The results set forth herein are provided by SGS North America Inc.

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Automated Report

Technical Report for

Hydro-Environmental Technology, Inc.

8060.00 (RL) Indigo-Desoto Parish, LA

SGS Job Number: LA49122

Sampling Date: 10/22/18

Report to:

Hydro-Environmental Technology
P.O. BOX 60295
Lafayette, LA 70596
labdata@hetinc.us

ATTN: Stewart L Stover, Jr.

Total number of pages in report: 24

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Ron Benjamin
Lab Director

Client Service contact: Ralph Frye 337-237-4775

Certifications: LDEQ(2048), LDHH(LA150012), AR(14-045-04), AZ(AZ0805), FL(E87657), IL(200082), KY(#31), NC(487), SC(73004001), NJ(LA007), TX(T104704186-15-7), WV(257)

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Sample Summary

Hydro-Environmental Technology, Inc.

8060.00 (RL) Indigo-Desoto Parish, LA

Job No: LA49122

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
LA49122-1	10/22/18	13:40	LV/EM	10/25/18	AQ	Water	031-9313Z (MCCLARY 235' WATER WELL)
LA49122-2	10/22/18	14:15	LV/EM	10/25/18	AQ	Water	031-9342Z (MCCLARY 300' WATER WELL)

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	031-9313Z (MCCLARY 235' WATER WELL)		
Lab Sample ID:	LA49122-1	**Date Sampled:**	10/22/18
Matrix:	AQ - Water	**Date Received:**	10/25/18
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	8060.00 (RL) Indigo-Desoto Parish, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2J0057025.D	1	10/27/18 16:33	NN	n/a	n/a	V2J1652
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA RECAP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [a]	ND	0.050	mg/l	
71-43-2	Benzene	ND	0.0050	mg/l	
75-27-4	Bromodichloromethane	ND	0.0010	mg/l	
75-25-2	Bromoform	ND	0.0010	mg/l	
75-15-0	Carbon Disulfide	ND	0.0010	mg/l	
56-23-5	Carbon Tetrachloride	ND	0.0010	mg/l	
108-90-7	Chlorobenzene	ND	0.0010	mg/l	
75-00-3	Chloroethane	ND	0.0010	mg/l	
67-66-3	Chloroform	ND	0.0010	mg/l	
124-48-1	Dibromochloromethane	ND	0.0010	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0010	mg/l	
541-73-1	m-Dichlorobenzene	ND	0.0010	mg/l	
95-50-1	o-Dichlorobenzene	ND	0.0010	mg/l	
106-46-7	p-Dichlorobenzene	ND	0.0010	mg/l	
75-34-3	1,1-Dichloroethane	ND	0.0010	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	mg/l	
75-35-4	1,1-Dichloroethylene	ND	0.0010	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0010	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.0010	mg/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.0010	mg/l	
78-87-5	1,2-Dichloropropane	ND	0.0010	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0010	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0010	mg/l	
542-75-6	1,3-Dichloropropene (total)	ND	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0050	mg/l	
67-72-1	Hexachloroethane	ND	0.0010	mg/l	
78-83-1	Isobutyl Alcohol	ND	0.10	mg/l	
74-83-9	Methyl Bromide	ND	0.0010	mg/l	
74-87-3	Methyl Chloride	ND	0.0010	mg/l	
75-09-2	Methylene Chloride	ND	0.0010	mg/l	
78-93-3	Methyl Ethyl Ketone	ND	0.013	mg/l	
108-10-1	4-Methyl-2-pentanone	ND	0.013	mg/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	031-9313Z (MCCLARY 235' WATER WELL)		
Lab Sample ID:	LA49122-1	**Date Sampled:**	10/22/18
Matrix:	AQ - Water	**Date Received:**	10/25/18
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	8060.00 (RL) Indigo-Desoto Parish, LA		

VOA RECAP List

CAS No.	Compound	Result	RL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	0.0050	mg/l	
100-42-5	Styrene	ND	0.0010	mg/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0010	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00050	mg/l	
127-18-4	Tetrachloroethylene	ND	0.0010	mg/l	
108-88-3	Toluene	ND	0.0050	mg/l	
71-55-6	1,1,1-Trichloroethane	ND	0.0010	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	mg/l	
79-01-6	Trichloroethylene	ND	0.0010	mg/l	
75-69-4	Trichlorofluoromethane	ND	0.0010	mg/l	
75-01-4	Vinyl Chloride	ND	0.0010	mg/l	
	m,p-Xylene	ND	0.0050	mg/l	
95-47-6	o-Xylene	ND	0.0050	mg/l	
1330-20-7	Xylene (total)	ND	0.0050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		84-124%
2037-26-5	Toluene-D8	97%		83-115%
460-00-4	4-Bromofluorobenzene	98%		89-111%

