ATTACHMENT 2: DATA VALIDATION REPORTS

This attachment contains the data validation reports performed by an independent subcontractor, Laboratory Data Consultants, Inc. (LDC) of Carlsbad, California.

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Tidewater
3761 Attucks Drive
Powell, OH 43065
ATTN: Mr. David Conner
David.Conner@tideh2o.net

March 9, 2023

SUBJECT: NASA JPL, 4Q2022 - Data Validation

Dear Mr. Conner,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on December 6, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #55576:

SDG #	**Fraction**
2225521	Volatiles, Chromium, Wet Chemistry

The data validation was performed under Level III guidelines. The analysis was validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (January 2017)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

253 pages-ADV

Attachment 1

90/10 III/IV (lab select) EDD

LDC# 55576 (Tidewater - Powell, OH / NASA JPL, 4Q2022)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (524.2)		Cr (200.8)		Cr(VI) (218.6)		CLO_4 (314.0)																									
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	2225521	12/06/22	12/28/22	13	0	12	0	12	0	12	0																								
Total	TR/PG			13	0	12	0	12	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49

Shaded cells indicate Level IV validation (all other cells are Level III validation). These sample counts do not include MS/MSD, and DUPs

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Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: December 28, 2022

Parameters: Volatiles

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225521

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
TB-1-102422	2225521-01	Water	10/24/22
MW-20-5	2225521-02	Water	10/24/22
MW-20-4	2225521-03	Water	10/24/22
MW-20-3	2225521-04	Water	10/24/22
MW-20-2	2225521-05	Water	10/24/22
DUP-1-4Q22	2225521-06	Water	10/24/22
MW-19-5	2225521-07	Water	10/24/22
MW-19-4	2225521-08	Water	10/24/22
MW-19-3	2225521-09	Water	10/24/22
MW-19-2	2225521-10	Water	10/24/22
MW-19-1	2225521-11	Water	10/24/22
EB-1-102422	2225521-12	Water	10/24/22
SB-1-102422	2225521-13	Water	10/24/22
MW-19-3MS	2225521-09MS	Water	10/24/22
MW-19-3MSD	2225521-09MSD	Water	10/24/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method 524.2

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
10/28/22 (08:30)	Methyl iodide	31.1	MW-19-3	UJ (all non-detects)	P

Date	Analyte	%D	Associated Samples	Flag	A or P
10/28/22 (20:05)	Methyl iodide Pentachloroethane	34.5 90.0	TB-1-102422 MW-20-5 MW-20-4 MW-20-3 MW-20-2 DUP-1-4Q22 MW-19-5 MW-19-4 MW-19-3 MW-19-2 MW-19-1 EB-1-102422 SB-1-102422	UJ (all non-detects) UJ (all non-detects)	P

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TB-1-102422 was identified as a trip blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
TB-1-102422	10/24/22	Chloromethane	1.1 ug/L	MW-20-5 MW-20-4 MW-20-3 MW-20-2 DUP-1-4Q22 MW-19-5 MW-19-4 MW-19-3 MW-19-2 MW-19-1 EB-1-102422 SB-1-102422

Sample EB-1-102422 was identified as an equipment blank. No contaminants were found.

Sample SB-1-102422 was identified as a source blank. No contaminants were found.

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

Samples MW-20-2 and DUP-1-4Q22 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (ug/L)		RPD
	MW-20-2	DUP-1-4Q22	
Chloroform	0.61	0.61	0
Tetrachloroethene	0.44	0.40	10
Trichloroethene	0.38	0.32	17

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Targe Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to continuing calibration %D, data were qualified as estimated in thirteen samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Volatiles - Data Qualification Summary - SDG 2225521

Sample	Analyte	Flag	A or P	Reason
MW-19-3	Methyl iodide	UJ (all non-detects)	P	Continuing calibration (%D)
TB-1-102422 MW-20-5 MW-20-4 MW-20-3 MW-20-2 DUP-1-4Q22 MW-19-5 MW-19-4 MW-19-3 MW-19-2 MW-19-1 EB-1-102422 SB-1-102422	Methyl iodide Pentachloroethane	UJ (all non-detects) UJ (all non-detects)	P	Continuing calibration (%D)

NASA JPL, 4Q2022
Volatiles - Laboratory Blank Data Qualification Summary - SDG 2225521

