



PWS_0430035_AC_20190318_Analysis Report
LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone: (512)730-6022
Fax: (512)730-6021

March 22, 2019

ROBERT TODD
FROGNOT WSC
PO BOX 400
408 W. FM 545 STE3
Blue Ridge, TX 75424

RE: Final Analytical Report
ELS Sample Q1911123002
FROGNOT WSC

Attn:

Enclosed are the analytical results for the above referenced sample received by LCRA Environmental Laboratory Services. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report. This final report provides results related only to the sample as received.

Thank you for selecting ELS for your analytical needs. If you have any questions regarding this report, please contact us at (512) 356-6022. We look forward to assisting you again.

Authorized for release by:

Bhanu Acharya

bhanu.acharya@lcra.org

Project Manager

Enclosures





LCRA Environmental Laboratory Services
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(512)730-6021

SAMPLE SUMMARY

Workorder: Q1911123

Lab ID	Sample ID	matrix	Date Collected	Date Received
Q1911123002	1904227	Drinking Water	3/18/2019 10:40	3/19/2019 08:15

Report Definitions

RL	Reporting Limit
MCL	Maximum Contaminant Level
DF	Dilution Factor
Qual	Qualifiers



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ANALYTICAL RESULTS

Workorder: Q1911123

Lab ID: Q1911123002
Sample ID: 1904227
Facility: EP002
Sample: TRT-TAP

Date Received: 3/19/2019 08:15
Date Collected: 3/18/2019 10:40
Location: PH
Client ID: TX0430035

Matrix: Drinking Water
Sample Type: SAMPLE

Parameter	Result	Units	MRL	LOD	MCL	DF	Prepared	By	Analyzed	By	Qual
E524.2 Volatiles by GC/MS											
Analysis Desc: E524.2 Volatiles by GC/MS											
Vinyl chloride	<0.500	ug/L	0.500	0.250	2	1			03/20/19 16:06	BC	
1,1-Dichloroethene	<0.500	ug/L	0.500	0.250	7	1			03/20/19 16:06	BC	
Methylene chloride	<0.500	ug/L	0.500	0.250	5	1			03/20/19 16:06	BC	
trans-1,2-Dichloroethene	<0.500	ug/L	0.500	0.250	100	1			03/20/19 16:06	BC	
cis-1,2-Dichloroethene	<0.500	ug/L	0.500	0.250	70	1			03/20/19 16:06	BC	
1,1,1-Trichloroethane	<0.500	ug/L	0.500	0.250	200	1			03/20/19 16:06	BC	
Carbon tetrachloride	<0.500	ug/L	0.500	0.250	5	1			03/20/19 16:06	BC	
1,2-Dichloroethane	<0.500	ug/L	0.500	0.250	5	1			03/20/19 16:06	BC	
Benzene	<0.500	ug/L	0.500	0.250	5	1			03/20/19 16:06	BC	
Trichloroethene	<0.500	ug/L	0.500	0.250	5	1			03/20/19 16:06	BC	
1,2-Dichloropropane	<0.500	ug/L	0.500	0.250	5	1			03/20/19 16:06	BC	
Toluene	<0.500	ug/L	0.500	0.250	1000	1			03/20/19 16:06	BC	
1,1,2-Trichloroethane	<0.500	ug/L	0.500	0.250	5	1			03/20/19 16:06	BC	
Tetrachloroethene	<0.500	ug/L	0.500	0.250	5	1			03/20/19 16:06	BC	
Chlorobenzene	<0.500	ug/L	0.500	0.250	100	1			03/20/19 16:06	BC	
Ethyl Benzene	0.580	ug/L	0.500	0.250	700	1			03/20/19 16:06	BC	
m,p-Xylene	1.72	ug/L	1.00	0.500		1			03/20/19 16:06	BC	
Styrene	<0.500	ug/L	0.500	0.250	100	1			03/20/19 16:06	BC	
1,4-Dichlorobenzene	<0.500	ug/L	0.500	0.250	75	1			03/20/19 16:06	BC	
1,2-Dichlorobenzene	<0.500	ug/L	0.500	0.250	600	1			03/20/19 16:06	BC	
1,2,4-Trichlorobenzene	<0.500	ug/L	0.500	0.250	70	1			03/20/19 16:06	BC	
Xylene (total)	2.77	ug/L	0.500	0.250	10000	1			03/20/19 16:06	BC	
Dichlorodifluoromethane	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Chloromethane	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Bromomethane	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Chloroethane	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
4-Chlorotoluene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Trichlorofluoromethane	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Acetone	<5.00	ug/L	5.00	2.50		1			03/20/19 16:06	BC	N
Methyl iodide	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Carbon disulfide	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Acrylonitrile	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N