(a) CCV recovery was above method acceptance criteria. This target analyte was not detected in the sample.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	031-9342Z (MCCLARY 300' WATER WELL)		
Lab Sample ID:	LA49122-2	**Date Sampled:**	10/22/18
Matrix:	AQ - Water	**Date Received:**	10/25/18
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	8060.00 (RL) Indigo-Desoto Parish, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2J0056935.D	1	10/26/18 20:00	NN	n/a	n/a	V2J1650
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA RECAP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.050	mg/l	
71-43-2	Benzene	ND	0.0050	mg/l	
75-27-4	Bromodichloromethane	ND	0.0010	mg/l	
75-25-2	Bromoform	ND	0.0010	mg/l	
75-15-0	Carbon Disulfide	ND	0.0010	mg/l	
56-23-5	Carbon Tetrachloride	ND	0.0010	mg/l	
108-90-7	Chlorobenzene	ND	0.0010	mg/l	
75-00-3	Chloroethane	ND	0.0010	mg/l	
67-66-3	Chloroform	ND	0.0010	mg/l	
124-48-1	Dibromochloromethane	ND	0.0010	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0010	mg/l	
541-73-1	m-Dichlorobenzene	ND	0.0010	mg/l	
95-50-1	o-Dichlorobenzene	ND	0.0010	mg/l	
106-46-7	p-Dichlorobenzene	ND	0.0010	mg/l	
75-34-3	1,1-Dichloroethane	ND	0.0010	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	mg/l	
75-35-4	1,1-Dichloroethylene	ND	0.0010	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0010	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.0010	mg/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.0010	mg/l	
78-87-5	1,2-Dichloropropane	ND	0.0010	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0010	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0010	mg/l	
542-75-6	1,3-Dichloropropene (total)	ND	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0050	mg/l	
67-72-1	Hexachloroethane	ND	0.0010	mg/l	
78-83-1	Isobutyl Alcohol	ND	0.10	mg/l	
74-83-9	Methyl Bromide	ND	0.0010	mg/l	
74-87-3	Methyl Chloride	ND	0.0010	mg/l	
75-09-2	Methylene Chloride	ND	0.0010	mg/l	
78-93-3	Methyl Ethyl Ketone	ND	0.013	mg/l	
108-10-1	4-Methyl-2-pentanone	ND	0.013	mg/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	031-9342Z (MCCLARY 300' WATER WELL)		
Lab Sample ID:	LA49122-2	**Date Sampled:**	10/22/18
Matrix:	AQ - Water	**Date Received:**	10/25/18
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	8060.00 (RL) Indigo-Desoto Parish, LA		

VOA RECAP List

CAS No.	Compound	Result	RL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	0.0050	mg/l	
100-42-5	Styrene	ND	0.0010	mg/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0010	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00050	mg/l	
127-18-4	Tetrachloroethylene	ND	0.0010	mg/l	
108-88-3	Toluene	ND	0.0050	mg/l	
71-55-6	1,1,1-Trichloroethane	ND	0.0010	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	mg/l	
79-01-6	Trichloroethylene	ND	0.0010	mg/l	
75-69-4	Trichlorofluoromethane	ND	0.0010	mg/l	
75-01-4	Vinyl Chloride	ND	0.0010	mg/l	
	m,p-Xylene	ND	0.0050	mg/l	
95-47-6	o-Xylene	ND	0.0050	mg/l	
1330-20-7	Xylene (total)	ND	0.0050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	116%		84-124%
2037-26-5	Toluene-D8	98%		83-115%
460-00-4	4-Bromofluorobenzene	95%		89-111%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

HYDRO-ENVIRONMENTAL TECHNOLOGY, INC.
Environmental Consultants
P.O. Box 60295
Lafayette, LA 70596-0295
Phone (337) 261-1963 FAX (337) 261-1953

LA49122

SAMPLE CHAIN-OF-CUSTODY RECORD

Laboratory:	SGS Lafayette		
Project Name:	Indigo	*Collected By:*	LV/EM
Project Number:	8060.00	*Company:*	Hydro-Environmental Technology, Inc.
Project Location:	DeSoto Parish, Louisiana	*Date:*	10/22/2018

Sample I.D.	Type	Date/Time Sampled		Containers	Analysis Requested/Method	Comments
031-9313Z (Mcclary 235' Water Well)	AQ	10/22/2018	13:40	(4) 40mL Glass HCl	VOC 8260	4°C
031-9342Z (Mcclary 300' Water Well)	AQ	10/22/2018	14:15	(4) 40mL Glass HCl	VOC 8260	4°C

