachloroethane	ND	20	2.9	138	ug/m3		11/15/19 08:35	GO	
1,1,2-Trichloroethane	ND	20	1.4	110	ug/m3		11/15/19 08:35	GO	
1,1,2-Trichlorotrifluoroethane	ND	20	2.44	154	ug/m3		11/15/19 08:35	GO	
1,1-Dichloroethane	ND	20	1.36	80	ug/m3		11/15/19 08:35	GO	
1,1-Dichloroethene	ND	20	1.9	80	ug/m3		11/15/19 08:35	GO	
1,2,4-Trichlorobenzene	ND	20	30	148	ug/m3		11/15/19 08:35	GO	
1,2,4-Trimethylbenzene	ND	20	2.46	98	ug/m3		11/15/19 08:35	GO	
1,2-Dibromoethane	ND	20	2.26	154	ug/m3		11/15/19 08:35	GO	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	20	2.32	140	ug/m3		11/15/19 08:35	GO	
1,2-Dichlorobenzene	ND	20	2.18	120	ug/m3		11/15/19 08:35	GO	
1,2-Dichloroethane	ND	20	1.14	80	ug/m3		11/15/19 08:35	GO	
1,2-Dichloropropane	ND	20	1.22	92	ug/m3		11/15/19 08:35	GO	
1,3,5-Trimethylbenzene	ND	20	2.34	98	ug/m3		11/15/19 08:35	GO	
1,3-Butadiene	ND	20	0.62	44	ug/m3		11/15/19 08:35	GO	
1,3-Dichlorobenzene	ND	20	2.26	120	ug/m3		11/15/19 08:35	GO	
1,4-Dichlorobenzene	ND	20	1.86	120	ug/m3		11/15/19 08:35	GO	
1,4-Dioxane	ND	20	1.48	360	ug/m3		11/15/19 08:35	GO	
2-Butanone (MEK)	ND	20	1.04	300	ug/m3		11/15/19 08:35	GO	
2-Hexanone	ND	20	1.32	400	ug/m3		11/15/19 08:35	GO	
4-Ethyltoluene	ND	20	2.1	98	ug/m3		11/15/19 08:35	GO	
4-Methyl-2-pentanone (MIBK)	**34.6 J**	20	1.62	82	ug/m3		11/15/19 08:35	GO	J
Acetone	**120 J**	20	1.32	240	ug/m3		11/15/19 08:35	GO	J
Benzene	**38.1 J**	20	0.64	64	ug/m3		11/15/19 08:35	GO	J
Benzyl Chloride	ND	20	2.24	104	ug/m3		11/15/19 08:35	GO	
Bromodichloromethane	ND	20	1	134	ug/m3		11/15/19 08:35	GO	
Bromoform	ND	20	3.68	200	ug/m3		11/15/19 08:35	GO	
Bromomethane	ND	20	1.08	78	ug/m3		11/15/19 08:35	GO	
Carbon disulfide	ND	20	0.74	62	ug/m3		11/15/19 08:35	GO	
Carbon Tetrachloride	ND	20	2.08	126	ug/m3		11/15/19 08:35	GO	
Chlorobenzene	ND	20	1.52	92	ug/m3		11/15/19 08:35	GO	
Chlorodibromomethane	ND	20	1.58	170	ug/m3		11/15/19 08:35	GO	
Chloroethane	ND	20	1.44	52	ug/m3		11/15/19 08:35	GO	
Chloroform	ND	20	1.42	98	ug/m3		11/15/19 08:35	GO	
Chloromethane	ND	20	0.64	42	ug/m3		11/15/19 08:35	GO	
cis-1,2-Dichloroethene	ND	20	1.2	80	ug/m3		11/15/19 08:35	GO	
cis-1,3-dichloropropene	ND	20	0.98	90	ug/m3		11/15/19 08:35	GO	
Cyclohexane	**420**	20	0.96	68	ug/m3		11/15/19 08:35	GO	
Dichlorodifluoromethane	ND	20	1.32	98	ug/m3		11/15/19 08:35	GO	
Ethyl Acetate	ND	20	1.86	360	ug/m3		11/15/19 08:35	GO	
Ethylbenzene	ND	20	1.28	86	ug/m3		11/15/19 08:35	GO	
Heptane	**120**	20	1.16	82	ug/m3		11/15/19 08:35	GO	
Hexachlorobutadiene	ND	20	42	220	ug/m3		11/15/19 08:35	GO	
Hexane	**300**	20	1.3	70	ug/m3		11/15/19 08:35	GO	
Isopropyl alcohol (IPA)	**22.5 J**	20	1.14	240	ug/m3		11/15/19 08:35	GO	J
m and p-Xylene	**36.4 J**	20	2.48	86	ug/m3		11/15/19 08:35	GO	J
Methylene chloride	**17.7 J**	20	0.98	70	ug/m3		11/15/19 08:35	GO	J
Methyl-t-butyl Ether (MTBE)	ND	20	11.48	72	ug/m3		11/15/19 08:35	GO	
Naphthalene	ND	20	0.92	104	ug/m3		11/15/19 08:35	GO	
o-Xylene	ND	20	1.2	86	ug/m3		11/15/19 08:35	GO	
Propene	ND	20	2.58	34	ug/m3		11/15/19 08:35	GO	
Styrene	ND	20	1.34	84	ug/m3		11/15/19 08:35	GO	
Tetrachloroethene	ND	20	1.52	136	ug/m3		11/15/19 08:35	GO	
Toluene	**440**	20	0.76	76	ug/m3		11/15/19 08:35	GO	

Matrix:	Air	**Client:**	Enthalpy - Berkeley	**Collector:**	Client
Sampled:	11/12/2019 00:00	**Site:**			
Sample #:	**421288-002**	**Client Sample #:**	MSG2	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
trans-1,2-dichloroethene	ND	20	1.34	80	ug/m3		11/15/19 08:35	GO	
trans-1,3-dichloropropene	ND	20	1.22	90	ug/m3		11/15/19 08:35	GO	
Trichloroethene	ND	20	1.4	108	ug/m3		11/15/19 08:35	GO	
Trichlorofluoromethane	ND	20	1.76	112	ug/m3		11/15/19 08:35	GO	
Vinyl acetate	ND	20	0.8	70	ug/m3		11/15/19 08:35	GO	
Vinyl Chloride	ND	20	0.9	52	ug/m3		11/15/19 08:35	GO	
Xylenes (Total)	**36.4 J**	20	1.2	86	ug/m3		11/15/19 08:35	GO	J

