



July 18, 2024

Mr. Andrew Bell
Calvary Station LLC
1563 Calvary Church Road
Gainesville, Georgia

Re: Baseline Water Sampling
1563 Calvary Church Road, Gainesville, Georgia
LOGIC Project S153-01

Dear Mr. Bell:

Thank you for allowing Logic Environmental, Inc. (LOGIC) to assist you with the ongoing wastewater monitoring at your Calvary Road hydro-extrusion site in accordance with the Monitoring, Inspection, and Testing Plan ("Plan") completed in March of 2024. The results of our most recent sampling event are detailed in the attached tables.

Three locations (the Receiving Pond, the Upper Stormwater Management Pond, and Walnut Creek) were sampled during this event. A Site Sketch is included as Figure 1 and an Area Map is included as Figure 2. Sample collection was conducted on May 22, 2024, by John Franck, Professional Geologist.

Samples were screened in the field for turbidity, pH, and specific conductivity. The samples were then placed in clean, laboratory provided containers, packed in ice, and delivered directly to Eurofins Environment Testing in Atlanta. The samples were analyzed for volatile organic compounds (VOCs, EPA Method 8260), semi-volatile organic compounds (EPA Method 8270), and eight RCRA metals (EPA Methods 6010 and 7470.) The sample collection points are summarized in Table 1.

All field screening results were within acceptable parameters, as illustrated on Table 2. No VOCs were identified in any samples. Barium was identified in sample RP-1 at a concentration of 0.0319 mg/L, well below the Environmental Protection Agency (EPA) maximum contaminant level for drinking water (2.0 mg/L.) Barium is widely occurring in the Piedmont region and the concentrations identified in this event are within the naturally occurring range. No other metals were identified in any of the samples. A chain of custody and the complete analytical results are included as an Attachment.

Georgia
3400 McClure Bridge Road, Building F
Duluth, Georgia 30096
770.817.0212

North Florida
3390 Kori Road, Suite 8
Jacksonville, Florida 32257
www.logicenvironmental.com

Mr. Andrew Bell

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If you have any questions, or would like to discuss these results, please do not hesitate to contact us. Again, thank you for the opportunity to work with you.

Sincerely yours,



John Franck, P.G.
Geologist

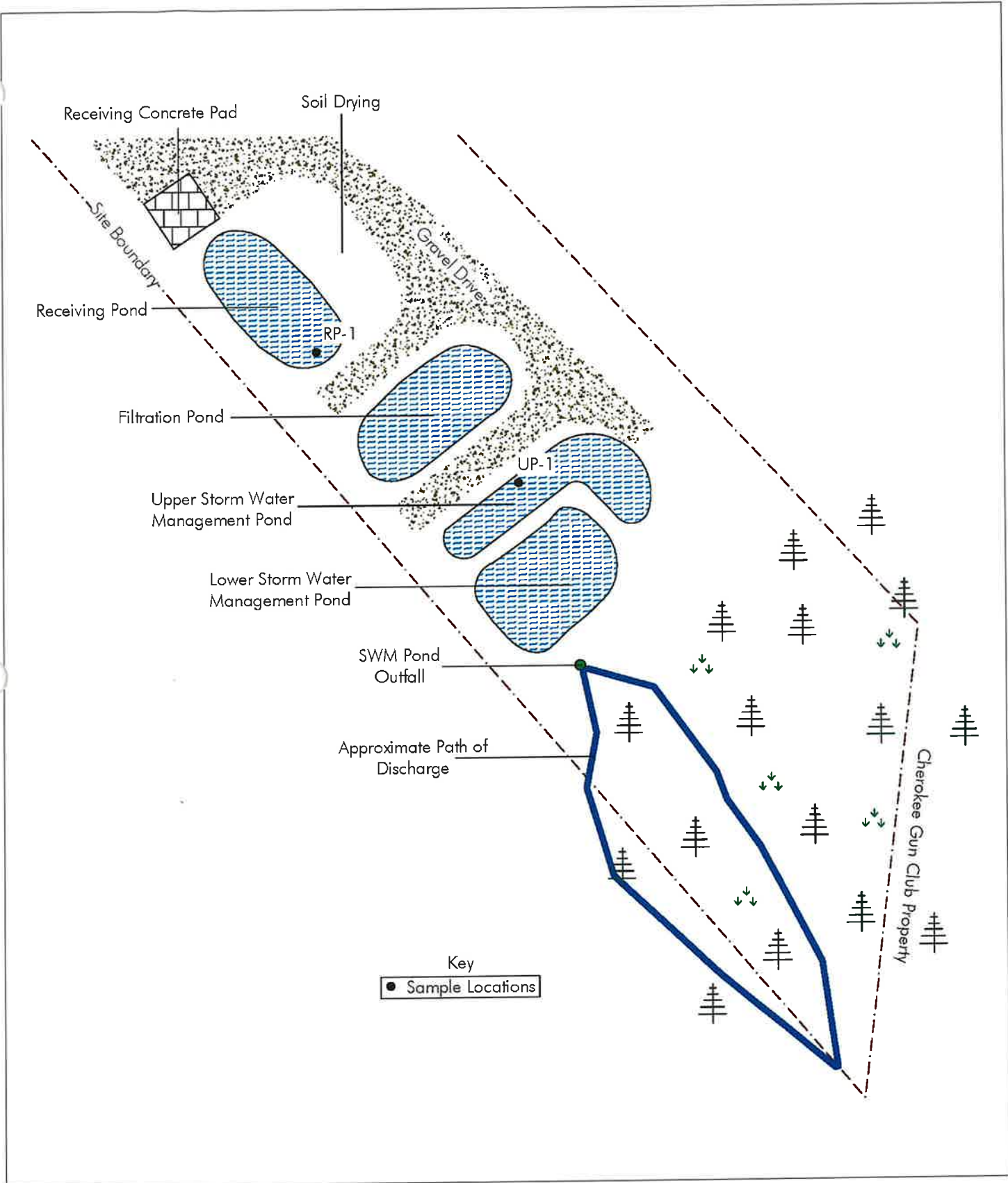
Attach.

CC: Chris Fonzi (w Attach.)
Ciara Ceabolt (w Attach.)