RUSH

Relinquished By: Ken J. Gisse	Received By: Ken J. Gisse
Date/Time: 10/24/18 1300	Date/Time: 10/24/18 1300
Relinquished By: Ken J. Gisse	Received By: Walter Naumann
Date/Time: 10/29/18 1445	Date/Time: 10.25.18 1445
Analysis Due: Verbal:	Written:

NO CS
T-2.8 (DW 441)

Page 1 of 1

LA49122: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: LA49122 **Client:** HYDRO ENV **Project:** INDIGO

Date / Time Received: 10/25/2018 2:45:00 PM **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (2.8/2.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☑	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Thermometer ID:	DV441;		
3. Cooler media:	Ice (direct contact)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

LA49122: Chain of Custody
Page 2 of 2

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: LA49122
Account: HETILAL Hydro-Environmental Technology, Inc.
Project: 8060.00 (RL) Indigo-Desoto Parish, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2J1650-MB2	2J0056911.D	1	10/26/18	NN	n/a	n/a	V2J1650

The QC reported here applies to the following samples: **Method:** SW846 8260B

LA49122-2

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
75-15-0	Carbon Disulfide	ND	1.0	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
542-75-6	1,3-Dichloropropene (total)	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
67-72-1	Hexachloroethane	ND	1.0	ug/l	
78-83-1	Isobutyl Alcohol	ND	100	ug/l	
74-83-9	Methyl Bromide	ND	1.0	ug/l	
74-87-3	Methyl Chloride	ND	1.0	ug/l	
75-09-2	Methylene Chloride	ND	1.0	ug/l	
78-93-3	Methyl Ethyl Ketone	ND	13	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	13	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
100-42-5	Styrene	ND	1.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	

Method Blank Summary

Job Number: LA49122
Account: HETILAL Hydro-Environmental Technology, Inc.
Project: 8060.00 (RL) Indigo-Desoto Parish, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2J1650-MB2	2J0056911.D	1	10/26/18	NN	n/a	n/a	V2J1650

The QC reported here applies to the following samples: **Method:** SW846 8260B

LA49122-2

CAS No.	Compound	Result	RL	Units	Q
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	ug/l	
	m,p-Xylene	ND	2.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	108%	84-124%
2037-26-5	Toluene-D8	98%	83-115%
460-00-4	4-Bromofluorobenzene	96%	89-111%

Method Blank Summary

Job Number: LA49122
Account: HETILAL Hydro-Environmental Technology, Inc.
Project: 8060.00 (RL) Indigo-Desoto Parish, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2J1652-MB2	2J0057011.D	1	10/27/18	NN	n/a	n/a	V2J1652

The QC reported here applies to the following samples: **Method:** SW846 8260B

LA49122-1

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
75-15-0	Carbon Disulfide	ND	1.0	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
542-75-6	1,3-Dichloropropene (total)	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
67-72-1	Hexachloroethane	ND	1.0	ug/l	
78-83-1	Isobutyl Alcohol	ND	100	ug/l	
74-83-9	Methyl Bromide	ND	1.0	ug/l	
74-87-3	Methyl Chloride	ND	1.0	ug/l	
75-09-2	Methylene Chloride	0.49	1.0	ug/l	J
78-93-3	Methyl Ethyl Ketone	ND	13	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	13	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
100-42-5	Styrene	ND	1.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	

Method Blank Summary

Job Number: LA49122
Account: HETILAL Hydro-Environmental Technology, Inc.
Project: 8060.00 (RL) Indigo-Desoto Parish, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2J1652-MB2	2J0057011.D	1	10/27/18	NN	n/a	n/a	V2J1652

The QC reported here applies to the following samples: **Method:** SW846 8260B

LA49122-1

CAS No.	Compound	Result	RL	Units	Q
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	ug/l	
	m,p-Xylene	ND	2.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	110%	84-124%
2037-26-5	Toluene-D8	97%	83-115%
460-00-4	4-Bromofluorobenzene	97%	89-111%

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA49122
Account: HETILAL Hydro-Environmental Technology, Inc.
Project: 8060.00 (RL) Indigo-Desoto Parish, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2J1650-BS1	2J0056905.D	1	10/26/18	NN	n/a	n/a	V2J1650
V2J1650-BSD1	2J0056907.D	1	10/26/18	NN	n/a	n/a	V2J1650