Surrogate	*% Recovery*	*Limits*	*Notes*
4-Bromofluorobenzene (SUR)	*102*	*60-140*	

Method: EPA TO-3M Prep Method: Method QCBatchID: QC1209046

TPH gasoline ugM3	ND	1	1227	20450	ug/m3		11/19/19 16:46	EW	T

Matrix:	Air	**Client:**	Enthalpy - Berkeley	**Collector:**	Client
Sampled:	11/12/2019 00:00	**Site:**			
Sample #:	**421288-003**	**Client Sample #:**	MSG3	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA TO-15 Prep Method: Method							QCBatchID: QC1208749		
1,1,1-Trichloroethane	ND	20	1.02	110	ug/m3		11/15/19 13:00	GO	
1,1,2,2-Tetrachloroethane	ND	20	2.9	138	ug/m3		11/15/19 13:00	GO	
1,1,2-Trichloroethane	ND	20	1.4	110	ug/m3		11/15/19 13:00	GO	
1,1,2-Trichlorotrifluoroethane	ND	20	2.44	154	ug/m3		11/15/19 13:00	GO	
1,1-Dichloroethane	ND	20	1.36	80	ug/m3		11/15/19 13:00	GO	
1,1-Dichloroethene	ND	20	1.9	80	ug/m3		11/15/19 13:00	GO	
1,2,4-Trichlorobenzene	ND	20	30	148	ug/m3		11/15/19 13:00	GO	
1,2,4-Trimethylbenzene	ND	20	2.46	98	ug/m3		11/15/19 13:00	GO	
1,2-Dibromoethane	ND	20	2.26	154	ug/m3		11/15/19 13:00	GO	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	20	2.32	140	ug/m3		11/15/19 13:00	GO	
1,2-Dichlorobenzene	ND	20	2.18	120	ug/m3		11/15/19 13:00	GO	
1,2-Dichloroethane	ND	20	1.14	80	ug/m3		11/15/19 13:00	GO	
1,2-Dichloropropane	ND	20	1.22	92	ug/m3		11/15/19 13:00	GO	
1,3,5-Trimethylbenzene	ND	20	2.34	98	ug/m3		11/15/19 13:00	GO	
1,3-Butadiene	ND	20	0.62	44	ug/m3		11/15/19 13:00	GO	
1,3-Dichlorobenzene	ND	20	2.26	120	ug/m3		11/15/19 13:00	GO	
1,4-Dichlorobenzene	ND	20	1.86	120	ug/m3		11/15/19 13:00	GO	
1,4-Dioxane	ND	20	1.48	360	ug/m3		11/15/19 13:00	GO	
2-Butanone (MEK)	ND	20	1.04	300	ug/m3		11/15/19 13:00	GO	
2-Hexanone	ND	20	1.32	400	ug/m3		11/15/19 13:00	GO	
4-Ethyltoluene	ND	20	2.1	98	ug/m3		11/15/19 13:00	GO	
4-Methyl-2-pentanone (MIBK)	ND	20	1.62	82	ug/m3		11/15/19 13:00	GO	
Acetone	**110 J**	20	1.32	240	ug/m3		11/15/19 13:00	GO	J
Benzene	**20.1 J**	20	0.64	64	ug/m3		11/15/19 13:00	GO	J
Benzyl Chloride	ND	20	2.24	104	ug/m3		11/15/19 13:00	GO	
Bromodichloromethane	ND	20	1	134	ug/m3		11/15/19 13:00	GO	
Bromoform	ND	20	3.68	200	ug/m3		11/15/19 13:00	GO	
Bromomethane	ND	20	1.08	78	ug/m3		11/15/19 13:00	GO	
Carbon disulfide	ND	20	0.74	62	ug/m3		11/15/19 13:00	GO	
Carbon Tetrachloride	ND	20	2.08	126	ug/m3		11/15/19 13:00	GO	
Chlorobenzene	ND	20	1.52	92	ug/m3		11/15/19 13:00	GO	
Chlorodibromomethane	ND	20	1.58	170	ug/m3		11/15/19 13:00	GO	
Chloroethane	ND	20	1.44	52	ug/m3		11/15/19 13:00	GO	
Chloroform	ND	20	1.42	98	ug/m3		11/15/19 13:00	GO	
Chloromethane	ND	20	0.64	42	ug/m3		11/15/19 13:00	GO	
cis-1,2-Dichloroethene	ND	20	1.2	80	ug/m3		11/15/19 13:00	GO	
cis-1,3-dichloropropene	ND	20	0.98	90	ug/m3		11/15/19 13:00	GO	
Cyclohexane	**64.9 J**	20	0.96	68	ug/m3		11/15/19 13:00	GO	J
Dichlorodifluoromethane	ND	20	1.32	98	ug/m3		11/15/19 13:00	GO	
Ethyl Acetate	ND	20	1.86	360	ug/m3		11/15/19 13:00	GO	
Ethylbenzene	ND	20	1.28	86	ug/m3		11/15/19 13:00	GO	
Heptane	**40.2 J**	20	1.16	82	ug/m3		11/15/19 13:00	GO	J
Hexachlorobutadiene	ND	20	42	220	ug/m3		11/15/19 13:00	GO	
Hexane	**44.5 J**	20	1.3	70	ug/m3		11/15/19 13:00	GO	J
Isopropyl alcohol (IPA)	**18.6 J**	20	1.14	240	ug/m3		11/15/19 13:00	GO	J
m and p-Xylene	**49.2 J**	20	2.48	86	ug/m3		11/15/19 13:00	GO	J
Methylene chloride	**15.8 J**	20	0.98	70	ug/m3		11/15/19 13:00	GO	J
Methyl-t-butyl Ether (MTBE)	ND	20	11.48	72	ug/m3		11/15/19 13:00	GO	
Naphthalene	ND	20	0.92	104	ug/m3		11/15/19 13:00	GO	
o-Xylene	ND	20	1.2	86	ug/m3		11/15/19 13:00	GO	
Propene	ND	20	2.58	34	ug/m3		11/15/19 13:00	GO	
Styrene	ND	20	1.34	84	ug/m3		11/15/19 13:00	GO	
Tetrachloroethene	ND	20	1.52	136	ug/m3		11/15/19 13:00	GO	
Toluene	**370**	20	0.76	76	ug/m3		11/15/19 13:00	GO	