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ANALYTICAL RESULTS

Workorder: Q1911123

Lab ID: Q1911123002
Sample ID: 1904227
Facility: EP002
Sample: TRT-TAP

Date Received: 3/19/2019 08:15
Date Collected: 3/18/2019 10:40
Location: PH
Client ID: TX0430035

Matrix: Drinking Water
Sample Type: SAMPLE

Parameter	Result	Units	MRL	LOD	MCL	DF	Prepared	By	Analyzed	By	Qual
tert-Butyl methyl ether (MTBE)	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
1,1-Dichloroethane	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Vinyl acetate	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
2,2-Dichloropropane	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
2-Butanone	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Bromochloromethane	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Tetrahydrofuran	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Chloroform	1.41	ug/L	1.00	0.500		1			03/20/19 16:06	BC	N
1,1-Dichloropropene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Methyl methacrylate	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Dibromomethane	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Bromodichloromethane	2.87	ug/L	1.00	0.500		1			03/20/19 16:06	BC	N
cis-1,3-Dichloropropene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
4-Methyl-2-pentanone	2.65	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
trans-1,3-Dichloropropene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Ethyl methacrylate	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
1,3-Dichloropropane	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
2-Hexanone	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Dibromochloromethane	4.70	ug/L	1.00	0.500		1			03/20/19 16:06	BC	N
1,1,1,2-Tetrachloroethane	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
o-Xylene	1.05	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Bromoform	2.66	ug/L	1.00	0.500		1			03/20/19 16:06	BC	N
Isopropylbenzene (Cumene)	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
1,1,2,2-Tetrachloroethane	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Bromobenzene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
1,2,3-Trichloropropane	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
n-Propylbenzene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
2-Chlorotoluene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
1,3,5-Trimethylbenzene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
tert-Butylbenzene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
1,2,4-Trimethylbenzene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
sec-Butylbenzene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
1,3-Dichlorobenzene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
4-Isopropyltoluene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
n-Butylbenzene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N



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ANALYTICAL RESULTS

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Sample ID: 1904227
Facility: EP002
Sample: TRT-TAP

Date Received: 3/19/2019 08:15
Date Collected: 3/18/2019 10:40
Location: PH
Client ID: TX0430035

Matrix: Drinking Water
Sample Type: SAMPLE

Parameter	Result	Units	MRL	LOD	MCL	DF	Prepared	By	Analyzed	By	Qual
Hexachlorobutadiene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
Naphthalene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
1,2,3-Trichlorobenzene	<0.500	ug/L	0.500	0.250		1			03/20/19 16:06	BC	N
1,2-Dichlorobenzene-d4 (S)	104	%				1			03/20/19 16:06	BC	
4-Bromofluorobenzene (S)	103	%				1			03/20/19 16:06	BC	



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PARAMETER QUALIFIERS

Workorder: Q1911123

Parameter Qualifiers

J	Analyte Detected Below Quantitation Limit
N	N Not Accredited
SH	Spike Recovery High
SL	Spike Recovery Low

QUALITY CONTROL

QC Batch: 86629
QC Batch Method: E524.2 Volatiles by GC/MS
Analytical Method: E524.2 Volatiles by GC/MS