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3400 McClure Bridge Road, Building F
Duluth, Georgia 30096
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3390 Kori Road, Suite 8
Jacksonville, Florida 32257
www.logicenvironmental.com

FIGURES



Not to Scale

LOGIC
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SAMPLE LOCATIONS (ON SITE)

1563 Calvary Church Road
Gainesville, Georgia

Figure

1



Not to Scale

LOGIC
ENVIRONMENTAL

SAMPLE LOCATION (DOWNSTREAM)

1563 Calvary Church Road
Gainesville, Georgia

Figure
2

TABLES

TABLE 1

SAMPLE COLLECTION POINTS

1563 Calvary Church Road, Gainesville, Georgia

Location	Date	Description	Designation	Visible Conditions	Sample Collected
Receiving Concrete Pad		Sludge	RCP	No Sludge Present	
Soil Drying Area		Dewatered Soil	SD	No Soil Present	
Receiving Pond	5/22/24	Waste Water	RP-1	2' of Water in Pond	✓
Filtration Pond		Waste Water	FP	Dry	
Upper Storm Water Management Pond	5/22/24	Storm Water Runoff	UP-1	2' Water in Pond	✓
Lower Storm Water Management Pond		Storm Water Runoff	LP	Dry	
Walnut Creek at Gibbs Dr. Bridge (Off Site)	5/22/24	Downstream	DS-1	Flowing Water	✓

TABLE 2

SAMPLE ANALYSIS

1563 Calvary Church Road, Gainesville, Georgia

Sample	Date	Time	pH	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Metals ²	VOC	SVOC
RCP	NS ¹	NS	NS	NS	NS	NS	NS	NS
SD	NS	NS	NS	NS	NS	NS	NS	NS
RP-1	5/22/24	10:50 AM	6.25	0.260	31.7	Barium – 0.0319	BDL ³	BDL
FP	NS	NS	NS	NS	NS	NS	NS	NS
UP-1	5/22/24	11:15 AM	7.06	0.178	17.6	BDL	BDL	BDL
DS-1	5/22/24	11:45 AM	7.68	0.047	0.0	BDL	BDL	BDL
Normal Range			6.0 - 8.5	0 - 1.5 ⁴		0.002 - 0.340 mg/L ⁵		
MCL/In-Stream Limit⁶			6.0 - 8.5	None	None	2.0 mg/L		

1. NS – Not Sampled
2. Concentration for metals expressed in milligrams per liter (mg/L)
3. BDL – Below Detection Levels
4. Stated value is a general range for rivers in Georgia. (Georgia Adapt-A-Stream Program)
5. U.S. EPD Archive document
6. Maximum Contaminant Level for drinking water (U.S. EPA)/In-Stream Limit for surface water in Georgia (Georgia Rules For Water Quality Control, 391-3-6)

Note: Contaminant concentrations exceeding applicable thresholds are shown in bold.

ATTACHMENT

June 01, 2024

Dennis Brunner

Logic Environmental

3400 McClure Bridge Rd

Duluth GA 30096

RE: S153

Dear Dennis Brunner:

Order No: 2405Q57

Eurofins Environment Testing Southeast-Atlanta, LLC (EETSE-Atlanta) received 4 samples on May 22, 2024 2:45 pm for the analyses presented in following report.

No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or EETSE-Atlanta established limits.

EETSE-Atlanta accreditations are as follows:

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/23-06/30/24.

-State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/24 and Total Coliforms/ E. coli, effective 04/25/23-04/24/24.

-AIHA LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/25.

These results relate only to the items tested as received. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,



Mirzeta Kararic

Project Manager



CHAIN OF CUSTODY

COMPANY:		ADDRESS:		ANALYSIS REQUESTED		REMARKS		Number of Containers			
LOGIC ENVIRONMENTAL		3400 MCCURVE BLVD				Visit our website www.EurofinsUS.com for downloadable COCs.					
PHONE:	770-817-0212	EMAIL:	John Franck								
SAMPLED BY:	JOHN FRANCK	SIGNATURE:	<i>John Franck</i>								
#	SAMPLE ID	SAMPLED:		DATE	TIME	GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)	REMARKS	
		DATE	TIME								
1	RP-1	5-22	1050	X				SW		X X X	
2	UP-1	5-22	1145	X				SW		X X X	
3	DS-1	5-22	1145	X				SW		X X X	
4	TRIP BLANK									X	
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION		RECEIPT	
Henry Hoff 5-22 2:45		5-22-24 1445		C. O. 3. 1445		5-22-24 1445		PROJECT NAME: S153		Total # of Containers: 17	
								PROJECT #: S153		Turnaround Time (TAT) Request in Business Days	
								SITE ADDRESS: 1563 LAWRY CUNY RD		<input checked="" type="checkbox"/> Standard	
								SEND REPORT TO: C-SEABOY J-FRANCK		<input type="checkbox"/> 3-Day Rush*	
								INVOICE TO (IF DIFFERENT FROM ABOVE):		<input type="checkbox"/> 2-Day Rush*	
								SHIPMENT METHOD		<input type="checkbox"/> Next Day Rush*	
								OUT: / / VIA:		<input type="checkbox"/> Same-Day Rush* (auth req.)	
								IN: Client FedEx UPS US mail courier		* Surcharges apply for Rush TAT	
								OTHER:		REGULATORY PROGRAM (if any):	
								QUOTE #:		DATA PACKAGE: I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IVO <input type="checkbox"/>	
SPECIAL INSTRUCTIONS/COMMENTS:		8 ACDA - DISSOLVED									
		FILTER IN LAB									

Submission of samples to the laboratory constitutes acceptance of EETSE's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM on Saturday are considered as received the following business day. If no TAT is marked on COC, EETSE-Atlanta will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water ST = Stormwater WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Preservative Codes: H+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfuric acid + ice S(M+1) = Sodium Bisulfate/Methanol + ice NaOH-H-SH O = Other (specify) NA = None

Client: Logic Environmental
 Project Name: S153
 Lab ID: 2405Q57-001

Client Sample ID: RP-1
 Collection Date: 5/22/2024 10:50:00 AM
 Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270E					(SW3510C)			
1,1'-Biphenyl	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	376583	1	05/28/2024 15:05	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
2,4-Dichlorophenol	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
2,4-Dimethylphenol	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
2,4-Dinitrophenol	BRL	25		ug/L	376583	1	05/28/2024 15:05	YH
2,4-Dinitrotoluene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
2,6-Dinitrotoluene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
2-Chloronaphthalene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
2-Chlorophenol	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
2-Methylnaphthalene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
2-Methylphenol	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
2-Nitroaniline	BRL	25		ug/L	376583	1	05/28/2024 15:05	YH
2-Nitrophenol	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
3,3'-Dichlorobenzidine	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
3-Nitroaniline	BRL	25		ug/L	376583	1	05/28/2024 15:05	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	376583	1	05/28/2024 15:05	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
4-Chloroaniline	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
4-Methylphenol	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
4-Nitroaniline	BRL	25		ug/L	376583	1	05/28/2024 15:05	YH
4-Nitrophenol	BRL	25		ug/L	376583	1	05/28/2024 15:05	YH
Acenaphthene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Acenaphthylene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Acetophenone	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Anthracene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Atrazine	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Benz(a)anthracene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Benzaldehyde	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Benzo(a)pyrene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Benzo(b)fluoranthene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Benzo(k)fluoranthene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Butyl benzyl phthalate	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Caprolactam	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Carbazole	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Chrysene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Di-n-butyl phthalate	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Logic Environmental
Project Name: S153
Lab ID: 2405Q57-001