Matrix:	Air	**Client:**	Enthalpy - Berkeley	**Collector:**	Client
Sampled:	11/12/2019 00:00	**Site:**			
Sample #:	**421288-003**	**Client Sample #:**	MSG3	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
trans-1,2-dichloroethene	ND	20	1.34	80	ug/m3		11/15/19 13:00	GO	
trans-1,3-dichloropropene	ND	20	1.22	90	ug/m3		11/15/19 13:00	GO	
Trichloroethene	ND	20	1.4	108	ug/m3		11/15/19 13:00	GO	
Trichlorofluoromethane	ND	20	1.76	112	ug/m3		11/15/19 13:00	GO	
Vinyl acetate	ND	20	0.8	70	ug/m3		11/15/19 13:00	GO	
Vinyl Chloride	ND	20	0.9	52	ug/m3		11/15/19 13:00	GO	
Xylenes (Total)	**49.2 J**	20	1.2	86	ug/m3		11/15/19 13:00	GO	J

Surrogate	*% Recovery*	*Limits*	*Notes*
4-Bromofluorobenzene (SUR)	*104*	*60-140*	

Method: EPA TO-3M Prep Method: Method QCBatchID: QC1209046

TPH gasoline ugM3	ND	1	1227	20450	ug/m3		11/19/19 17:22	EW	T

Matrix:	Air	**Client:**	Enthalpy - Berkeley	**Collector:**	Client
Sampled:	11/12/2019 00:00	**Site:**			
Sample #:	**421288-004**	**Client Sample #:**	MSG4	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA TO-15 Prep Method: Method							QCBatchID: QC1208888		
1,1,1-Trichloroethane	ND	20	1.02	110	ug/m3		11/15/19 19:53	GO	
1,1,2,2-Tetrachloroethane	ND	20	2.9	138	ug/m3		11/15/19 19:53	GO	
1,1,2-Trichloroethane	ND	20	1.4	110	ug/m3		11/15/19 19:53	GO	
1,1,2-Trichlorotrifluoroethane	ND	20	2.44	154	ug/m3		11/15/19 19:53	GO	
1,1-Dichloroethane	ND	20	1.36	80	ug/m3		11/15/19 19:53	GO	
1,1-Dichloroethene	ND	20	1.9	80	ug/m3		11/15/19 19:53	GO	
1,2,4-Trichlorobenzene	ND	20	30	148	ug/m3		11/15/19 19:53	GO	
1,2,4-Trimethylbenzene	ND	20	2.46	98	ug/m3		11/15/19 19:53	GO	
1,2-Dibromoethane	ND	20	2.26	154	ug/m3		11/15/19 19:53	GO	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	20	2.32	140	ug/m3		11/15/19 19:53	GO	
1,2-Dichlorobenzene	ND	20	2.18	120	ug/m3		11/15/19 19:53	GO	
1,2-Dichloroethane	ND	20	1.14	80	ug/m3		11/15/19 19:53	GO	
1,2-Dichloropropane	ND	20	1.22	92	ug/m3		11/15/19 19:53	GO	
1,3,5-Trimethylbenzene	ND	20	2.34	98	ug/m3		11/15/19 19:53	GO	
1,3-Butadiene	ND	20	0.62	44	ug/m3		11/15/19 19:53	GO	
1,3-Dichlorobenzene	ND	20	2.26	120	ug/m3		11/15/19 19:53	GO	
1,4-Dichlorobenzene	ND	20	1.86	120	ug/m3		11/15/19 19:53	GO	
1,4-Dioxane	ND	20	1.48	360	ug/m3		11/15/19 19:53	GO	
2-Butanone (MEK)	ND	20	1.04	300	ug/m3		11/15/19 19:53	GO	
2-Hexanone	ND	20	1.32	400	ug/m3		11/15/19 19:53	GO	
4-Ethyltoluene	ND	20	2.1	98	ug/m3		11/15/19 19:53	GO	
4-Methyl-2-pentanone (MIBK)	ND	20	1.62	82	ug/m3		11/15/19 19:53	GO	
Acetone	**68.9 J**	20	1.32	240	ug/m3		11/15/19 19:53	GO	J
Benzene	ND	20	0.64	64	ug/m3		11/15/19 19:53	GO	
Benzyl Chloride	ND	20	2.24	104	ug/m3		11/15/19 19:53	GO	
Bromodichloromethane	ND	20	1	134	ug/m3		11/15/19 19:53	GO	
Bromoform	ND	20	3.68	200	ug/m3		11/15/19 19:53	GO	
Bromomethane	ND	20	1.08	78	ug/m3		11/15/19 19:53	GO	
Carbon disulfide	ND	20	0.74	62	ug/m3		11/15/19 19:53	GO	
Carbon Tetrachloride	ND	20	2.08	126	ug/m3		11/15/19 19:53	GO	
Chlorobenzene	ND	20	1.52	92	ug/m3		11/15/19 19:53	GO	
Chlorodibromomethane	ND	20	1.58	170	ug/m3		11/15/19 19:53	GO	
Chloroethane	ND	20	1.44	52	ug/m3		11/15/19 19:53	GO	
Chloroform	ND	20	1.42	98	ug/m3		11/15/19 19:53	GO	
Chloromethane	ND	20	0.64	42	ug/m3		11/15/19 19:53	GO	
cis-1,2-Dichloroethene	ND	20	1.2	80	ug/m3		11/15/19 19:53	GO	
cis-1,3-dichloropropene	ND	20	0.98	90	ug/m3		11/15/19 19:53	GO	
Cyclohexane	**16.6 J**	20	0.96	68	ug/m3		11/15/19 19:53	GO	J
Dichlorodifluoromethane	ND	20	1.32	98	ug/m3		11/15/19 19:53	GO	
Ethyl Acetate	ND	20	1.86	360	ug/m3		11/15/19 19:53	GO	
Ethylbenzene	ND	20	1.28	86	ug/m3		11/15/19 19:53	GO	
Heptane	**17.3 J**	20	1.16	82	ug/m3		11/15/19 19:53	GO	J
Hexachlorobutadiene	ND	20	42	220	ug/m3		11/15/19 19:53	GO	
Hexane	ND	20	1.3	70	ug/m3		11/15/19 19:53	GO	
Isopropyl alcohol (IPA)	**24.9 J**	20	1.14	240	ug/m3		11/15/19 19:53	GO	J
m and p-Xylene	**23.7 J**	20	2.48	86	ug/m3		11/15/19 19:53	GO	J
Methylene chloride	**15.0 J**	20	0.98	70	ug/m3		11/15/19 19:53	GO	J
Methyl-t-butyl Ether (MTBE)	ND	20	11.48	72	ug/m3		11/15/19 19:53	GO	
Naphthalene	ND	20	0.92	104	ug/m3		11/15/19 19:53	GO	
o-Xylene	ND	20	1.2	86	ug/m3		11/15/19 19:53	GO	
Propene	ND	20	2.58	34	ug/m3		11/15/19 19:53	GO	
Styrene	ND	20	1.34	84	ug/m3		11/15/19 19:53	GO	
Tetrachloroethene	ND	20	1.52	136	ug/m3		11/15/19 19:53	GO	
Toluene	**130**	20	0.76	76	ug/m3		11/15/19 19:53	GO	