The QC reported here applies to the following samples: **Method:** SW846 8260B

LA49122-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	48.8	98	49.3	99	1	38-178/30
71-43-2	Benzene	20	18.9	95	19.5	98	3	82-119/30
75-27-4	Bromodichloromethane	20	19.9	100	20.6	103	3	79-120/30
75-25-2	Bromoform	20	18.2	91	19.8	99	8	68-128/30
75-15-0	Carbon Disulfide	20	19.5	98	20.5	103	5	64-133/30
56-23-5	Carbon Tetrachloride	20	19.2	96	19.3	97	1	69-132/30
108-90-7	Chlorobenzene	20	19.1	96	19.9	100	4	85-120/30
75-00-3	Chloroethane	20	21.6	108	22.8	114	5	33-170/30
67-66-3	Chloroform	20	19.4	97	19.8	99	2	80-122/30
124-48-1	Dibromochloromethane	20	20.0	100	20.5	103	2	73-125/30
96-12-8	1,2-Dibromo-3-chloropropane	20	19.0	95	20.5	103	8	67-131/30
541-73-1	m-Dichlorobenzene	20	19.0	95	20.1	101	6	84-121/30
95-50-1	o-Dichlorobenzene	20	18.9	95	20.0	100	6	83-120/30
106-46-7	p-Dichlorobenzene	20	18.7	94	19.4	97	4	83-122/30
75-34-3	1,1-Dichloroethane	20	19.1	96	19.8	99	4	78-124/30
107-06-2	1,2-Dichloroethane	20	21.1	106	22.6	113	7	74-127/30
75-35-4	1,1-Dichloroethylene	20	18.9	95	19.1	96	1	70-134/30
156-59-2	cis-1,2-Dichloroethylene	20	19.0	95	19.9	100	5	78-122/30
156-60-5	trans-1,2-Dichloroethylene	20	19.1	96	19.2	96	1	75-127/30
540-59-0	1,2-Dichloroethene (total)	40	38.1	95	39.1	98	3	78-123/30
78-87-5	1,2-Dichloropropane	20	17.9	90	19.1	96	6	82-120/30
10061-01-5	cis-1,3-Dichloropropene	20	20.0	100	21.0	105	5	79-122/30
10061-02-6	trans-1,3-Dichloropropene	20	19.5	98	20.5	103	5	78-124/30
542-75-6	1,3-Dichloropropene (total)	40	39.6	99	41.5	104	5	50-150/30 [a]
100-41-4	Ethylbenzene	20	19.6	98	20.6	103	5	84-117/30
67-72-1	Hexachloroethane	20	20.4	102	20.3	102	0	53-141/30
78-83-1	Isobutyl Alcohol	200	188	94	209	105	11	20-175/30
74-83-9	Methyl Bromide	20	20.5	103	21.6	108	5	37-198/30
74-87-3	Methyl Chloride	20	17.9	90	19.0	95	6	50-136/30
75-09-2	Methylene Chloride	20	18.7	94	19.4	97	4	71-130/30
78-93-3	Methyl Ethyl Ketone	50	46.5	93	49.6	99	6	59-149/30
108-10-1	4-Methyl-2-pentanone	50	51.2	102	54.9	110	7	74-131/30
1634-04-4	Methyl Tert Butyl Ether	20	18.8	94	19.7	99	5	70-126/30
100-42-5	Styrene	20	20.2	101	21.5	108	6	79-128/30
630-20-6	1,1,1,2-Tetrachloroethane	20	19.5	98	20.6	103	5	84-120/30
79-34-5	1,1,2,2-Tetrachloroethane	20	19.4	97	19.9	100	3	77-126/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA49122
Account: HETILAL Hydro-Environmental Technology, Inc.
Project: 8060.00 (RL) Indigo-Desoto Parish, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2J1650-BS1	2J0056905.D	1	10/26/18	NN	n/a	n/a	V2J1650
V2J1650-BSD1	2J0056907.D	1	10/26/18	NN	n/a	n/a	V2J1650

The QC reported here applies to the following samples: **Method:** SW846 8260B

LA49122-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethylene	20	18.2	91	19.5	98	7	75-133/30
108-88-3	Toluene	20	18.8	94	19.7	99	5	80-121/30
71-55-6	1,1,1-Trichloroethane	20	19.5	98	20.3	102	4	74-126/30
79-00-5	1,1,2-Trichloroethane	20	18.6	93	19.2	96	3	80-123/30
79-01-6	Trichloroethylene	20	19.1	96	19.9	100	4	62-125/30
75-69-4	Trichlorofluoromethane	20	20.2	101	20.6	103	2	62-148/30
75-01-4	Vinyl Chloride	20	19.0	95	20.0	100	5	67-130/30
	m,p-Xylene	40	39.6	99	41.1	103	4	82-121/30
95-47-6	o-Xylene	20	19.7	99	20.7	104	5	84-119/30
1330-20-7	Xylene (total)	60	59.3	99	61.9	103	4	81-122/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	98%	84-124%
2037-26-5	Toluene-D8	99%	99%	83-115%
460-00-4	4-Bromofluorobenzene	101%	101%	89-111%