Client Sample ID: RP-1
Collection Date: 5/22/2024 10:50:00 AM
Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270E		(SW3510C)						
Di-n-octyl phthalate	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Dibenzofuran	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Diethyl phthalate	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Dimethyl phthalate	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Fluoranthene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Fluorene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Hexachlorobenzene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Hexachlorobutadiene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Hexachloroethane	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Isophorone	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Naphthalene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Nitrobenzene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Pentachlorophenol	BRL	25		ug/L	376583	1	05/28/2024 15:05	YH
Phenanthrene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Phenol	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Pyrene	BRL	10		ug/L	376583	1	05/28/2024 15:05	YH
Surr: 2,4,6-Tribromophenol	87.7	53.4-132		%REC	376583	1	05/28/2024 15:05	YH
Surr: 2-Fluorobiphenyl	88	48-126		%REC	376583	1	05/28/2024 15:05	YH
Surr: 2-Fluorophenol	45.1	29.3-120		%REC	376583	1	05/28/2024 15:05	YH
Surr: 4-Terphenyl-d14	94.8	48.1-130		%REC	376583	1	05/28/2024 15:05	YH
Surr: Nitrobenzene-d5	72.2	41.1-129		%REC	376583	1	05/28/2024 15:05	YH
Surr: Phenol-d5	29.6	20.7-120		%REC	376583	1	05/28/2024 15:05	YH
TCL VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1-Trichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
1,1,2-Trichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
1,1-Dichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
1,1-Dichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
1,2-Dibromoethane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
1,2-Dichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
1,2-Dichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
1,2-Dichloropropane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
1,3-Dichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
1,4-Dichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
2-Butanone	BRL	50		ug/L	376819	1	05/24/2024 12:38	AV
2-Hexanone	BRL	10		ug/L	376819	1	05/24/2024 12:38	AV

Qualifiers:

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- N Analyte not NELAC certified
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- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
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- J Estimated value detected below Reporting Limit

Client: Logic Environmental
Project Name: S153
Lab ID: 2405Q57-001

Client Sample ID: RP-1
Collection Date: 5/22/2024 10:50:00 AM
Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5030B)						
4-Methyl-2-pentanone	BRL	10		ug/L	376819	1	05/24/2024 12:38	AV
Acetone	BRL	50		ug/L	376819	1	05/24/2024 12:38	AV
Benzene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Bromodichloromethane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Bromoform	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Bromomethane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Carbon disulfide	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Carbon tetrachloride	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Chlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Chloroethane	BRL	10		ug/L	376819	1	05/24/2024 12:38	AV
Chloroform	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Chloromethane	BRL	10		ug/L	376819	1	05/24/2024 12:38	AV
cis-1,2-Dichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
cis-1,3-Dichloropropene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Cyclohexane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Dibromochloromethane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Dichlorodifluoromethane	BRL	10		ug/L	376819	1	05/24/2024 12:38	AV
Ethylbenzene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Freon-113	BRL	10		ug/L	376819	1	05/24/2024 12:38	AV
Isopropylbenzene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
m,p-Xylene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Methyl acetate	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Methyl tert-butyl ether	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Methylcyclohexane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Methylene chloride	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
o-Xylene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Styrene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Tetrachloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Toluene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
trans-1,2-Dichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
trans-1,3-Dichloropropene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Trichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Trichlorofluoromethane	BRL	5.0		ug/L	376819	1	05/24/2024 12:38	AV
Vinyl chloride	BRL	2.0		ug/L	376819	1	05/24/2024 12:38	AV
Surr: 4-Bromofluorobenzene	96.5	70-126		%REC	376819	1	05/24/2024 12:38	AV
Surr: Dibromofluoromethane	93.4	77-121		%REC	376819	1	05/24/2024 12:38	AV
Surr: Toluene-d8	100	78.6-119		%REC	376819	1	05/24/2024 12:38	AV
METALS, DISSOLVED SW6010D		(SW3005A)						
Arsenic	BRL	0.0100		mg/L	376689	1	05/24/2024 12:12	DS
Barium	0.0319	0.0200		mg/L	376689	1	05/24/2024 12:12	DS
Cadmium	BRL	0.0050		mg/L	376689	1	05/24/2024 12:12	DS
Chromium	BRL	0.0100		mg/L	376689	1	05/24/2024 12:12	DS
Lead	BRL	0.0100		mg/L	376689	1	05/24/2024 12:12	DS

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Logic Environmental
Project Name: S153
Lab ID: 2405Q57-001

Client Sample ID: RP-1
Collection Date: 5/22/2024 10:50:00 AM
Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, DISSOLVED								
					(SW3005A)			
Selenium	BRL	0.0200		mg/L	376689	1	05/24/2024 12:12	DS
Silver	BRL	0.0100		mg/L	376689	1	05/24/2024 12:12	DS
Mercury, Dissolved								
					(SW7470A)			
Mercury	BRL	0.00020		mg/L	376792	1	05/28/2024 16:01	GR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Logic Environmental
 Project Name: S153
 Lab ID: 2405Q57-002

Client Sample ID: UP-1
 Collection Date: 5/22/2024 11:15:00 AM
 Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270E					(SW3510C)			
1,1'-Biphenyl	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	376583	1	05/25/2024 05:47	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
2,4-Dichlorophenol	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
2,4-Dimethylphenol	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
2,4-Dinitrophenol	BRL	25		ug/L	376583	1	05/25/2024 05:47	YH
2,4-Dinitrotoluene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
2,6-Dinitrotoluene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
2-Chloronaphthalene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
2-Chlorophenol	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
2-Methylnaphthalene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
2-Methylphenol	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
2-Nitroaniline	BRL	25		ug/L	376583	1	05/25/2024 05:47	YH
2-Nitrophenol	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
3,3'-Dichlorobenzidine	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
3-Nitroaniline	BRL	25		ug/L	376583	1	05/25/2024 05:47	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	376583	1	05/25/2024 05:47	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
4-Chloroaniline	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
4-Methylphenol	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
4-Nitroaniline	BRL	25		ug/L	376583	1	05/25/2024 05:47	YH
4-Nitrophenol	BRL	25		ug/L	376583	1	05/25/2024 05:47	YH
Acenaphthene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Acenaphthylene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Acetophenone	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Anthracene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Atrazine	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Benz(a)anthracene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Benzaldehyde	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Benzo(a)pyrene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Benzo(b)fluoranthene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Benzo(k)fluoranthene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Butyl benzyl phthalate	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Caprolactam	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Carbazole	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Chrysene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Di-n-butyl phthalate	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Logic Environmental
Project Name: S153
Lab ID: 2405Q57-002

Client Sample ID: UP-1
Collection Date: 5/22/2024 11:15:00 AM
Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270E					(SW3510C)			
Di-n-octyl phthalate	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Dibenzofuran	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Diethyl phthalate	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Dimethyl phthalate	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Fluoranthene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Fluorene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Hexachlorobenzene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Hexachlorobutadiene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Hexachloroethane	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Isophorone	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Naphthalene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Nitrobenzene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Pentachlorophenol	BRL	25		ug/L	376583	1	05/25/2024 05:47	YH
Phenanthrene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Phenol	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Pyrene	BRL	10		ug/L	376583	1	05/25/2024 05:47	YH
Surr: 2,4,6-Tribromophenol	74.4	53.4-132		%REC	376583	1	05/25/2024 05:47	YH
Surr: 2-Fluorobiphenyl	95.2	48-126		%REC	376583	1	05/25/2024 05:47	YH
Surr: 2-Fluorophenol	67.3	29.3-120		%REC	376583	1	05/25/2024 05:47	YH
Surr: 4-Terphenyl-d14	120	48.1-130		%REC	376583	1	05/25/2024 05:47	YH
Surr: Nitrobenzene-d5	71.7	41.1-129		%REC	376583	1	05/25/2024 05:47	YH
Surr: Phenol-d5	40	20.7-120		%REC	376583	1	05/25/2024 05:47	YH
TCL VOLATILE ORGANICS SW8260D					(SW5030B)			
1,1,1-Trichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
1,1,2-Trichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
1,1-Dichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
1,1-Dichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
1,2-Dibromoethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
1,2-Dichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
1,2-Dichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
1,2-Dichloropropane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
1,3-Dichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
1,4-Dichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
2-Butanone	BRL	50		ug/L	376819	1	05/24/2024 13:03	AV
2-Hexanone	BRL	10		ug/L	376819	1	05/24/2024 13:03	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Logic Environmental
Project Name: S153
Lab ID: 2405Q57-002