Matrix:	Air	**Client:**	Enthalpy - Berkeley	**Collector:**	Client
Sampled:	11/12/2019 00:00	**Site:**			
Sample #:	**421288-004**	**Client Sample #:**	MSG4	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
trans-1,2-dichloroethene	ND	20	1.34	80	ug/m3		11/15/19 19:53	GO	
trans-1,3-dichloropropene	ND	20	1.22	90	ug/m3		11/15/19 19:53	GO	
Trichloroethene	ND	20	1.4	108	ug/m3		11/15/19 19:53	GO	
Trichlorofluoromethane	ND	20	1.76	112	ug/m3		11/15/19 19:53	GO	
Vinyl acetate	ND	20	0.8	70	ug/m3		11/15/19 19:53	GO	
Vinyl Chloride	ND	20	0.9	52	ug/m3		11/15/19 19:53	GO	
Xylenes (Total)	**23.7 J**	20	1.2	86	ug/m3		11/15/19 19:53	GO	J

Surrogate	*% Recovery*	*Limits*	*Notes*
4-Bromofluorobenzene (SUR)	*96*	*60-140*	

Method: EPA TO-3M Prep Method: Method QCBatchID: QC1209046

TPH gasoline ugM3	ND	1	1227	20450	ug/m3		11/19/19 17:54	EW	T

Matrix:	Air	**Client:**	Enthalpy - Berkeley	**Collector:**	Client
Sampled:	11/12/2019 00:00	**Site:**			
Sample #:	**421288-005**	**Client Sample #:**	MSG5	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA TO-15 Prep Method: Method							QCBatchID: QC1208888		
1,1,1-Trichloroethane	ND	5	0.255	27.5	ug/m3		11/16/19 01:50	GO	
1,1,2,2-Tetrachloroethane	ND	5	0.725	34.5	ug/m3		11/16/19 01:50	GO	
1,1,2-Trichloroethane	ND	5	0.35	27.5	ug/m3		11/16/19 01:50	GO	
1,1,2-Trichlorotrifluoroethane	ND	5	0.61	38.5	ug/m3		11/16/19 01:50	GO	
1,1-Dichloroethane	ND	5	0.34	20	ug/m3		11/16/19 01:50	GO	
1,1-Dichloroethene	ND	5	0.475	20	ug/m3		11/16/19 01:50	GO	
1,2,4-Trichlorobenzene	ND	5	7.5	37	ug/m3		11/16/19 01:50	GO	
1,2,4-Trimethylbenzene	**6.7 J**	5	0.615	24.5	ug/m3		11/16/19 01:50	GO	J
1,2-Dibromoethane	ND	5	0.565	38.5	ug/m3		11/16/19 01:50	GO	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	5	0.58	35	ug/m3		11/16/19 01:50	GO	
1,2-Dichlorobenzene	ND	5	0.545	30	ug/m3		11/16/19 01:50	GO	
1,2-Dichloroethane	ND	5	0.285	20	ug/m3		11/16/19 01:50	GO	
1,2-Dichloropropane	ND	5	0.305	23	ug/m3		11/16/19 01:50	GO	
1,3,5-Trimethylbenzene	ND	5	0.585	24.5	ug/m3		11/16/19 01:50	GO	
1,3-Butadiene	ND	5	0.155	11	ug/m3		11/16/19 01:50	GO	
1,3-Dichlorobenzene	ND	5	0.565	30	ug/m3		11/16/19 01:50	GO	
1,4-Dichlorobenzene	ND	5	0.465	30	ug/m3		11/16/19 01:50	GO	
1,4-Dioxane	ND	5	0.37	90	ug/m3		11/16/19 01:50	GO	
2-Butanone (MEK)	ND	5	0.26	75	ug/m3		11/16/19 01:50	GO	
2-Hexanone	ND	5	0.33	100	ug/m3		11/16/19 01:50	GO	
4-Ethyltoluene	**5.8 J**	5	0.525	24.5	ug/m3		11/16/19 01:50	GO	J
4-Methyl-2-pentanone (MIBK)	**18.5 J**	5	0.405	20.5	ug/m3		11/16/19 01:50	GO	J
Acetone	**57.5 J**	5	0.33	60	ug/m3		11/16/19 01:50	GO	J
Benzene	**4.2 J**	5	0.16	16	ug/m3		11/16/19 01:50	GO	J
Benzyl Chloride	ND	5	0.56	26	ug/m3		11/16/19 01:50	GO	
Bromodichloromethane	ND	5	0.25	33.5	ug/m3		11/16/19 01:50	GO	
Bromoform	ND	5	0.92	50	ug/m3		11/16/19 01:50	GO	
Bromomethane	ND	5	0.27	19.5	ug/m3		11/16/19 01:50	GO	
Carbon disulfide	ND	5	0.185	15.5	ug/m3		11/16/19 01:50	GO	
Carbon Tetrachloride	ND	5	0.52	31.5	ug/m3		11/16/19 01:50	GO	
Chlorobenzene	ND	5	0.38	23	ug/m3		11/16/19 01:50	GO	
Chlorodibromomethane	ND	5	0.395	42.5	ug/m3		11/16/19 01:50	GO	
Chloroethane	ND	5	0.36	13	ug/m3		11/16/19 01:50	GO	
Chloroform	ND	5	0.355	24.5	ug/m3		11/16/19 01:50	GO	
Chloromethane	ND	5	0.16	10.5	ug/m3		11/16/19 01:50	GO	
cis-1,2-Dichloroethene	ND	5	0.3	20	ug/m3		11/16/19 01:50	GO	
cis-1,3-dichloropropene	ND	5	0.245	22.5	ug/m3		11/16/19 01:50	GO	
Cyclohexane	**8.7 J**	5	0.24	17	ug/m3		11/16/19 01:50	GO	J
Dichlorodifluoromethane	ND	5	0.33	24.5	ug/m3		11/16/19 01:50	GO	
Ethyl Acetate	ND	5	0.465	90	ug/m3		11/16/19 01:50	GO	
Ethylbenzene	**11.0 J**	5	0.32	21.5	ug/m3		11/16/19 01:50	GO	J
Heptane	ND	5	0.29	20.5	ug/m3		11/16/19 01:50	GO	
Hexachlorobutadiene	ND	5	10.5	55	ug/m3		11/16/19 01:50	GO	
Hexane	**5.5 J**	5	0.325	17.5	ug/m3		11/16/19 01:50	GO	J
Isopropyl alcohol (IPA)	**10.6 J**	5	0.285	60	ug/m3		11/16/19 01:50	GO	J
m and p-Xylene	**54.0**	5	0.62	21.5	ug/m3		11/16/19 01:50	GO	
Methylene chloride	**14.9 J**	5	0.245	17.5	ug/m3		11/16/19 01:50	GO	J
Methyl-t-butyl Ether (MTBE)	ND	5	2.87	18	ug/m3		11/16/19 01:50	GO	
Naphthalene	ND	5	0.23	26	ug/m3		11/16/19 01:50	GO	
o-Xylene	**22.3**	5	0.3	21.5	ug/m3		11/16/19 01:50	GO	
Propene	ND	5	0.645	8.5	ug/m3		11/16/19 01:50	GO	
Styrene	ND	5	0.335	21	ug/m3		11/16/19 01:50	GO	
Tetrachloroethene	ND	5	0.38	34	ug/m3		11/16/19 01:50	GO	
Toluene	**27.4**	5	0.19	19	ug/m3		11/16/19 01:50	GO	