LABORATORY CONTROL SAMPLE: 1213728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Qual
1,2-Dichlorobenzene-d4	%	25			104	
4-Bromofluorobenzene	%	25			106	
Ethyl Benzene	ug/L	5	5.21	104	70-130	
Styrene	ug/L	5	5.35	107	70-130	
cis-1,3-Dichloropropene	ug/L	5	4.81	96.2	70-130	
trans-1,3-Dichloropropene	ug/L	5	4.61	92.2	70-130	
n-Propylbenzene	ug/L	5	5.29	106	70-130	
n-Butylbenzene	ug/L	5	5.19	104	70-130	
4-Chlorotoluene	ug/L	5	5.3	106	70-130	
1,4-Dichlorobenzene	ug/L	5	5.25	105	70-130	
1,2-Dichloroethane	ug/L	5	5.37	107	70-130	
Acrylonitrile	ug/L	5	5.01	100	70-130	
Vinyl acetate	ug/L	5	4.86	97.2	70-130	
4-Methyl-2-pentanone	ug/L	5	4.86	97.2	70-130	
1,3,5-Trimethylbenzene	ug/L	5	5.28	106	70-130	
Bromobenzene	ug/L	5	5.3	106	70-130	
Toluene	ug/L	5	5.24	105	70-130	
Chlorobenzene	ug/L	5	5.2	104	70-130	
Tetrahydrofuran	ug/L	5	5.36	107	70-130	
1,2,4-Trichlorobenzene	ug/L	5	4.97	99.4	70-130	
Dibromochloromethane	ug/L	5	4.98	99.6	70-130	
Tetrachloroethene	ug/L	5	5.18	104	70-130	
sec-Butylbenzene	ug/L	5	5.3	106	70-130	
m,p-Xylene	ug/L	10	10.8	108	70-130	
1,3-Dichloropropane	ug/L	5	5.42	108	70-130	
cis-1,2-Dichloroethene	ug/L	5	5.13	103	70-130	

Qualifiers

SL - Spike Recovery Low

SH - Spike Recovery High

R - RPD Outside Recovery Limit

QUALITY CONTROL

LABORATORY CONTROL SAMPLE: 1213728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Qual
trans-1,2-Dichloroethene	ug/L	5	5.16	103	70-130	
tert-Butyl methyl ether (MTBE)	ug/L	5	4.73	94.6	70-130	
1,3-Dichlorobenzene	ug/L	5	5.21	104	70-130	
Carbon tetrachloride	ug/L	5	5.22	104	70-130	
1,1-Dichloropropene	ug/L	5	5.17	103	70-130	
2-Hexanone	ug/L	5	5.14	103	70-130	
2,2-Dichloropropane	ug/L	5	4.96	99.2	70-130	
1,1,1,2-Tetrachloroethane	ug/L	5	5.11	102	70-130	
Acetone	ug/L	5	4.94	98.8	70-130	
Chloroform	ug/L	5	5.18	104	70-130	
Benzene	ug/L	5	5.33	107	70-130	
1,1,1-Trichloroethane	ug/L	5	5.11	102	70-130	
Bromomethane	ug/L	5	5.46	109	70-130	
Chloromethane	ug/L	5	5.16	103	70-130	
Methyl iodide	ug/L	5	5.05	101	70-130	
Dibromomethane	ug/L	5	5.14	103	70-130	
Bromochloromethane	ug/L	5	5.12	102	70-130	
Chloroethane	ug/L	5	5.29	106	70-130	
Vinyl chloride	ug/L	5	5.23	105	70-130	
Methylene chloride	ug/L	5	5.17	103	70-130	
Carbon disulfide	ug/L	5	4.66	93.2	70-130	
Bromoform	ug/L	5	4.74	94.8	70-130	
Bromodichloromethane	ug/L	5	5.03	101	70-130	
1,1-Dichloroethane	ug/L	5	5.22	104	70-130	
1,1-Dichloroethene	ug/L	5	5.16	103	70-130	
Trichlorofluoromethane	ug/L	5	5.24	105	70-130	
Dichlorodifluoromethane	ug/L	5	5.54	111	70-130	
1,2-Dichloropropane	ug/L	5	5.3	106	70-130	
2-Butanone	ug/L	5	4.89	97.8	70-130	
1,1,2-Trichloroethane	ug/L	5	5.33	107	70-130	
Trichloroethene	ug/L	5	5.18	104	70-130	