Client Sample ID: UP-1
Collection Date: 5/22/2024 11:15:00 AM
Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5030B)						
4-Methyl-2-pentanone	BRL	10		ug/L	376819	1	05/24/2024 13:03	AV
Acetone	BRL	50		ug/L	376819	1	05/24/2024 13:03	AV
Benzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Bromodichloromethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Bromoform	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Bromomethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Carbon disulfide	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Carbon tetrachloride	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Chlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Chloroethane	BRL	10		ug/L	376819	1	05/24/2024 13:03	AV
Chloroform	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Chloromethane	BRL	10		ug/L	376819	1	05/24/2024 13:03	AV
cis-1,2-Dichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
cis-1,3-Dichloropropene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Cyclohexane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Dibromochloromethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Dichlorodifluoromethane	BRL	10		ug/L	376819	1	05/24/2024 13:03	AV
Ethylbenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Freon-113	BRL	10		ug/L	376819	1	05/24/2024 13:03	AV
Isopropylbenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
m,p-Xylene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Methyl acetate	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Methyl tert-butyl ether	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Methylcyclohexane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Methylene chloride	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
o-Xylene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Styrene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Tetrachloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Toluene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
trans-1,2-Dichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
trans-1,3-Dichloropropene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Trichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Trichlorofluoromethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:03	AV
Vinyl chloride	BRL	2.0		ug/L	376819	1	05/24/2024 13:03	AV
Surr: 4-Bromofluorobenzene	96.6	70-126		%REC	376819	1	05/24/2024 13:03	AV
Surr: Dibromofluoromethane	92.7	77-121		%REC	376819	1	05/24/2024 13:03	AV
Surr: Toluene-d8	99.9	78.6-119		%REC	376819	1	05/24/2024 13:03	AV
METALS, DISSOLVED SW6010D		(SW3005A)						
Arsenic	BRL	0.0100		mg/L	376689	1	05/24/2024 12:15	DS
Barium	BRL	0.0200		mg/L	376689	1	05/24/2024 12:15	DS
Cadmium	BRL	0.0050		mg/L	376689	1	05/24/2024 12:15	DS
Chromium	BRL	0.0100		mg/L	376689	1	05/24/2024 12:15	DS
Lead	BRL	0.0100		mg/L	376689	1	05/24/2024 12:15	DS

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Logic Environmental
Project Name: S153
Lab ID: 2405Q57-002

Client Sample ID: UP-1
Collection Date: 5/22/2024 11:15:00 AM
Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, DISSOLVED								
					(SW3005A)			
Selenium	BRL	0.0200		mg/L	376689	1	05/24/2024 12:15	DS
Silver	BRL	0.0100		mg/L	376689	1	05/24/2024 12:15	DS
Mercury, Dissolved								
					(SW7470A)			
Mercury	BRL	0.00020		mg/L	376792	1	05/28/2024 16:13	GR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Logic Environmental
 Project Name: S153
 Lab ID: 2405Q57-003

Client Sample ID: DS-1
 Collection Date: 5/22/2024 11:45:00 AM
 Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270E		(SW3510C)						
1,1'-Biphenyl	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	376583	1	05/25/2024 06:15	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
2,4-Dichlorophenol	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
2,4-Dimethylphenol	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
2,4-Dinitrophenol	BRL	25		ug/L	376583	1	05/25/2024 06:15	YH
2,4-Dinitrotoluene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
2,6-Dinitrotoluene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
2-Chloronaphthalene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
2-Chlorophenol	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
2-Methylnaphthalene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
2-Methylphenol	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
2-Nitroaniline	BRL	25		ug/L	376583	1	05/25/2024 06:15	YH
2-Nitrophenol	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
3,3'-Dichlorobenzidine	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
3-Nitroaniline	BRL	25		ug/L	376583	1	05/25/2024 06:15	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	376583	1	05/25/2024 06:15	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
4-Chloroaniline	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
4-Methylphenol	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
4-Nitroaniline	BRL	25		ug/L	376583	1	05/25/2024 06:15	YH
4-Nitrophenol	BRL	25		ug/L	376583	1	05/25/2024 06:15	YH
Acenaphthene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Acenaphthylene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Acetophenone	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Anthracene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Atrazine	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Benz(a)anthracene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Benzaldehyde	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Benzo(a)pyrene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Benzo(b)fluoranthene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Benzo(k)fluoranthene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Butyl benzyl phthalate	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Caprolactam	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Carbazole	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Chrysene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Di-n-butyl phthalate	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Logic Environmental
Project Name: S153
Lab ID: 2405Q57-003