(a) Advisory control limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA49122
Account: HETILAL Hydro-Environmental Technology, Inc.
Project: 8060.00 (RL) Indigo-Desoto Parish, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2J1652-BS1	2J0057005.D	1	10/27/18	NN	n/a	n/a	V2J1652
V2J1652-BSD1	2J0057007.D	1	10/27/18	NN	n/a	n/a	V2J1652

The QC reported here applies to the following samples: **Method:** SW846 8260B

LA49122-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	95.0	190* [a]	97.4	195* [a]	2	38-178/30
71-43-2	Benzene	20	20.2	101	20.1	101	0	82-119/30
75-27-4	Bromodichloromethane	20	21.5	108	21.7	109	1	79-120/30
75-25-2	Bromoform	20	20.8	104	20.9	105	0	68-128/30
75-15-0	Carbon Disulfide	20	21.4	107	21.2	106	1	64-133/30
56-23-5	Carbon Tetrachloride	20	20.4	102	20.0	100	2	69-132/30
108-90-7	Chlorobenzene	20	20.6	103	20.4	102	1	85-120/30
75-00-3	Chloroethane	20	24.6	123	22.3	112	10	33-170/30
67-66-3	Chloroform	20	20.9	105	20.4	102	2	80-122/30
124-48-1	Dibromochloromethane	20	21.3	107	21.8	109	2	73-125/30
96-12-8	1,2-Dibromo-3-chloropropane	20	20.7	104	21.7	109	5	67-131/30
541-73-1	m-Dichlorobenzene	20	20.3	102	20.5	103	1	84-121/30
95-50-1	o-Dichlorobenzene	20	20.2	101	20.3	102	0	83-120/30
106-46-7	p-Dichlorobenzene	20	20.0	100	19.8	99	1	83-122/30
75-34-3	1,1-Dichloroethane	20	20.9	105	20.1	101	4	78-124/30
107-06-2	1,2-Dichloroethane	20	23.6	118	23.7	119	0	74-127/30
75-35-4	1,1-Dichloroethylene	20	20.4	102	19.5	98	5	70-134/30
156-59-2	cis-1,2-Dichloroethylene	20	20.6	103	20.1	101	2	78-122/30
156-60-5	trans-1,2-Dichloroethylene	20	20.2	101	20.0	100	1	75-127/30
540-59-0	1,2-Dichloroethene (total)	40	40.8	102	40.1	100	2	78-123/30
78-87-5	1,2-Dichloropropane	20	19.6	98	19.5	98	1	82-120/30
10061-01-5	cis-1,3-Dichloropropene	20	21.8	109	21.6	108	1	79-122/30
10061-02-6	trans-1,3-Dichloropropene	20	21.6	108	21.6	108	0	78-124/30
542-75-6	1,3-Dichloropropene (total)	40	43.4	109	43.3	108	0	50-150/30 [b]
100-41-4	Ethylbenzene	20	21.1	106	20.5	103	3	84-117/30
67-72-1	Hexachloroethane	20	20.5	103	21.1	106	3	53-141/30
78-83-1	Isobutyl Alcohol	200	204	102	232	116	13	20-175/30
74-83-9	Methyl Bromide	20	22.0	110	19.9	100	10	37-198/30
74-87-3	Methyl Chloride	20	20.9	105	20.1	101	4	50-136/30
75-09-2	Methylene Chloride	20	19.9	100	20.2	101	1	71-130/30
78-93-3	Methyl Ethyl Ketone	50	52.3	105	52.0	104	1	59-149/30
108-10-1	4-Methyl-2-pentanone	50	58.6	117	58.6	117	0	74-131/30
1634-04-4	Methyl Tert Butyl Ether	20	20.5	103	20.7	104	1	70-126/30
100-42-5	Styrene	20	22.3	112	21.9	110	2	79-128/30
630-20-6	1,1,1,2-Tetrachloroethane	20	21.4	107	21.5	108	0	84-120/30
79-34-5	1,1,2,2-Tetrachloroethane	20	20.8	104	21.1	106	1	77-126/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA49122
Account: HETILAL Hydro-Environmental Technology, Inc.
Project: 8060.00 (RL) Indigo-Desoto Parish, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2J1652-BS1	2J0057005.D	1	10/27/18	NN	n/a	n/a	V2J1652
V2J1652-BSD1	2J0057007.D	1	10/27/18	NN	n/a	n/a	V2J1652