Qualifiers

SL - Spike Recovery Low

SH - Spike Recovery High

R - RPD Outside Recovery Limit

QUALITY CONTROL

LABORATORY CONTROL SAMPLE: 1213728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Qual
1,1,2,2-Tetrachloroethane	ug/L	5	5.22	104	70-130	
Methyl methacrylate	ug/L	5	5	100	70-130	
1,2,3-Trichlorobenzene	ug/L	5	5.24	105	70-130	
Hexachlorobutadiene	ug/L	5	5.13	103	70-130	
Naphthalene	ug/L	5	5.05	101	70-130	
o-Xylene	ug/L	5	5.2	104	70-130	
2-Chlorotoluene	ug/L	5	5.27	105	70-130	
1,2-Dichlorobenzene	ug/L	5	5.19	104	70-130	
1,2,4-Trimethylbenzene	ug/L	5	5.31	106	70-130	
1,2,3-Trichloropropane	ug/L	5	5.31	106	70-130	
Ethyl methacrylate	ug/L	5	4.94	98.8	70-130	
tert-Butylbenzene	ug/L	5	5.18	104	70-130	
Isopropylbenzene (Cumene)	ug/L	5	5.2	104	70-130	
4-Isopropyltoluene	ug/L	5	5.24	105	70-130	

MRL: 1213729

Parameter	Units	Spike Conc.	MRL Result	MRL % Rec	% Rec Limit	Qual
Ethyl Benzene	ug/L	.5	.49	98	50-150	
Styrene	ug/L	.5	.47	94	50-150	
cis-1,3-Dichloropropene	ug/L	.5	.41	82	50-150	
trans-1,3-Dichloropropene	ug/L	.5	.38	76	50-150	
n-Propylbenzene	ug/L	.5	.55	110	50-150	
n-Butylbenzene	ug/L	.5	.63	126	50-150	
4-Chlorotoluene	ug/L	.5	.57	114	50-150	
1,4-Dichlorobenzene	ug/L	.5	.59	118	50-150	
1,2-Dichloroethane	ug/L	.5	.54	108	50-150	
Acrylonitrile	ug/L	.5	.53	106	50-150	

Qualifiers

SL - Spike Recovery Low

SH - Spike Recovery High

R - RPD Outside Recovery Limit

QUALITY CONTROL

MRL: 1213729

Parameter	Units	Spike Conc.	MRL Result	MRL % Rec	% Rec Limit	Qual
Vinyl acetate	ug/L	.5	.51	102	50-150	
4-Methyl-2-pentanone	ug/L	.5	.5	100	50-150	
1,3,5-Trimethylbenzene	ug/L	.5	.51	102	50-150	
Bromobenzene	ug/L	.5	.55	110	50-150	
Toluene	ug/L	.5	.5	100	50-150	
Chlorobenzene	ug/L	.5	.54	108	50-150	
Tetrahydrofuran	ug/L	.5	.37	74	50-150	
1,2,4-Trichlorobenzene	ug/L	.5	.6	120	50-150	
Dibromochloromethane	ug/L	.5	.44	88	50-150	
Tetrachloroethene	ug/L	.5	.54	108	50-150	
sec-Butylbenzene	ug/L	.5	.54	108	50-150	
m,p-Xylene	ug/L	1	.94	94	50-150	
1,3-Dichloropropane	ug/L	.5	.55	110	50-150	
cis-1,2-Dichloroethene	ug/L	.5	.58	116	50-150	
trans-1,2-Dichloroethene	ug/L	.5	.56	112	50-150	
tert-Butyl methyl ether (MTBE)	ug/L	.5	.54	108	50-150	
1,3-Dichlorobenzene	ug/L	.5	.58	116	50-150	
Carbon tetrachloride	ug/L	.5	.51	102	50-150	
1,1-Dichloropropene	ug/L	.5	.57	114	50-150	
2-Hexanone	ug/L	.5	.51	102	50-150	
2,2-Dichloropropane	ug/L	.5	.53	106	50-150	
1,1,1,2-Tetrachloroethane	ug/L	.5	.48	96	50-150	
Chloroform	ug/L	.5	.55	110	50-150	
Benzene	ug/L	.5	.58	116	50-150	
1,1,1-Trichloroethane	ug/L	.5	.5	100	50-150	
Bromomethane	ug/L	.5	.6	120	50-150	
Chloromethane	ug/L	.5	.61	122	50-150	
Methyl iodide	ug/L	.5	.55	110	50-150	
Dibromomethane	ug/L	.5	.55	110	50-150	
Bromochloromethane	ug/L	.5	.55	110	50-150	
Chloroethane	ug/L	.5	.58	116	50-150	