Matrix:	Air	**Client:**	Enthalpy - Berkeley	**Collector:**	Client
Sampled:	11/12/2019 00:00	**Site:**			
Sample #:	**421288-005**	**Client Sample #:**	MSG5	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
trans-1,2-dichloroethene	ND	5	0.335	20	ug/m3		11/16/19 01:50	GO	
trans-1,3-dichloropropene	ND	5	0.305	22.5	ug/m3		11/16/19 01:50	GO	
Trichloroethene	ND	5	0.35	27	ug/m3		11/16/19 01:50	GO	
Trichlorofluoromethane	ND	5	0.44	28	ug/m3		11/16/19 01:50	GO	
Vinyl acetate	ND	5	0.2	17.5	ug/m3		11/16/19 01:50	GO	
Vinyl Chloride	ND	5	0.225	13	ug/m3		11/16/19 01:50	GO	
Xylenes (Total)	**76.3**	5	0.3	21.5	ug/m3		11/16/19 01:50	GO	

Surrogate	*% Recovery*	*Limits*	*Notes*
4-Bromofluorobenzene (SUR)	*99*	*60-140*	

Method: EPA TO-3M Prep Method: Method QCBatchID: QC1209046

TPH gasoline ugM3	ND	1	1227	20450	ug/m3		11/19/19 18:24	EW	T

QCBatchID: QC1208749	**Analyst:** gortiz		**Method:** EPA TO-15		
Matrix: Air	**Analyzed:** 11/13/2019		**Instrument:** VOA-MS (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208749MB1					
1,1,1-Trichloroethane	ND	ug/m3	0.051	5.5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.145	6.9	
1,1,2-Trichloroethane	ND	ug/m3	0.07	5.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	0.122	7.7	
1,1-Dichloroethane	ND	ug/m3	0.068	4	
1,1-Dichloroethene	ND	ug/m3	0.095	4	
1,2,4-Trichlorobenzene	ND	ug/m3	1.5	7.4	
1,2,4-Trimethylbenzene	ND	ug/m3	0.123	4.9	
1,2-Dibromoethane	ND	ug/m3	0.113	7.7	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	0.116	7	
1,2-Dichlorobenzene	ND	ug/m3	0.109	6	
1,2-Dichloroethane	ND	ug/m3	0.057	4	
1,2-Dichloropropane	ND	ug/m3	0.061	4.6	
1,3,5-Trimethylbenzene	ND	ug/m3	0.117	4.9	
1,3-Butadiene	ND	ug/m3	0.031	2.2	
1,3-Dichlorobenzene	ND	ug/m3	0.113	6	
1,4-Dichlorobenzene	ND	ug/m3	0.093	6	
1,4-Dioxane	ND	ug/m3	0.074	18	
2-Butanone (MEK)	ND	ug/m3	0.052	15	
2-Hexanone	ND	ug/m3	0.066	20	
4-Ethyltoluene	ND	ug/m3	0.105	4.9	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	0.081	4.1	
Acetone	ND	ug/m3	0.066	12	
Benzene	ND	ug/m3	0.032	3.2	
Benzyl Chloride	ND	ug/m3	0.112	5.2	
Bromodichloromethane	ND	ug/m3	0.05	6.7	
Bromoform	ND	ug/m3	0.184	10	
Bromomethane	ND	ug/m3	0.054	3.9	
Carbon disulfide	ND	ug/m3	0.037	3.1	
Carbon Tetrachloride	ND	ug/m3	0.104	6.3	
Chlorobenzene	ND	ug/m3	0.076	4.6	
Chlorodibromomethane	ND	ug/m3	0.079	8.5	
Chloroethane	ND	ug/m3	0.072	2.6	
Chloroform	ND	ug/m3	0.071	4.9	
Chloromethane	ND	ug/m3	0.032	2.1	
cis-1,2-Dichloroethene	ND	ug/m3	0.06	4	
cis-1,3-dichloropropene	ND	ug/m3	0.049	4.5	
Cyclohexane	ND	ug/m3	0.048	3.4	
Dichlorodifluoromethane	ND	ug/m3	0.066	4.9	
Ethyl Acetate	ND	ug/m3	0.093	18	
Ethylbenzene	ND	ug/m3	0.064	4.3	
Heptane	ND	ug/m3	0.058	4.1	
Hexachlorobutadiene	ND	ug/m3	2.1	11	
Hexane	ND	ug/m3	0.065	3.5	
Isopropyl alcohol (IPA)	ND	ug/m3	0.057	12	
m and p-Xylene	ND	ug/m3	0.124	4.3	
Methylene chloride	ND	ug/m3	0.049	3.5	
Methyl-t-butyl Ether (MTBE)	ND	ug/m3	0.574	3.6	
Naphthalene	ND	ug/m3	0.046	5.2	
o-Xylene	ND	ug/m3	0.06	4.3	
Propene	ND	ug/m3	0.129	1.7	
Styrene	ND	ug/m3	0.067	4.2	