The QC reported here applies to the following samples: **Method:** SW846 8260B

LA49122-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethylene	20	19.8	99	19.5	98	2	75-133/30
108-88-3	Toluene	20	20.4	102	19.8	99	3	80-121/30
71-55-6	1,1,1-Trichloroethane	20	21.5	108	20.6	103	4	74-126/30
79-00-5	1,1,2-Trichloroethane	20	19.8	99	19.8	99	0	80-123/30
79-01-6	Trichloroethylene	20	21.1	106	20.1	101	5	62-125/30
75-69-4	Trichlorofluoromethane	20	22.7	114	21.5	108	5	62-148/30
75-01-4	Vinyl Chloride	20	21.9	110	20.9	105	5	67-130/30
	m,p-Xylene	40	43.1	108	42.4	106	2	82-121/30
95-47-6	o-Xylene	20	21.4	107	21.4	107	0	84-119/30
1330-20-7	Xylene (total)	60	64.5	108	63.8	106	1	81-122/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
17060-07-0	1,2-Dichloroethane-D4	104%	102%	84-124%
2037-26-5	Toluene-D8	99%	98%	83-115%
460-00-4	4-Bromofluorobenzene	102%	102%	89-111%

(a) Outside control limits biased high. Analyte not detected in associated samples.
(b) Advisory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA49122
Account: HETILAL Hydro-Environmental Technology, Inc.
Project: 8060.00 (RL) Indigo-Desoto Parish, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA49027-3MS	2J0056943.D	5	10/26/18	NN	n/a	n/a	V2J1650
LA49027-3MSD	2J0056945.D	5	10/26/18	NN	n/a	n/a	V2J1650
LA49027-3	2J0056941.D	1	10/26/18	NN	n/a	n/a	V2J1650

The QC reported here applies to the following samples: **Method:** SW846 8260B

LA49122-2

CAS No.	Compound	LA49027-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	1.1		250	240	96	250	239	95	0	39-164/27
71-43-2	Benzene	ND		100	98.4	98	100	98.8	99	0	31-161/15
75-27-4	Bromodichloromethane	ND		100	103	103	100	105	105	2	64-122/36
75-25-2	Bromoform	ND		100	96.3	96	100	97.7	98	1	43-125/37
75-15-0	Carbon Disulfide	ND		100	99.4	99	100	101	101	2	38-138/36
56-23-5	Carbon Tetrachloride	ND		100	100	100	100	98.6	99	1	53-133/36
108-90-7	Chlorobenzene	ND		100	99.1	99	100	102	102	3	74-122/34
75-00-3	Chloroethane	ND		100	116	116	100	116	116	0	14-181/43
67-66-3	Chloroform	ND		100	100	100	100	100	100	0	65-130/24
124-48-1	Dibromochloromethane	ND		100	102	102	100	103	103	1	57-121/36
96-12-8	1,2-Dibromo-3-chloropropane	ND		100	98.5	99	100	99.2	99	1	46-135/25
541-73-1	m-Dichlorobenzene	ND		100	96.2	96	100	99.8	100	4	70-120/35
95-50-1	o-Dichlorobenzene	ND		100	95.7	96	100	97.3	97	2	72-120/35
106-46-7	p-Dichlorobenzene	ND		100	93.5	94	100	99.1	99	6	68-120/35
75-34-3	1,1-Dichloroethane	ND		100	99.1	99	100	99.9	100	1	56-138/32
107-06-2	1,2-Dichloroethane	ND		100	113	113	100	116	116	3	51-141/39
75-35-4	1,1-Dichloroethylene	ND		100	95.6	96	100	98.7	99	3	48-139/37
156-59-2	cis-1,2-Dichloroethylene	ND		100	95.6	96	100	97.4	97	2	56-133/15
156-60-5	trans-1,2-Dichloroethylene	ND		100	96.1	96	100	98.6	99	3	59-128/37
540-59-0	1,2-Dichloroethene (total)	ND		200	192	96	200	196	98	2	54-134/30
78-87-5	1,2-Dichloropropane	ND		100	93.1	93	100	94.7	95	2	68-124/32
10061-01-5	cis-1,3-Dichloropropene	ND		100	94.5	95	100	95.9	96	1	62-120/35
10061-02-6	trans-1,3-Dichloropropene	ND		100	102	102	100	103	103	1	64-119/36
542-75-6	1,3-Dichloropropene (total)	ND		200	197	99	200	199	100	1	50-150/30 [a]
100-41-4	Ethylbenzene	ND		100	101	101	100	102	102	1	47-146/30
67-72-1	Hexachloroethane	ND		100	98.5	99	100	98.2	98	0	32-128/39
78-83-1	Isobutyl Alcohol	ND		1000	1010	101	1000	998	100	1	33-142/54
74-83-9	Methyl Bromide	ND		100	106	106	100	109	109	3	1-150/64
74-87-3	Methyl Chloride	ND		100	93.5	94	100	91.8	92	2	16-146/29
75-09-2	Methylene Chloride	ND		100	98.5	99	100	98.2	98	0	55-134/36
78-93-3	Methyl Ethyl Ketone	ND		250	248	99	250	256	102	3	54-142/39
108-10-1	4-Methyl-2-pentanone	ND		250	284	114	250	268	107	6	60-140/40
1634-04-4	Methyl Tert Butyl Ether	ND		100	94.8	95	100	98.3	98	4	52-146/32
100-42-5	Styrene	ND		100	106	106	100	108	108	2	67-128/35
630-20-6	1,1,1,2-Tetrachloroethane	ND		100	103	103	100	102	102	1	67-121/35
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	104	104	100	106	106	2	64-133/38