Qualifiers

SL - Spike Recovery Low

SH - Spike Recovery High

R - RPD Outside Recovery Limit

QUALITY CONTROL

MRL: 1213729

Parameter	Units	Spike Conc.	MRL Result	MRL % Rec	% Rec Limit	Qual
Vinyl chloride	ug/L	.5	.58	116	50-150	
Methylene chloride	ug/L	.5	.62	124	50-150	
Carbon disulfide	ug/L	.5	.48	96	50-150	
Bromoform	ug/L	.5	.41	82	50-150	
Bromodichloromethane	ug/L	.5	.5	100	50-150	
1,1-Dichloroethane	ug/L	.5	.55	110	50-150	
1,1-Dichloroethene	ug/L	.5	.56	112	50-150	
Trichlorofluoromethane	ug/L	.5	.57	114	50-150	
Dichlorodifluoromethane	ug/L	.5	.55	110	50-150	
1,2-Dichloropropane	ug/L	.5	.57	114	50-150	
2-Butanone	ug/L	.5	.35	70	50-150	
1,1,2-Trichloroethane	ug/L	.5	.54	108	50-150	
Trichloroethene	ug/L	.5	.56	112	50-150	
1,1,2,2-Tetrachloroethane	ug/L	.5	.57	114	50-150	
Methyl methacrylate	ug/L	.5	.47	94	50-150	
1,2,3-Trichlorobenzene	ug/L	.5	.64	128	50-150	
Hexachlorobutadiene	ug/L	.5	.71	142	50-150	
Naphthalene	ug/L	.5	.52	104	50-150	
o-Xylene	ug/L	.5	.45	90	50-150	
2-Chlorotoluene	ug/L	.5	.57	114	50-150	
1,2-Dichlorobenzene	ug/L	.5	.6	120	50-150	
1,2,4-Trimethylbenzene	ug/L	.5	.51	102	50-150	
1,2,3-Trichloropropane	ug/L	.5	.55	110	50-150	
Ethyl methacrylate	ug/L	.5	.45	90	50-150	
tert-Butylbenzene	ug/L	.5	.49	98	50-150	
Isopropylbenzene (Cumene)	ug/L	.5	.48	96	50-150	
4-Isopropyltoluene	ug/L	.5	.51	102	50-150	
Acetone	ug/L	5	4.94	98.8	50-150	

Qualifiers

SL - Spike Recovery Low

SH - Spike Recovery High

R - RPD Outside Recovery Limit

QUALITY CONTROL

METHOD BLANK: 1213730

Parameter	Units	Blank Result	Reporting Limit	Qual
Bromochloromethane	ug/L	<0.500	0.500	
1,1,1,2-Tetrachloroethane	ug/L	<0.500	0.500	
Acetone	ug/L	<5.00	5.00	
1,1-Dichloropropene	ug/L	<0.500	0.500	
1,2-Dichloropropane	ug/L	<0.500	0.500	
n-Propylbenzene	ug/L	<0.500	0.500	
Vinyl acetate	ug/L	<0.500	0.500	
1,2,3-Trichlorobenzene	ug/L	<0.500	0.500	
Naphthalene	ug/L	<0.500	0.500	
Hexachlorobutadiene	ug/L	<0.500	0.500	
1,2,4-Trichlorobenzene	ug/L	<0.500	0.500	
1,2-Dichlorobenzene	ug/L	<0.500	0.500	
n-Butylbenzene	ug/L	<0.500	0.500	
1,4-Dichlorobenzene	ug/L	<0.500	0.500	
4-Isopropyltoluene	ug/L	<0.500	0.500	
1,3-Dichlorobenzene	ug/L	<0.500	0.500	
sec-Butylbenzene	ug/L	<0.500	0.500	
1,2,4-Trimethylbenzene	ug/L	<0.500	0.500	
tert-Butylbenzene	ug/L	<0.500	0.500	
1,3,5-Trimethylbenzene	ug/L	<0.500	0.500	
2-Chlorotoluene	ug/L	<0.500	0.500	
1,2,3-Trichloropropane	ug/L	<0.500	0.500	
Bromobenzene	ug/L	<0.500	0.500	
1,1,1,2-Tetrachloroethane	ug/L	<0.500	0.500	
Isopropylbenzene (Cumene)	ug/L	<0.500	0.500	
Bromoform	ug/L	<1.00	1.00	
Styrene	ug/L	<0.500	0.500	
o-Xylene	ug/L	<0.500	0.500	
m,p-Xylene	ug/L	<0.500	0.500	
Ethyl Benzene	ug/L	<0.500	0.500	
Chlorobenzene	ug/L	<0.500	0.500	