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Volatiles - Field Blank Data Qualification Summary - SDG 2225521

No Sample Data Qualified in this SDG

LDC #: 55576A1a **VALIDATION COMPLETENESS WORKSHEET** Date: 12/26/22
SDG #: 2225521 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer:
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A /A	% RSD ≤ 30, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 30
V.	Laboratory Blanks	NN	
VI.	Field blanks	SW	TB = 1 * EB=12 * SB=13
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	SW	D = 5, 6
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	
XIII.	Target analyte identification	N	
XIV	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
* ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank
SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
+1 1	TB-1-102422	2225521-01	Water	10/24/22
+2 1	MW-20-5	2225521-02	Water	10/24/22
+3 1	MW-20-4	2225521-03	Water	10/24/22
4	MW-20-3	2225521-04	Water	10/24/22
5	MW-20-2	2225521-05	Water	10/24/22
6	DUP-1-4Q22	2225521-06	Water	10/24/22
7	MW-19-5	2225521-07	Water	10/24/22
8	MW-19-4	2225521-08	Water	10/24/22
9	MW-19-3	2225521-09	Water	10/24/22
10	MW-19-2	2225521-10	Water	10/24/22
11	MW-19-1	2225521-11\	Water	10/24/22
12	EB-1-102422	2225521-12	Water	10/24/22
13	SB-1-102422	2225521-13	Water	10/24/22
14	MW-19-3MS	2225521-09MS	Water	10/24/22
15	MW-19-3MSD	2225521-09MSD	Water	10/24/22

B152497 1 CCB2

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 55576A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method ~~8260~~) 524.2

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y (N) N/A Were all %D and RRFs within the validation criteria of ≤~~20~~ 30 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤~~20.0%~~ 30)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	10/28/22	2220095-ccv2	Methyl Iodide	31.1		9, 14, 15,	J/UJ/P ND
	0830					B15247-MB	
	10/28/22	2220095-ccv5	Methyl Iodide	34.5		1→13, CCB2	J/UJ/P ND
	2005		2222	90.0		↓	

LDC #: 55576A1a

VALIDATION FINDINGS WORKSHEET
Field Blanks

METHOD: GC/MS VOA (EPA SW 846 Method ~~8260~~) 524.2

Y N N/A Were field blanks identified in this SDG?

Y N N/A Were target compounds detected in the field blanks?

Blank units: ug/L **Associated sample units:** ug/L

Sampling date: 10/20/22 10/21/22

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: TB Associated Samples: 2-7 13

Compound	Blank ID	Sample Identification								
	1									
A	1.1									

Blank units: _____ **Associated sample units:** _____

Sampling date: _____

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 55576A1a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: FT

METHOD: GC/MS VOA (EPA Method ~~8260~~) 524.2

(Y) N N/A Were field duplicate pairs identified in this SDG?
(Y) N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (ug/L)		RPD (≤ %)	QUAL
	5	6		
K	0.61	0.61	0	
AA	0.44	0.40	10	
S	0.38	0.32	17	

Compound	Concentration ( )		RPD (≤ %)	QUAL

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 7, 2023

Parameters: Chromium

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225521

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-20-5	2225521-02	Water	10/24/22
MW-20-4	2225521-03	Water	10/24/22
MW-20-3	2225521-04	Water	10/24/22
MW-20-2	2225521-05	Water	10/24/22
DUP-1-4Q22	2225521-06	Water	10/24/22
MW-19-5	2225521-07	Water	10/24/22
MW-19-4	2225521-08	Water	10/24/22
MW-19-3	2225521-09	Water	10/24/22
MW-19-2	2225521-10	Water	10/24/22
MW-19-1	2225521-11	Water	10/24/22
EB-1-102422	2225521-12	Water	10/24/22
SB-1-102422	2225521-13	Water	10/24/22
MW-19-3MS	2225521-09MS	Water	10/24/22
MW-19-3MSD	2225521-09MSD	Water	10/24/22
MW-19-3DUP	2225521-09DUP	Water	10/24/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Chromium by Environmental Protection Agency (EPA) Method 200.8

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. ICPMS Tune

The mass calibration was within 0.1 AMU and the percent relative standard deviation (%RSD) was less than or equal to 5%.

III. Instrument Calibration

Initial and continuing calibrations were performed as required by the method.

The initial calibration verification (ICV) and continuing calibration verification (CCV) standards were within QC limits.