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA49122
Account: HETILAL Hydro-Environmental Technology, Inc.
Project: 8060.00 (RL) Indigo-Desoto Parish, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA49027-3MS	2J0056943.D	5	10/26/18	NN	n/a	n/a	V2J1650
LA49027-3MSD	2J0056945.D	5	10/26/18	NN	n/a	n/a	V2J1650
LA49027-3	2J0056941.D	1	10/26/18	NN	n/a	n/a	V2J1650

The QC reported here applies to the following samples: **Method:** SW846 8260B

LA49122-2

CAS No.	Compound	LA49027-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethylene	ND		100	94.1	94	100	98.5	99	5	58-135/37
108-88-3	Toluene	ND		100	98.2	98	100	96.8	97	1	36-155/17
71-55-6	1,1,1-Trichloroethane	ND		100	103	103	100	102	102	1	63-128/36
79-00-5	1,1,2-Trichloroethane	ND		100	95.2	95	100	98.5	99	3	61-138/17
79-01-6	Trichloroethylene	ND		100	99.4	99	100	98.4	98	1	57-131/36
75-69-4	Trichlorofluoromethane	ND		100	107	107	100	105	105	2	31-156/36
75-01-4	Vinyl Chloride	ND		100	96.5	97	100	96.8	97	0	22-155/49
	m,p-Xylene	ND		200	206	103	200	208	104	1	35-159/31
95-47-6	o-Xylene	ND		100	99.3	99	100	101	101	2	50-144/35
1330-20-7	Xylene (total)	ND		300	305	102	300	309	103	1	41-154/29

CAS No.	Surrogate Recoveries	MS	MSD	LA49027-3	Limits
17060-07-0	1,2-Dichloroethane-D4	104%	102%	114%	84-124%
2037-26-5	Toluene-D8	98%	97%	98%	83-115%
460-00-4	4-Bromofluorobenzene	100%	100%	96%	89-111%

(a) Advisory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA49122
Account: HETILAL Hydro-Environmental Technology, Inc.
Project: 8060.00 (RL) Indigo-Desoto Parish, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA49017-1MS	2J0057047.D	5	10/27/18	NN	n/a	n/a	V2J1652
LA49017-1MSD	2J0057049.D	5	10/27/18	NN	n/a	n/a	V2J1652
LA49017-1 [a]	2J0057041.D	5	10/27/18	NN	n/a	n/a	V2J1652