Client Sample ID: DS-1
Collection Date: 5/22/2024 11:45:00 AM
Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270E		(SW3510C)						
Di-n-octyl phthalate	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Dibenzofuran	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Diethyl phthalate	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Dimethyl phthalate	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Fluoranthene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Fluorene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Hexachlorobenzene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Hexachlorobutadiene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Hexachloroethane	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Isophorone	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Naphthalene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Nitrobenzene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Pentachlorophenol	BRL	25		ug/L	376583	1	05/25/2024 06:15	YH
Phenanthrene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Phenol	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Pyrene	BRL	10		ug/L	376583	1	05/25/2024 06:15	YH
Surr: 2,4,6-Tribromophenol	66.1	53.4-132		%REC	376583	1	05/25/2024 06:15	YH
Surr: 2-Fluorobiphenyl	88	48-126		%REC	376583	1	05/25/2024 06:15	YH
Surr: 2-Fluorophenol	49.4	29.3-120		%REC	376583	1	05/25/2024 06:15	YH
Surr: 4-Terphenyl-d14	108	48.1-130		%REC	376583	1	05/25/2024 06:15	YH
Surr: Nitrobenzene-d5	68.6	41.1-129		%REC	376583	1	05/25/2024 06:15	YH
Surr: Phenol-d5	33.8	20.7-120		%REC	376583	1	05/25/2024 06:15	YH
TCL VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1-Trichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
1,1,2-Trichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
1,1-Dichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
1,1-Dichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
1,2-Dibromoethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
1,2-Dichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
1,2-Dichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
1,2-Dichloropropane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
1,3-Dichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
1,4-Dichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
2-Butanone	BRL	50		ug/L	376819	1	05/24/2024 13:28	AV
2-Hexanone	BRL	10		ug/L	376819	1	05/24/2024 13:28	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Logic Environmental	Client Sample ID: DS-1
Project Name: S153	Collection Date: 5/22/2024 11:45:00 AM
Lab ID: 2405Q57-003	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5030B)						
4-Methyl-2-pentanone	BRL	10		ug/L	376819	1	05/24/2024 13:28	AV
Acetone	BRL	50		ug/L	376819	1	05/24/2024 13:28	AV
Benzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Bromodichloromethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Bromoform	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Bromomethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Carbon disulfide	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Carbon tetrachloride	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Chlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Chloroethane	BRL	10		ug/L	376819	1	05/24/2024 13:28	AV
Chloroform	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Chloromethane	BRL	10		ug/L	376819	1	05/24/2024 13:28	AV
cis-1,2-Dichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
cis-1,3-Dichloropropene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Cyclohexane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Dibromochloromethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Dichlorodifluoromethane	BRL	10		ug/L	376819	1	05/24/2024 13:28	AV
Ethylbenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Freon-113	BRL	10		ug/L	376819	1	05/24/2024 13:28	AV
Isopropylbenzene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
m,p-Xylene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Methyl acetate	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Methyl tert-butyl ether	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Methylcyclohexane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Methylene chloride	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
o-Xylene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Styrene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Tetrachloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Toluene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
trans-1,2-Dichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
trans-1,3-Dichloropropene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Trichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Trichlorofluoromethane	BRL	5.0		ug/L	376819	1	05/24/2024 13:28	AV
Vinyl chloride	BRL	2.0		ug/L	376819	1	05/24/2024 13:28	AV
Surr: 4-Bromofluorobenzene	95	70-126		%REC	376819	1	05/24/2024 13:28	AV
Surr: Dibromofluoromethane	92.2	77-121		%REC	376819	1	05/24/2024 13:28	AV
Surr: Toluene-d8	99.5	78.6-119		%REC	376819	1	05/24/2024 13:28	AV
METALS, DISSOLVED SW6010D		(SW3005A)						
Arsenic	BRL	0.0100		mg/L	376689	1	05/24/2024 11:57	DS
Barium	BRL	0.0200		mg/L	376689	1	05/24/2024 11:57	DS
Cadmium	BRL	0.0050		mg/L	376689	1	05/24/2024 11:57	DS
Chromium	BRL	0.0100		mg/L	376689	1	05/24/2024 11:57	DS
Lead	BRL	0.0100		mg/L	376689	1	05/24/2024 11:57	DS

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Logic Environmental
 Project Name: S153
 Lab ID: 2405Q57-003

Client Sample ID: DS-1
 Collection Date: 5/22/2024 11:45:00 AM
 Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, DISSOLVED					(SW3005A)			
Selenium	BRL	0.0200		mg/L	376689	1	05/24/2024 11:57	DS
Silver	BRL	0.0100		mg/L	376689	1	05/24/2024 11:57	DS
Mercury, Dissolved					(SW7470A)			
Mercury	BRL	0.00020		mg/L	376792	1	05/28/2024 16:17	GR

Qualifiers:

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- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Logic Environmental
 Project Name: S153
 Lab ID: 2405Q57-004

Client Sample ID: Trip Blank
 Collection Date: 5/22/2024
 Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1-Trichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
1,1,2-Trichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
1,1-Dichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
1,1-Dichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
1,2-Dibromoethane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
1,2-Dichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
1,2-Dichloroethane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
1,2-Dichloropropane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
1,3-Dichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
1,4-Dichlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
2-Butanone	BRL	50		ug/L	376819	1	05/24/2024 10:05	AV
2-Hexanone	BRL	10		ug/L	376819	1	05/24/2024 10:05	AV
4-Methyl-2-pentanone	BRL	10		ug/L	376819	1	05/24/2024 10:05	AV
Acetone	BRL	50		ug/L	376819	1	05/24/2024 10:05	AV
Benzene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Bromodichloromethane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Bromoform	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Bromomethane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Carbon disulfide	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Carbon tetrachloride	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Chlorobenzene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Chloroethane	BRL	10		ug/L	376819	1	05/24/2024 10:05	AV
Chloroform	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Chloromethane	BRL	10		ug/L	376819	1	05/24/2024 10:05	AV
cis-1,2-Dichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
cis-1,3-Dichloropropene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Cyclohexane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Dibromochloromethane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Dichlorodifluoromethane	BRL	10		ug/L	376819	1	05/24/2024 10:05	AV
Ethylbenzene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Freon-113	BRL	10		ug/L	376819	1	05/24/2024 10:05	AV
Isopropylbenzene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
m,p-Xylene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Methyl acetate	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Methyl tert-butyl ether	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Methylcyclohexane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Methylene chloride	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
o-Xylene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Styrene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Tetrachloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Toluene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV

Qualifiers:

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- BRL Below reporting limit
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- N Analyte not NELAC certified
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- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Logic Environmental
Project Name: S153
Lab ID: 2405Q57-004

Client Sample ID: Trip Blank
Collection Date: 5/22/2024
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D								
					(SW5030B)			
trans-1,2-Dichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
trans-1,3-Dichloropropene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Trichloroethene	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Trichlorofluoromethane	BRL	5.0		ug/L	376819	1	05/24/2024 10:05	AV
Vinyl chloride	BRL	2.0		ug/L	376819	1	05/24/2024 10:05	AV
Surr: 4-Bromofluorobenzene	98	70-126		%REC	376819	1	05/24/2024 10:05	AV
Surr: Dibromofluoromethane	93.5	77-121		%REC	376819	1	05/24/2024 10:05	AV
Surr: Toluene-d8	98.3	78.6-119		%REC	376819	1	05/24/2024 10:05	AV

Qualifiers:

* Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

SAMPLE/COOLER RECEIPT CHECKLIST

Logic Environmental

2405Q57

AES Work Order Number:

1. Client Name:

2. Carrier: FedEx UPS USPS Client Courier Other

	Yes			No			N/A			Details			Comments	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3. Shipping container/cooler received in good condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Custody seals present on shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Custody seals intact on shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Cooler temperature(s) within limits of 0-6°C? [See item 12 for temperature recordings.]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Chain of Custody (COC) present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8. Chain of Custody signed, dated, and timed when relinquished and received?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9. Sampler name and/or signature on COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10. Were all samples received within holding time?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11. TAT marked on the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions.

12. Cooler 1 Temperature 5.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

13. Comments: _____ I certify that I have completed sections 1-13 (dated initials). CP 5/22/24

	Yes			No			N/A			Details			Comments
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14. Temperature blanks present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15. Were sample containers intact upon receipt?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16. Custody seals present on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
17. Custody seals intact on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
18. Do sample container labels match the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	incomplete info <input type="checkbox"/> no label <input type="checkbox"/> illegible <input type="checkbox"/> other <input type="checkbox"/>
19. Are analyses requested indicated on the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>
20. Were all of the samples listed on the COC received?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
21. Was the sample collection date/time noted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
22. Did we receive sufficient sample volume for indicated analyses?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
23. Were samples received in appropriate containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
24. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
25. Were trip blanks submitted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>

26. Comments: _____ I certify that I have completed sections 14-26 (dated initials). RW 5/22/24

This section only applies to samples where pH can be checked at Sample Receipt.