QCBatchID: QC1208749 **Analyst:** gortiz **Method:** EPA TO-15

Matrix: Air **Analyzed:** 11/13/2019 **Instrument:** VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208749MB1					
Tetrachloroethene	ND	ug/m3	0.076	6.8	
Toluene	ND	ug/m3	0.038	3.8	
trans-1,2-dichloroethene	ND	ug/m3	0.067	4	
trans-1,3-dichloropropene	ND	ug/m3	0.061	4.5	
Trichloroethene	ND	ug/m3	0.07	5.4	
Trichlorofluoromethane	ND	ug/m3	0.088	5.6	
Vinyl acetate	ND	ug/m3	0.04	3.5	
Vinyl Chloride	ND	ug/m3	0.045	2.6	
Xylenes (Total)	ND	ug/m3	0.06	4.3	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208749DUP1						**Source: 421174-006**
1,1,1-Trichloroethane	ND	0.0	ug/m3	0.0	30	
1,1,2,2-Tetrachloroethane	ND	0.0	ug/m3	0.0	30	
1,1,2-Trichloroethane	ND	0.0	ug/m3	0.0	30	
1,1,2-Trichlorotrifluoroethane	ND	0.0	ug/m3	0.0	30	
1,1-Dichloroethane	ND	0.0	ug/m3	0.0	30	
1,1-Dichloroethene	ND	0.0	ug/m3	0.0	30	
1,2,4-Trichlorobenzene	ND	0.0	ug/m3	0.0	30	
1,2,4-Trimethylbenzene	ND	ND	ug/m3	0.0	30	
1,2-Dibromoethane	ND	0.0	ug/m3	0.0	30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.0	ug/m3	0.0	30	
1,2-Dichlorobenzene	ND	0.0	ug/m3	0.0	30	
1,2-Dichloroethane	ND	0.0	ug/m3	0.0	30	
1,2-Dichloropropane	ND	0.0	ug/m3	0.0	30	
1,3,5-Trimethylbenzene	ND	0.0	ug/m3	0.0	30	
1,3-Butadiene	ND	0.0	ug/m3	0.0	30	
1,3-Dichlorobenzene	ND	0.0	ug/m3	0.0	30	
1,4-Dichlorobenzene	ND	0.0	ug/m3	0.0	30	
1,4-Dioxane	ND	0.0	ug/m3	0.0	30	
2-Butanone (MEK)	ND	0.0	ug/m3	0.0	30	
2-Hexanone	ND	0.0	ug/m3	0.0	30	
4-Ethyltoluene	ND	0.0	ug/m3	0.0	30	
4-Methyl-2-pentanone (MIBK)	ND	0.0	ug/m3	0.0	30	
Acetone	4.5	4.4	ug/m3	2.2	30	
Benzene	ND	0.0	ug/m3	0.0	30	
Benzyl Chloride	ND	0.0	ug/m3	0.0	30	
Bromodichloromethane	ND	0.0	ug/m3	0.0	30	
Bromoform	ND	0.0	ug/m3	0.0	30	
Bromomethane	ND	0.0	ug/m3	0.0	30	
Carbon disulfide	ND	0.0	ug/m3	0.0	30	
Carbon Tetrachloride	ND	0.0	ug/m3	0.0	30	
Chlorobenzene	ND	0.0	ug/m3	0.0	30	
Chlorodibromomethane	ND	0.0	ug/m3	0.0	30	
Chloroethane	ND	0.0	ug/m3	0.0	30	
Chloroform	ND	0.0	ug/m3	0.0	30	
Chloromethane	ND	0.0	ug/m3	0.0	30	
cis-1,2-Dichloroethene	ND	0.0	ug/m3	0.0	30	
cis-1,3-dichloropropene	ND	0.0	ug/m3	0.0	30	
Cyclohexane	ND	0.0	ug/m3	0.0	30	
Dichlorodifluoromethane	ND	ND	ug/m3	0.0	30	

QCBatchID: QC1208749 **Analyst:** gortiz **Method:** EPA TO-15

Matrix: Air **Analyzed:** 11/13/2019 **Instrument:** VOA-MS (group)

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208749DUP1						**Source: 421174-006**
Ethyl Acetate	ND	0.0	ug/m3	0.0	30	
Ethylbenzene	ND	ND	ug/m3	0.0	30	
Heptane	ND	0.0	ug/m3	0.0	30	
Hexachlorobutadiene	ND	0.0	ug/m3	0.0	30	
Hexane	ND	0.0	ug/m3	0.0	30	
Isopropyl alcohol (IPA)	ND	ND	ug/m3	0.0	30	
m and p-Xylene	ND	ND	ug/m3	0.0	30	
Methylene chloride	3.8	3.7	ug/m3	2.7	30	
Methyl-t-butyl Ether (MTBE)	ND	0.0	ug/m3	0.0	30	
Naphthalene	ND	0.0	ug/m3	0.0	30	
o-Xylene	ND	0.0	ug/m3	0.0	30	
Propene	ND	ND	ug/m3	0.0	30	
Styrene	ND	0.0	ug/m3	0.0	30	
Tetrachloroethene	1200	1200	ug/m3	0.0	30	
Toluene	ND	0.0	ug/m3	0.0	30	
trans-1,2-dichloroethene	ND	0.0	ug/m3	0.0	30	
trans-1,3-dichloropropene	ND	0.0	ug/m3	0.0	30	
Trichloroethene	ND	ND	ug/m3	0.0	30	
Trichlorofluoromethane	ND	0.0	ug/m3	0.0	30	
Vinyl acetate	ND	0.0	ug/m3	0.0	30	
Vinyl Chloride	ND	0.0	ug/m3	0.0	30	
Xylenes (Total)	ND	0.0	ug/m3	0.0	30	