Qualifiers

SL - Spike Recovery Low

SH - Spike Recovery High

R - RPD Outside Recovery Limit

QUALITY CONTROL

METHOD BLANK: 1213730

Parameter	Units	Blank Result	Reporting Limit	Qual
Dibromochloromethane	ug/L	<1.00	1.00	
2-Hexanone	ug/L	<0.500	0.500	
1,3-Dichloropropane	ug/L	<0.500	0.500	
Tetrachloroethene	ug/L	<0.500	0.500	
1,1,2-Trichloroethane	ug/L	<0.500	0.500	
Ethyl methacrylate	ug/L	<0.500	0.500	
trans-1,3-Dichloropropene	ug/L	<0.500	0.500	
Toluene	ug/L	<0.500	0.500	
4-Methyl-2-pentanone	ug/L	<0.500	0.500	
cis-1,3-Dichloropropene	ug/L	<0.500	0.500	
Bromodichloromethane	ug/L	<1.00	1.00	
Dibromomethane	ug/L	<0.500	0.500	
Methyl methacrylate	ug/L	<0.500	0.500	
Trichloroethene	ug/L	<0.500	0.500	
Benzene	ug/L	<0.500	0.500	
1,2-Dichloroethane	ug/L	<0.500	0.500	
Carbon tetrachloride	ug/L	<0.500	0.500	
1,1,1-Trichloroethane	ug/L	<0.500	0.500	
Chloroform	ug/L	<1.00	1.00	
Tetrahydrofuran	ug/L	<0.500	0.500	
cis-1,2-Dichloroethene	ug/L	<0.500	0.500	
2-Butanone	ug/L	<0.500	0.500	
2,2-Dichloropropane	ug/L	<0.500	0.500	
1,1-Dichloroethane	ug/L	<0.500	0.500	
tert-Butyl methyl ether (MTBE)	ug/L	<0.500	0.500	
Acrylonitrile	ug/L	<0.500	0.500	
trans-1,2-Dichloroethene	ug/L	<0.500	0.500	
Methylene chloride	ug/L	<0.500	0.500	
Carbon disulfide	ug/L	<0.500	0.500	
Methyl iodide	ug/L	<0.500	0.500	
1,1-Dichloroethene	ug/L	<0.500	0.500	

Qualifiers

SL - Spike Recovery Low

SH - Spike Recovery High

R - RPD Outside Recovery Limit

QUALITY CONTROL

METHOD BLANK: 1213730

Parameter	Units	Blank Result	Reporting Limit	Qual
Trichlorofluoromethane	ug/L	<0.500	0.500	
4-Chlorotoluene	ug/L	<0.500	0.500	
Chloroethane	ug/L	<0.500	0.500	
Bromomethane	ug/L	<0.500	0.500	
Vinyl chloride	ug/L	<0.500	0.500	
Chloromethane	ug/L	<0.500	0.500	
Dichlorodifluoromethane	ug/L	<0.500	0.500	
1,2-Dichlorobenzene-d4	%	103	70-130	
4-Bromofluorobenzene	%	101	70-130	

SAMPLE DUPLICATE: 1213731

Original Sample: Q1910964002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qual
Xylene (total)	ug/L	0	0	0		
1,2,3-Trichloropropane	ug/L	0	0	0	20	
Naphthalene	ug/L	0	0	0	20	
Hexachlorobutadiene	ug/L	0	0	0	20	
1,2,4-Trichlorobenzene	ug/L	0	0	0	20	
1,2-Dichlorobenzene	ug/L	0	0	0	20	
n-Butylbenzene	ug/L	0	0	0	20	
1,4-Dichlorobenzene	ug/L	0	0	0	20	
4-Isopropyltoluene	ug/L	0	0	0	20	
1,3-Dichlorobenzene	ug/L	0	0	0	20	
sec-Butylbenzene	ug/L	0	0	0	20	
1,2,4-Trimethylbenzene	ug/L	0	0	0	20	
tert-Butylbenzene	ug/L	0	0	0	20	
1,3,5-Trimethylbenzene	ug/L	0	0	0	20	
2-Chlorotoluene	ug/L	0	0	0	20	
n-Propylbenzene	ug/L	0	0	0	20	