	Yes			No			N/A			Details			Comments
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
27. Have containers needing chemical preservation been checked?*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
28. Containers meet preservation guidelines?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
29. Was pH adjusted at Sample Receipt?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

*Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH. This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 27-29 (dated initials). RW 5/22/24

Dates Report

Client: Logic Environmental
 Project Name: S153
 Lab Order: 2405Q57

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2405Q57-001A	RP-1	5/22/2024 10:50:00AM	Surface Water	TCL VOLATILE ORGANICS	5/24/2024	7:09:00AM	05/24/2024
2405Q57-001B	RP-1	5/22/2024 10:50:00AM	Surface Water	DISSOLVED METALS BY ICP	5/23/2024	1:11:00PM	05/24/2024
2405Q57-001B	RP-1	5/22/2024 10:50:00AM	Surface Water	MERCURY, DISSOLVED	5/28/2024	12:07:00PM	05/28/2024
2405Q57-001C	RP-1	5/22/2024 10:50:00AM	Surface Water	TCL-SEMIVOLATILE ORGANICS	5/23/2024	7:40:13AM	05/28/2024
2405Q57-002A	UP-1	5/22/2024 11:15:00AM	Surface Water	TCL VOLATILE ORGANICS	5/24/2024	7:09:00AM	05/24/2024
2405Q57-002B	UP-1	5/22/2024 11:15:00AM	Surface Water	DISSOLVED METALS BY ICP	5/23/2024	1:11:00PM	05/24/2024
2405Q57-002B	UP-1	5/22/2024 11:15:00AM	Surface Water	MERCURY, DISSOLVED	5/28/2024	12:07:00PM	05/28/2024
2405Q57-002C	UP-1	5/22/2024 11:15:00AM	Surface Water	TCL-SEMIVOLATILE ORGANICS	5/23/2024	7:40:13AM	05/25/2024
2405Q57-003A	DS-1	5/22/2024 11:45:00AM	Surface Water	TCL VOLATILE ORGANICS	5/24/2024	7:09:00AM	05/24/2024
2405Q57-003B	DS-1	5/22/2024 11:45:00AM	Surface Water	DISSOLVED METALS BY ICP	5/23/2024	1:11:00PM	05/24/2024
2405Q57-003B	DS-1	5/22/2024 11:45:00AM	Surface Water	MERCURY, DISSOLVED	5/28/2024	12:07:00PM	05/28/2024
2405Q57-003C	DS-1	5/22/2024 11:45:00AM	Surface Water	TCL-SEMIVOLATILE ORGANICS	5/23/2024	7:40:13AM	05/25/2024
2405Q57-004A	Trip Blank	5/22/2024 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS	5/24/2024	7:09:00AM	05/24/2024

ANALYTICAL QC SUMMARY REPORT

Client: Logie Environmental

Project Name: S153

Workorder: 2405Q57

BatchID: 376583

Sample ID: MB-376583	Client ID:	Units: ug/L	Prep Date: 05/22/2024	Run No: 545753							
Sample Type: MBLK	Test Code: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 376583	Analysis Date: 05/22/2024	Seq No: 13047146							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1'-Biphenyl	BRL	10									
2,4,5-Trichlorophenol	BRL	25									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2,4-Dinitrotoluene	BRL	10									
2,6-Dinitrotoluene	BRL	10									
2-Chloronaphthalene	BRL	10									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Nitroaniline	BRL	25									
2-Nitrophenol	BRL	10									
3,3'-Dichlorobenzidine	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
4-Chloroaniline	BRL	10									
4-Chlorophenyl phenyl ether	BRL	10									
4-Methylphenol	BRL	10									
4-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit		E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit		N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit		S	Spike Recovery outside limits due to matrix		

ANALYTICAL QC SUMMARY REPORT

Client: Logic Environmental

Project Name: S153

Workorder: 2405Q57

Batch ID: 376583

Sample ID: MB-376583	Client ID:	Units: ug/L	Prep Date: 05/22/2024	Run No: 545753							
Sample type: MBLK	Test Code: TCL-SEMIVOLATILE ORGANICS SW8270E	Batch ID: 376583	Analysis Date: 05/22/2024	Seq No: 13047146							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	10									
Atrazine	BRL	10									
Benz(a)anthracene	BRL	10									
Benzaldehyde	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-chloroisopropyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethyl phthalate	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

ANALYTICAL QC SUMMARY REPORT

Client: Logic Environmental

Project Name: S153

Workorder: 2405Q57

BatchID: 376583

Sample ID: MB-376583	Client ID:	Units: ug/L	Prep Date: 05/22/2024	Run No: 545753
Sample Type: MBLK	Test Code: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 376583	Analysis Date: 05/22/2024	Seq No: 13047146

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isophorone	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	74.96	0	100.0		75.0	53.4	132				
Surr: 2-Fluorobiphenyl	43.24	0	50.00		86.5	48	126				
Surr: 2-Fluorophenol	62.53	0	100.0		62.5	29.3	120				
Surr: 4-Terphenyl-d14	53.33	0	50.00		107	48.1	130				
Surr: Nitrobenzene-d5	40.83	0	50.00		81.7	41.1	129				
Surr: Phenol-d5	47.75	0	100.0		47.8	20.7	120				

Sample ID: LCS-376583	Client ID:	Units: ug/L	Prep Date: 05/22/2024	Run No: 545753
Sample Type: LCS	Test Code: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 376583	Analysis Date: 05/22/2024	Seq No: 13047147

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	93.16	10	100.0		93.2	62.4	130				
2-Chlorophenol	83.60	10	100.0		83.6	50	130				
4-Chloro-3-methylphenol	90.64	10	100.0		90.6	60.3	124				
4-Nitrophenol	38.59	25	100.0		38.6	7.93	120				
Acenaphthene	96.64	10	100.0		96.6	60.4	127				
N-Nitrosodi-n-propylamine	92.84	10	100.0		92.8	57.9	129				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	>	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	>	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	>	Reporting Limit	S	Spike Recovery outside limits due to matrix		

ANALYTICAL QC SUMMARY REPORT

BatchID: 376583

Client: Logic Environmental

Project Name: S153

Workorder: 2405Q57

Sample ID: LCS-376583	Client ID:	Units: ug/L	Prep Date: 05/22/2024	Run No: 545753
SampleType: LCS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 376583	Analysis Date: 05/22/2024	Seq No: 13047147

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	51.79	25	100.0		51.8	50.6	130				
Phenol	36.45	10	100.0		36.4	20.1	130				
Pyrene	118.3	10	100.0		118	61.3	133				
Surr: 2,4,6-Tribromophenol	82.02	0	100.0		82.0	53.4	132				
Surr: 2-Fluorobiphenyl	48.62	0	50.00		97.2	48	126				
Surr: 2-Fluorophenol	56.50	0	100.0		56.5	29.3	120				
Surr: 4-Terphenyl-d14	55.96	0	50.00		112	48.1	130				
Surr: Nitrobenzene-d5	43.47	0	50.00		86.9	41.1	129				
Surr: Phenol-d5	42.05	0	100.0		42.0	20.7	120				