QCBatchID: QC1208888	**Analyst:** gortiz		**Method:** EPA TO-15		
Matrix: Air	**Analyzed:** 11/15/2019		**Instrument:** VOA-MS (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208888MB1					
1,1,1-Trichloroethane	ND	ug/m3	0.051	5.5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.145	6.9	
1,1,2-Trichloroethane	ND	ug/m3	0.07	5.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	0.122	7.7	
1,1-Dichloroethane	ND	ug/m3	0.068	4	
1,1-Dichloroethene	ND	ug/m3	0.095	4	
1,2,4-Trichlorobenzene	ND	ug/m3	1.5	7.4	
1,2,4-Trimethylbenzene	ND	ug/m3	0.123	4.9	
1,2-Dibromoethane	ND	ug/m3	0.113	7.7	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	0.116	7	
1,2-Dichlorobenzene	ND	ug/m3	0.109	6	
1,2-Dichloroethane	ND	ug/m3	0.057	4	
1,2-Dichloropropane	ND	ug/m3	0.061	4.6	
1,3,5-Trimethylbenzene	ND	ug/m3	0.117	4.9	
1,3-Butadiene	ND	ug/m3	0.031	2.2	
1,3-Dichlorobenzene	ND	ug/m3	0.113	6	
1,4-Dichlorobenzene	ND	ug/m3	0.093	6	
1,4-Dioxane	ND	ug/m3	0.074	18	
2-Butanone (MEK)	ND	ug/m3	0.052	15	
2-Hexanone	ND	ug/m3	0.066	20	
4-Ethyltoluene	ND	ug/m3	0.105	4.9	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	0.081	4.1	
Acetone	ND	ug/m3	0.066	12	
Benzene	ND	ug/m3	0.032	3.2	
Benzyl Chloride	ND	ug/m3	0.112	5.2	
Bromodichloromethane	ND	ug/m3	0.05	6.7	
Bromoform	ND	ug/m3	0.184	10	
Bromomethane	ND	ug/m3	0.054	3.9	
Carbon disulfide	ND	ug/m3	0.037	3.1	
Carbon Tetrachloride	ND	ug/m3	0.104	6.3	
Chlorobenzene	ND	ug/m3	0.076	4.6	
Chlorodibromomethane	ND	ug/m3	0.079	8.5	
Chloroethane	ND	ug/m3	0.072	2.6	
Chloroform	ND	ug/m3	0.071	4.9	
Chloromethane	ND	ug/m3	0.032	2.1	
cis-1,2-Dichloroethene	ND	ug/m3	0.06	4	
cis-1,3-dichloropropene	ND	ug/m3	0.049	4.5	
Cyclohexane	ND	ug/m3	0.048	3.4	
Dichlorodifluoromethane	ND	ug/m3	0.066	4.9	
Ethanol	ND	ug/m3	0.059	9.4	
Ethyl Acetate	ND	ug/m3	0.093	18	
Ethylbenzene	ND	ug/m3	0.064	4.3	
Heptane	ND	ug/m3	0.058	4.1	
Hexachlorobutadiene	ND	ug/m3	2.1	11	
Hexane	ND	ug/m3	0.065	3.5	
Isopropyl alcohol (IPA)	ND	ug/m3	0.057	12	
m and p-Xylene	ND	ug/m3	0.124	4.3	
Methylene chloride	ND	ug/m3	0.049	3.5	
Methyl-t-butyl Ether (MTBE)	ND	ug/m3	0.574	3.6	
Naphthalene	ND	ug/m3	0.046	5.2	
o-Xylene	ND	ug/m3	0.06	4.3	
Propene	ND	ug/m3	0.129	1.7	

QCBatchID: QC1208888 **Analyst:** gortiz **Method:** EPA TO-15

Matrix: Air **Analyzed:** 11/15/2019 **Instrument:** VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208888MB1					
Styrene	ND	ug/m3	0.067	4.2	
Tetrachloroethene	ND	ug/m3	0.076	6.8	
Toluene	ND	ug/m3	0.038	3.8	
trans-1,2-dichloroethene	ND	ug/m3	0.067	4	
trans-1,3-dichloropropene	ND	ug/m3	0.061	4.5	
Trichloroethene	ND	ug/m3	0.07	5.4	
Trichlorofluoromethane	ND	ug/m3	0.088	5.6	
Vinyl acetate	ND	ug/m3	0.04	3.5	
Vinyl Chloride	ND	ug/m3	0.045	2.6	
Xylenes (Total)	ND	ug/m3	0.06	4.3	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208888DUP1						**Source: 421288-005**
1,1,1-Trichloroethane	ND	0.0	ug/m3	0.0	30	
1,1,2,2-Tetrachloroethane	ND	0.0	ug/m3	0.0	30	
1,1,2-Trichloroethane	ND	0.0	ug/m3	0.0	30	
1,1,2-Trichlorotrifluoroethane	ND	0.0	ug/m3	0.0	30	
1,1-Dichloroethane	ND	0.0	ug/m3	0.0	30	
1,1-Dichloroethene	ND	0.0	ug/m3	0.0	30	
1,2,4-Trichlorobenzene	ND	0.0	ug/m3	0.0	30	
1,2,4-Trimethylbenzene	6.7	6.8	ug/m3	1.5	30	
1,2-Dibromoethane	ND	0.0	ug/m3	0.0	30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.0	ug/m3	0.0	30	
1,2-Dichlorobenzene	ND	0.0	ug/m3	0.0	30	
1,2-Dichloroethane	ND	0.0	ug/m3	0.0	30	
1,2-Dichloropropane	ND	0.0	ug/m3	0.0	30	
1,3,5-Trimethylbenzene	ND	ND	ug/m3	0.0	30	
1,3-Butadiene	ND	0.0	ug/m3	0.0	30	
1,3-Dichlorobenzene	ND	0.0	ug/m3	0.0	30	
1,4-Dichlorobenzene	ND	0.0	ug/m3	0.0	30	
1,4-Dioxane	ND	0.0	ug/m3	0.0	30	
2-Butanone (MEK)	ND	ND	ug/m3	0.0	30	
2-Hexanone	ND	0.0	ug/m3	0.0	30	
4-Ethyltoluene	5.8	5.9	ug/m3	1.7	30	
4-Methyl-2-pentanone (MIBK)	18.5	18.8	ug/m3	1.6	30	
Acetone	57.5	58.3	ug/m3	1.4	30	
Benzene	4.2	4.2	ug/m3	0.0	30	
Benzyl Chloride	ND	0.0	ug/m3	0.0	30	
Bromodichloromethane	ND	0.0	ug/m3	0.0	30	
Bromoform	ND	0.0	ug/m3	0.0	30	
Bromomethane	ND	0.0	ug/m3	0.0	30	
Carbon disulfide	ND	ND	ug/m3	0.0	30	
Carbon Tetrachloride	ND	0.0	ug/m3	0.0	30	
Chlorobenzene	ND	0.0	ug/m3	0.0	30	
Chlorodibromomethane	ND	0.0	ug/m3	0.0	30	
Chloroethane	ND	0.0	ug/m3	0.0	30	
Chloroform	ND	0.0	ug/m3	0.0	30	
Chloromethane	ND	0.0	ug/m3	0.0	30	
cis-1,2-Dichloroethene	ND	0.0	ug/m3	0.0	30	
cis-1,3-dichloropropene	ND	0.0	ug/m3	0.0	30	
Cyclohexane	8.7	8.8	ug/m3	1.1	30	