The QC reported here applies to the following samples: **Method:** SW846 8260B

LA49122-1

CAS No.	Compound	LA49017-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	237	95	250	242	97	2	39-164/27
71-43-2	Benzene	12.4		100	121	109	100	127	115	5	31-161/15
75-27-4	Bromodichloromethane	5.3		100	111	106	100	119	114	7	64-122/36
75-25-2	Bromoform	ND		100	85.7	86	100	93.0	93	8	43-125/37
75-15-0	Carbon Disulfide	ND		100	86.9	87	100	100	100	14	38-138/36
56-23-5	Carbon Tetrachloride	ND		100	90.3	90	100	97.8	98	8	53-133/36
108-90-7	Chlorobenzene	ND		100	96.0	96	100	102	102	6	74-122/34
75-00-3	Chloroethane	ND		100	109	109	100	123	123	12	14-181/43
67-66-3	Chloroform	24.6		100	160	135* [b]	100	167	142*	4	65-130/24
124-48-1	Dibromochloromethane	2.7		100	103	100	100	112	109	8	57-121/36
96-12-8	1,2-Dibromo-3-chloropropane	ND		100	96.3	96	100	101	101	5	46-135/25
541-73-1	m-Dichlorobenzene	ND		100	94.7	95	100	103	103	8	70-120/35
95-50-1	o-Dichlorobenzene	ND		100	96.9	97	100	101	101	4	72-120/35
106-46-7	p-Dichlorobenzene	ND		100	95.5	96	100	103	103	8	68-120/35
75-34-3	1,1-Dichloroethane	ND		100	97.1	97	100	103	103	6	56-138/32
107-06-2	1,2-Dichloroethane	ND		100	109	109	100	117	117	7	51-141/39
75-35-4	1,1-Dichloroethylene	ND		100	92.3	92	100	99.7	100	8	48-139/37
156-59-2	cis-1,2-Dichloroethylene	ND		100	95.5	96	100	105	105	9	56-133/15
156-60-5	trans-1,2-Dichloroethylene	ND		100	93.9	94	100	102	102	8	59-128/37
540-59-0	1,2-Dichloroethene (total)	ND		200	189	95	200	207	104	9	54-134/30
78-87-5	1,2-Dichloropropane	ND		100	95.6	96	100	102	102	6	68-124/32
10061-01-5	cis-1,3-Dichloropropene	ND		100	101	101	100	108	108	7	62-120/35
10061-02-6	trans-1,3-Dichloropropene	ND		100	98.9	99	100	105	105	6	64-119/36
542-75-6	1,3-Dichloropropene (total)	ND		200	200	100	200	213	107	6	50-150/30 [c]
100-41-4	Ethylbenzene	344		100	658	314* [d]	100	666	322* [d]	1	47-146/30
67-72-1	Hexachloroethane	ND		100	89.9	90	100	96.7	97	7	32-128/39
78-83-1	Isobutyl Alcohol	ND		1000	1050	105	1000	920	92	13	33-142/54
74-83-9	Methyl Bromide	ND		100	85.2	85	100	106	106	22	1-150/64
74-87-3	Methyl Chloride	ND		100	93.4	93	100	102	102	9	16-146/29
75-09-2	Methylene Chloride	3.2		100	96.8	94	100	106	103	9	55-134/36
78-93-3	Methyl Ethyl Ketone	ND		250	273	109	250	279	112	2	54-142/39
108-10-1	4-Methyl-2-pentanone	ND		250	296	118	250	292	117	1	60-140/40
1634-04-4	Methyl Tert Butyl Ether	28.5		100	176	148* [b]	100	181	153* [b]	3	52-146/32
100-42-5	Styrene	ND		100	101	101	100	107	107	6	67-128/35
630-20-6	1,1,1,2-Tetrachloroethane	ND		100	95.1	95	100	101	101	6	67-121/35
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	104	104	100	106	106	2	64-133/38

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA49122
Account: HETILAL Hydro-Environmental Technology, Inc.
Project: 8060.00 (RL) Indigo-Desoto Parish, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA49017-1MS	2J0057047.D	5	10/27/18	NN	n/a	n/a	V2J1652
LA49017-1MSD	2J0057049.D	5	10/27/18	NN	n/a	n/a	V2J1652
LA49017-1 [a]	2J0057041.D	5	10/27/18	NN	n/a	n/a	V2J1652

The QC reported here applies to the following samples: **Method:** SW846 8260B

LA49122-1

CAS No.	Compound	LA49017-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethylene	ND		100	93.8	94	100	100	100	6	58-135/37
108-88-3	Toluene	402		100	749	347* [d]	100	767	365* [d]	2	36-155/17
71-55-6	1,1,1-Trichloroethane	ND		100	98.2	98	100	105	105	7	63-128/36
79-00-5	1,1,2-Trichloroethane	ND		100	97.5	98	100	101	101	4	61-138/17
79-01-6	Trichloroethylene	ND		100	96.4	96	100	103	103	7	57-131/36
75-69-4	Trichlorofluoromethane	ND		100	101	101	100	106	106	5	31-156/36
75-01-4	Vinyl Chloride	ND		100	101	101	100	109	109	8	22-155/49
	m,p-Xylene	1480		200	2460	490* [d]	200	2470	495* [d]	0	35-159/31
95-47-6	o-Xylene	669		100	1220	551* [d]	100	1230	561* [d]	1	50-144/35
1330-20-7	Xylene (total)	2150		300	3680	510* [d]	300	3700	517* [d]	1	41-154/29

CAS No.	Surrogate Recoveries	MS	MSD	LA49017-1	Limits
17060-07-0	1,2-Dichloroethane-D4	99%	99%	107%	84-124%
2037-26-5	Toluene-D8	99%	100%	99%	83-115%
460-00-4	4-Bromofluorobenzene	99%	99%	96%	89-111%

(a) Dilution required due to high concentration of non-target analytes.
(b) Outside control limits due to matrix interference. Blank Spike meets acceptance criteria.
(c) Advisory control limits.
(d) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.