Sample ID: 2405M19-018BMS	Client ID:	Units: ug/L	Prep Date: 05/22/2024	Run No: 545753
SampleType: MS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 376583	Analysis Date: 05/22/2024	Seq No: 13047149

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	84.27	10	100.0		84.3	50.4	130				
2-Chlorophenol	72.79	10	100.0		72.8	45	120				
4-Chloro-3-methylphenol	77.47	10	100.0		77.5	46.4	125				
4-Nitrophenol	46.31	25	100.0		46.3	24	120				
Acenaphthene	86.30	10	100.0		86.3	50.1	129				
N-Nitrosodi-n-propylamine	80.17	10	100.0		80.2	50.8	129				
Pentachlorophenol	47.85	25	100.0		47.8	45	117				
Phenol	40.90	10	100.0		40.9	25	120				
Pyrene	109.4	10	100.0		109	51.2	131				
Surr: 2,4,6-Tribromophenol	68.59	0	100.0		68.6	53.4	132				
Surr: 2-Fluorobiphenyl	40.99	0	50.00		82.0	48	126				
Surr: 2-Fluorophenol	50.14	0	100.0		50.1	29.3	120				
Surr: 4-Terphenyl-d14	47.97	0	50.00		95.9	48.1	130				
Surr: Nitrobenzene-d5	36.92	0	50.00		73.8	41.1	129				

Qualifiers: > Greater than Result value
 < Less than Result value
 BRL Below reporting limit
 E Estimated (value above quantitation range)
 J Estimated value detected below Reporting Limit
 N Analyte not NELAC certified
 RPT Lim Reporting Limit
 S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

ANALYTICAL QC SUMMARY REPORT

BatchID: 376583

Client: Logic Environmental
Project Name: S153
Workorder: 2405Q57

Sample ID: 2405M19-018BMS	Client ID:	Units: ug/L	Prep Date: 05/22/2024	Run No: 545753			
Sample Type: MS	Test Code: TCL-SEMIVOLATILE ORGANICS	BatchID: 376583	Analysis Date: 05/22/2024	Seq No: 13047149			
Analyte	RPT Limit	%REC	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	0	47.0	20.7	120			

Sample ID: 2405M19-018BMSD	Client ID:	Units: ug/L	Prep Date: 05/22/2024	Run No: 545753			
Sample Type: MSD	Test Code: TCL-SEMIVOLATILE ORGANICS	BatchID: 376583	Analysis Date: 05/22/2024	Seq No: 13047150			
Analyte	RPT Limit	%REC	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Analyte	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	10	100.0		83.4	50.4	130	84.27	1.05	35.3	
2-Chlorophenol	10	100.0		45.5	45	120	72.79	46.2	43.1	R
4-Chloro-3-methylphenol	10	100.0		59.7	46.4	125	77.47	25.9	48.4	
4-Nitrophenol	25	100.0		31.0	24	120	46.31	39.8	62.8	
Acenaphthene	10	100.0		85.8	50.1	129	86.30	0.628	37.3	
N-Nitrosodi-n-propylamine	10	100.0		79.5	50.8	129	80.17	0.802	42	
Pentachlorophenol	25	100.0		28.0	45	117	47.85	52.2	64.7	S
Phenol	10	100.0		28.9	25	120	40.90	34.5	81.5	
Pyrene	10	100.0		113	51.2	131	109.4	3.21	43.5	
Surr: 2,4,6-Tribromophenol	0	100.0		51.9	53.4	132	68.59	0	0	S
Surr: 2-Fluorobiphenyl	0	50.00		84.8	48	126	40.99	0	0	
Surr: 2-Fluorophenol	0	100.0		31.9	29.3	120	50.14	0	0	
Surr: 4-Terphenyl-d14	0	50.00		94.8	48.1	130	47.97	0	0	
Surr: Nitrobenzene-d5	0	50.00		66.6	41.1	129	36.92	0	0	
Surr: Phenol-d5	0	100.0		31.5	20.7	120	46.95	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit		E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit		N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit		S	Spike Recovery outside limits due to matrix		

ANALYTICAL QC SUMMARY REPORT

Client: Logic Environmental
Project Name: S153
Workorder: 2405Q57

BatchID: 376689

Sample ID: MB-376689	Client ID:	Units: mg/L	Prep Date: 05/23/2024	Run No: 545959							
SampleType: MBLK	TestCode: METALS, DISSOLVED	BatchID: 376689	Analysis Date: 05/24/2024	Seq No: 13034207							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	BRL	0.0100									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Lead	BRL	0.0100									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									

Sample ID: LCS-376689	Client ID:	Units: mg/L	Prep Date: 05/23/2024	Run No: 545959							
SampleType: LCS	TestCode: METALS, DISSOLVED	BatchID: 376689	Analysis Date: 05/24/2024	Seq No: 13034210							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.006	0.0500	1.000		101	80	120				
Barium	0.9942	0.0200	1.000		99.4	80	120				
Cadmium	1.010	0.0050	1.000		101	80	120				
Chromium	1.002	0.0100	1.000		100	80	120				
Lead	1.004	0.0100	1.000		100	80	120				
Selenium	1.069	0.0200	1.000		107	80	120				
Silver	0.1005	0.0100	0.1000		100	80	120				

Sample ID: 2405Q57-003BMS	Client ID: DS-1	Units: mg/L	Prep Date: 05/23/2024	Run No: 545959							
SampleType: MS	TestCode: METALS, DISSOLVED	BatchID: 376689	Analysis Date: 05/24/2024	Seq No: 13034212							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.014	0.0500	1.000		101	75	125				
Barium	1.010	0.0200	1.000	0.01457	99.5	75	125				
Cadmium	1.010	0.0050	1.000		101	75	125				
Chromium	1.003	0.0100	1.000		100	75	125				

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit
 < Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

ANALYTICAL QC SUMMARY REPORT

Client: Logic Environmental

Project Name: SI53

Workorder: 2405Q57

BatchID: 376689

Sample ID: 2405Q57-003BMS	Client ID: DS-1	Units: mg/L	Run No: 545959
Sample Type: MS	Test Code: METALS, DISSOLVED	BatchID: 376689	Seq No: 13034212
		Prep Date: 05/23/2024	
		Analysis Date: 05/24/2024	

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	1.004	0.0100	1.000		100	75	125				
Selenium	1.085	0.0200	1.000		109	75	125				
Silver	0.1002	0.0100	0.1000		100	75	125				

Sample ID: 2405Q57-003BMSD	Client ID: DS-1	Units: mg/L	Run No: 545959
Sample Type: MSD	Test Code: METALS, DISSOLVED	BatchID: 376689	Seq No: 13034213
		Prep Date: 05/23/2024	
		Analysis Date: 05/24/2024	

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.010	0.0500	1.000		101	75	125	1.014	0.393	20	
Barium	0.9987	0.0200	1.000	0.01457	98.4	75	125	1.010	1.12	20	
Cadmium	0.9981	0.0050	1.000		99.8	75	125	1.010	1.13	20	
Chromium	0.9916	0.0100	1.000		99.2	75	125	1.003	1.17	20	
Lead	0.9913	0.0100	1.000		99.1	75	125	1.004	1.27	20	
Selenium	1.086	0.0200	1.000		109	75	125	1.085	0.068	20	
Silver	0.09956	0.0100	0.1000		99.6	75	125	0.1002	0.601	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL		Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim		Reporting Limit	S	Spike Recovery outside limits due to matrix		