Qualifiers

SL - Spike Recovery Low

SH - Spike Recovery High

R - RPD Outside Recovery Limit

QUALITY CONTROL

SAMPLE DUPLICATE: 1213731

Original Sample: Q1910964002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qual
1,2,3-Trichlorobenzene	ug/L	0	0	0	20	
Bromobenzene	ug/L	0	0	0	20	
1,1,2,2-Tetrachloroethane	ug/L	0	0	0	20	
Isopropylbenzene (Cumene)	ug/L	0	0	0	20	
Bromoform	ug/L	0	0	0	20	
Styrene	ug/L	0	0	0	20	
o-Xylene	ug/L	0	0	0	20	
m,p-Xylene	ug/L	0	0	0	20	
Ethyl Benzene	ug/L	0	0	0	20	
1,1,1,2-Tetrachloroethane	ug/L	0	0	0	20	
Chlorobenzene	ug/L	0	0	0	20	
Dibromochloromethane	ug/L	0	0	0	20	
2-Hexanone	ug/L	0	0	0	20	
1,3-Dichloropropane	ug/L	0	0	0	20	
Tetrachloroethene	ug/L	0	0	0	20	
1,1,2-Trichloroethane	ug/L	0	0	0	20	
Ethyl methacrylate	ug/L	0	0	0	20	
trans-1,3-Dichloropropene	ug/L	0	0	0	20	
Toluene	ug/L	0	0	0	20	
4-Methyl-2-pentanone	ug/L	0	0	0	20	
cis-1,3-Dichloropropene	ug/L	0	0	0	20	
Bromodichloromethane	ug/L	0	0	0	20	
Dibromomethane	ug/L	0	0	0	20	
Methyl methacrylate	ug/L	0	0	0	20	
1,2-Dichloropropane	ug/L	0	0	0	20	
Trichloroethene	ug/L	0	0	0	20	
Benzene	ug/L	0	0	0	20	
1,2-Dichloroethane	ug/L	0	0	0	20	
Carbon tetrachloride	ug/L	0	0	0	20	
1,1-Dichloropropene	ug/L	0	0	0	20	
1,1,1-Trichloroethane	ug/L	0	0	0	20	

Qualifiers

SL - Spike Recovery Low

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QUALITY CONTROL

SAMPLE DUPLICATE: 1213731

Original Sample: Q1910964002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qual
Chloroform	ug/L	0	0	0	20	
Tetrahydrofuran	ug/L	0	0	0	20	
Bromochloromethane	ug/L	0	0	0	20	
cis-1,2-Dichloroethene	ug/L	0	0	0	20	
2-Butanone	ug/L	0	0	0	20	
2,2-Dichloropropane	ug/L	0	0	0	20	
Vinyl acetate	ug/L	0	0	0	20	
1,1-Dichloroethane	ug/L	0	0	0	20	
tert-Butyl methyl ether (MTBE)	ug/L	0	0	0	20	
Acrylonitrile	ug/L	0	0	0	20	
trans-1,2-Dichloroethene	ug/L	0	0	0	20	
Methylene chloride	ug/L	0	0	0	20	
Carbon disulfide	ug/L	0	0	0	20	
Methyl iodide	ug/L	0	0	0	20	
Acetone	ug/L	.32	0	200	20	R
1,1-Dichloroethene	ug/L	0	0	0	20	
Trichlorofluoromethane	ug/L	0	0	0	20	
4-Chlorotoluene	ug/L	0	0	0	20	
Chloroethane	ug/L	0	0	0	20	
Bromomethane	ug/L	0	0	0	20	
Vinyl chloride	ug/L	0	0	0	20	
Chloromethane	ug/L	0	0	0	20	
Dichlorodifluoromethane	ug/L	0	0	0	20	

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