QCBatchID: QC1208888 **Analyst:** gortiz **Method:** EPA TO-15

Matrix: Air **Analyzed:** 11/15/2019 **Instrument:** VOA-MS (group)

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208888DUP1						**Source: 421288-005**
Dichlorodifluoromethane	ND	ND	ug/m3	0.0	30	
Ethyl Acetate	ND	0.0	ug/m3	0.0	30	
Ethylbenzene	11.0	11.1	ug/m3	0.9	30	
Heptane	ND	ND	ug/m3	0.0	30	
Hexachlorobutadiene	ND	0.0	ug/m3	0.0	30	
Hexane	5.5	5.5	ug/m3	0.0	30	
Isopropyl alcohol (IPA)	10.6	11.1	ug/m3	4.6	30	
m and p-Xylene	54.0	55.2	ug/m3	2.2	30	
Methylene chloride	14.9	15.5	ug/m3	3.9	30	
Methyl-t-butyl Ether (MTBE)	ND	0.0	ug/m3	0.0	30	
Naphthalene	ND	0.0	ug/m3	0.0	30	
o-Xylene	22.3	22.8	ug/m3	2.2	30	
Propene	ND	ND	ug/m3	0.0	30	
Styrene	ND	ND	ug/m3	0.0	30	
Tetrachloroethene	ND	0.0	ug/m3	0.0	30	
Toluene	27.4	28.3	ug/m3	3.2	30	
trans-1,2-dichloroethene	ND	0.0	ug/m3	0.0	30	
trans-1,3-dichloropropene	ND	0.0	ug/m3	0.0	30	
Trichloroethene	ND	0.0	ug/m3	0.0	30	
Trichlorofluoromethane	ND	ND	ug/m3	0.0	30	
Vinyl acetate	ND	0.0	ug/m3	0.0	30	
Vinyl Chloride	ND	0.0	ug/m3	0.0	30	
Xylenes (Total)	76.3	78.0	ug/m3	2.2	30	

QCBatchID:	**QC1209046**	**Analyst:**	sandyw	**Method:**	EPA TO-3M
Matrix:	Air	**Analyzed:**	11/19/2019	**Instrument:**	VOA-GC (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1209046MB1					
TPH gasoline ugM3	ND	ug/m3	1227	20450	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1209046DUP1						**Source: 421389-001**
TPH gasoline ugM3	ND	ND	ug/m3	0.0	25	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

Enthalpy Berkeley

2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900
(510) 486-0532

U21288

Project Number: 315800
Site: Valaya Auto

Subcontract Laboratory:
Enthalpy Analytical (Orange)
931 W Barkley Avenue
Orange, CA 92868
(714) 771-9923
ATTN: Lisa Nguyen

Results due: Report Level: II

Please send report to: Jess Silberman (Jessica.Silberman@enthalpy.com)
and ClientServices.Berkeley@enthalpy.com
*** Please report using Sample ID rather than Enthalpy (Berkeley) Lab #.

Sample ID	Sampled	Matrix	Analysis	Lab #	Comments
MSG1	11/12 00:00	Air	TO15	315800-001	
MSG2	11/12 00:00	Air	TO15	315800-002	
MSG3	11/12 00:00	Air	TO15	315800-003	
MSG4	11/12 00:00	Air	TO15	315800-004	
MSG5	11/12 00:00	Air	TO15	315800-005	

Notes:	Relinquished By:	Received By:
	Date/Time: 11/12/19 17:50	Date/Time: 11/13/19 1005
	Date/Time:	Date/Time:

Signature on this form constitutes a firm Purchase Order for the services requested above.

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Enthalpy Berkeley Project: _____

Date Received: 11/13/19 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☐ Yes, How many? _____ ☐ No (skip section 2) Sample Temp (°C) (No Cooler): AMBIENT

Sample Temp (°C), One from each cooler: #1: _____ #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/13/19

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

GSO GLS

800-322-5555
www.gso.com

Ship From
ENTHALPY ANALYTICAL, LLC
PROJECT MANAGEMENT
2323 FIFTH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL (ORANGE)
LISA NGUYEN
931 W BARKLEY AVE.
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

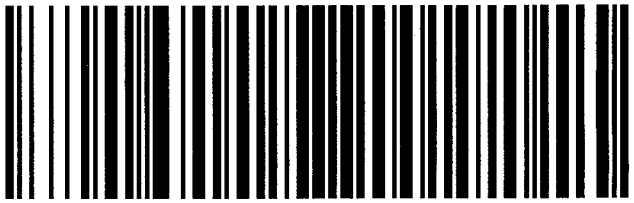
Signature Type: STANDARD

Tracking #: 546914575

PDS

ORANGE

S92868A



11472952

ORC CA927-CI0

Print Date: 11/12/2019 5:24 PM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

From: Jessica Silberman
To: Lisa Nguyen
Subject: revised site/project name for 315800 (421288 for orange)
Date: Friday, December 13, 2019 10:18:16 AM

Hi Lisa,

Do you mind revising the project name for the above job to say "Milligan" and resend it to me asap? My client is looking to send this report to his regulator today and they need the change asap.

Thanks

In observance of Christmas and New Year, Enthalpy Analytical will be closed on Tuesday December 24th at 2PM through Thursday December 26th and Wednesday January 1st. Normal operation will resume on Friday December 27th through December 30th and on Thursday January 2nd. During this period, samples with holding time less than 48 hours will only be accepted if they were pre-arranged with the project managers. Please be advised that holiday surcharges might apply.

Jessica Silberman
Project Manager Assistant
Enthalpy Analytical LLC
2323 Fifth St., Berkeley, CA 94710
Direct: (510) 204.2223