ANALYTICAL QC SUMMARY REPORT

Client: Logic Environmental

Project Name: S153

Workorder: 2405Q57

BatchID: 376792

Sample ID: MB-376792	Client ID:	Units: mg/L	Prep Date: 05/28/2024	Run No: 546034
Sample Type: MBLK	Test Code: Mercury, Dissolved	BatchID: 376792	Analysis Date: 05/28/2024	Seq No: 13037023
Analyte	Result	%REC	Low Limit	High Limit
Mercury	BRL		RPD Ref Val	%RPD
			SPK Ref Val	RPD Limit
			SPK value	Qual
			RPT Limit	
			0.00020	

Sample ID: LCS-376792	Client ID:	Units: mg/L	Prep Date: 05/28/2024	Run No: 546034
Sample Type: LCS	Test Code: Mercury, Dissolved	BatchID: 376792	Analysis Date: 05/28/2024	Seq No: 13037024
Analyte	Result	%REC	Low Limit	High Limit
Mercury	0.004118	103	80	120

Sample ID: 2405Q57-001BMS	Client ID: RP-1	Units: mg/L	Prep Date: 05/28/2024	Run No: 546034
Sample Type: MS	Test Code: Mercury, Dissolved	BatchID: 376792	Analysis Date: 05/28/2024	Seq No: 13037026
Analyte	Result	%REC	Low Limit	High Limit
Mercury	0.004003	100	75	125

Sample ID: 2405Q57-001BMSD	Client ID: RP-1	Units: mg/L	Prep Date: 05/28/2024	Run No: 546034
Sample Type: MSD	Test Code: Mercury, Dissolved	BatchID: 376792	Analysis Date: 05/28/2024	Seq No: 13037027
Analyte	Result	%REC	Low Limit	High Limit
Mercury	0.004234	106	7	125

			0.00400	5.61	20
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Qualifiers:

- > Greater than Result value
- BRL Below reporting limit
- J Estimated value detected below Reporting Limit
- Rpt Lim Reporting Limit

- < Less than Result value
- E Estimated (value above quantitation range)
- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix

- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

ANALYTICAL QC SUMMARY REPORT

Client: Logic Environmental

Project Name: S153

Workorder: 2405Q57

BatchID: 376819

Sample ID: MB-376819	Client ID:	Units: ug/L	Prep Date: 05/24/2024	Run No: 545986							
Sample Type: MBLK	Test Code: TCL VOLATILE ORGANICS SW8260D	BatchID: 376819	Analysis Date: 05/24/2024	Seq No: 13034110							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	>	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	>	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	>	Reporting Limit	S	Spike Recovery outside limits due to matrix		

ANALYTICAL QC SUMMARY REPORT

Client: Logic Environmental

Project Name: S153

Workorder: 2405Q57

BatchID: 376819

Sample ID: MB-376819	Client ID:	Units: ug/L	Prep Date: 05/24/2024	Run No: 545986
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 376819	Analysis Date: 05/24/2024	Seq No: 13034110

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	48.75	0	50.00		97.5	70				126	
Surr: Dibromofluoromethane	47.47	0	50.00		94.9	77				121	
Surr: Toluene-d8	49.55	0	50.00		99.1	78.6				119	

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit
 < Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

ANALYTICAL QC SUMMARY REPORT

Client: Logic Environmental
Project Name: S153
Workorder: 2405Q57

BatchID: 376819

Sample ID:	LCS-376819	Client ID:	TCL VOLATILE ORGANICS	SW8260D	Units:	ug/L	Prep Date:	05/24/2024	Run No:	545986	
Sample Type:	LCS	Test Code:	TCL VOLATILE ORGANICS	SW8260D	BatchID:	376819	Analysis Date:	05/24/2024	Seq No:	13034111	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	9.160	5.0	10.00		91.6	68.6	130				
Benzene	9.440	5.0	10.00		94.4	76.3	122				
Chlorobenzene	10.05	5.0	10.00		100	75.2	121				
Toluene	9.700	5.0	10.00		97.0	74.3	124				
Trichloroethene	9.660	5.0	10.00		96.6	71.9	129				
Surr: 4-Bromofluorobenzene	49.74	0	50.00		99.5	70	126				
Surr: Dibromofluoromethane	46.45	0	50.00		92.9	77	121				
Surr: Toluene-d8	47.53	0	50.00		95.1	78.6	119				

Sample ID:	2405P64-001AMS	Client ID:	TCL VOLATILE ORGANICS	SW8260D	Units:	ug/L	Prep Date:	05/24/2024	Run No:	545986	
Sample Type:	MS	Test Code:	TCL VOLATILE ORGANICS	SW8260D	BatchID:	376819	Analysis Date:	05/24/2024	Seq No:	13034134	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	18.17	5.0	20.00		90.8	69	139				
Benzene	35.25	5.0	20.00	15.64	98.0	71.3	133				
Chlorobenzene	20.12	5.0	20.00		101	77.6	128				
Toluene	19.80	5.0	20.00		99.0	72	134				
Trichloroethene	20.57	5.0	20.00		103	76.8	136				
Surr: 4-Bromofluorobenzene	51.79	0	50.00		104	70	126				
Surr: Dibromofluoromethane	47.12	0	50.00		94.2	77	121				
Surr: Toluene-d8	48.90	0	50.00		97.8	78.6	119				

Sample ID:	2405P64-001AMSD	Client ID:	TCL VOLATILE ORGANICS	SW8260D	Units:	ug/L	Prep Date:	05/24/2024	Run No:	545986	
Sample Type:	MSD	Test Code:	TCL VOLATILE ORGANICS	SW8260D	BatchID:	376819	Analysis Date:	05/24/2024	Seq No:	13034135	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	18.15	5.0	20.00		90.8	69	139	18.17	0.110	56.1	
Benzene	34.58	5.0	20.00	15.64	94.7	71.3	133	35.25	1.92	42.4	

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit
 < Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

ANALYTICAL QC SUMMARY REPORT

Client: Logic Environmental

Project Name: S153

Workorder: 2405Q57

BatchID: 376819

Sample ID: 2405P64-001A	MSD	Client ID:		
Sample Type: MSD	TestCode: TCL VOLATILE ORGANICS	SW8260D	Units: ug/L	BatchID: 376819
			Prep Date: 05/24/2024	Run No: 545986
			Analysis Date: 05/24/2024	Seq No: 13034135

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	19.69	5.0	20.00		98.4	77.6	128	20.12	2.16	49.9	
Toluene	19.78	5.0	20.00		98.9	72	134	19.80	0.101	42.5	
Trichloroethene	20.13	5.0	20.00		101	76.8	136	20.57	2.16	51.1	
Surr: 4-Bromofluorobenzene	51.05	0	50.00		102	70	126	51.79	0	0	
Surr: Dibromofluoromethane	47.94	0	50.00		95.9	77	121	47.12	0	0	
Surr: Toluene-d8	49.08	0	50.00		98.2	78.6	119	48.90	0	0	

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

End of Report