IV. ICP Interference Check Sample Analysis

Interference check sample (ICS) analysis was not required by the method.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample EB-1-102422 was identified as an equipment blank. No contaminants were found.

Sample SB-1-102422 was identified as a source blank. No contaminants were found.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

IX. Serial Dilution

Serial dilution analysis was performed on an associated project sample. Percent differences (%D) were within QC limits.

X. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

XI. Field Duplicates

Samples MW-20-2 and DUP-1-4Q22 were identified as field duplicates. No results were detected in any of the samples.

XII. Internal Standards (ICP-MS)

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable.

NASA JPL, 4Q2022
Chromium - Data Qualification Summary - SDG 2225521

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Laboratory Blank Data Qualification Summary - SDG 2225521

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Field Blank Data Qualification Summary - SDG 2225521

No Sample Data Qualified in this SDG

LDC #: 55576A4a **VALIDATION COMPLETENESS WORKSHEET** Date: 3/2/23
SDG #: 2225521 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer: CJ

METHOD: Chromium (EPA Method 200.8)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	ICP/MS Tune	A	
III.	Instrument Calibration	A	
IV.	ICP Interference Check Sample (ICS) Analysis	N	Not Required
V.	~~Laboratory~~ Field & Blanks	ND	EB=11, SB=12
VI.	~~Field~~ Laboratory Blanks	A	
VII.	Matrix Spike/Matrix Spike Duplicates	A	MS/MSD
VIII.	Duplicate sample analysis	A	
IX.	Serial Dilution	A	
X.	Laboratory control samples	A	LCS
XI.	Field Duplicates	ND	(4,5)
XII.	Internal Standard (ICP-MS)	N	
XIII.	Target Analyte Quantitation	N	
XIV.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-20-5	2225521-02	Water	10/24/22
2	MW-20-4	2225521-03	Water	10/24/22
3	MW-20-3	2225521-04	Water	10/24/22
4	MW-20-2	2225521-05	Water	10/24/22
5	DUP-1-4Q22	2225521-06	Water	10/24/22
6	MW-19-5	2225521-07	Water	10/24/22
7	MW-19-4	2225521-08	Water	10/24/22
8	MW-19-3	2225521-09	Water	10/24/22
9	MW-19-2	2225521-10	Water	10/24/22
10	MW-19-1	2225521-11	Water	10/24/22
11	EB-1-102422	2225521-12	Water	10/24/22
12	SB-1-102422	2225521-13	Water	10/24/22
13	MW-19-3MS	2225521-09MS	Water	10/24/22
14	MW-19-3MSD	2225521-09MSD	Water	10/24/22
15	MW-19-3DUP	2225521-09DUP	Water	10/24/22

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 7, 2023

Parameters: Wet Chemistry

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225521

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-20-5	2225521-02	Water	10/24/22
MW-20-4	2225521-03	Water	10/24/22
MW-20-3	2225521-04	Water	10/24/22
MW-20-2	2225521-05	Water	10/24/22
DUP-1-4Q22	2225521-06	Water	10/24/22
MW-19-5	2225521-07	Water	10/24/22
MW-19-4	2225521-08	Water	10/24/22
MW-19-3	2225521-09	Water	10/24/22
MW-19-2	2225521-10	Water	10/24/22
MW-19-1	2225521-11	Water	10/24/22
EB-1-102422	2225521-12	Water	10/24/22
SB-1-102422	2225521-13	Water	10/24/22
MW-20-5MS	2225521-02MS	Water	10/24/22
MW-20-5MSD	2225521-02MSD	Water	10/24/22
MW-20-5DUP	2225521-02DUP	Water	10/24/22
MW-19-3MS	2225521-09MS	Water	10/24/22
MW-19-3MSD	2225521-09MSD	Water	10/24/22
MW-19-3DUP	2225521-09DUP	Water	10/24/22
EB-1-102422MS	2225521-12MS	Water	10/24/22
EB-1-102422MSD	2225521-12MSD	Water	10/24/22
EB-1-102422DUP	2225521-12DUP	Water	10/24/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Hexavalent Chromium by Environmental Protection Agency (EPA) Method 218.6
Perchlorate by EPA Method 314.0

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
MW-20-3	Hexavalent chromium	50 hours	24 hours	J (all detects)	P
MW-19-3	Hexavalent chromium	48 hours	24 hours	J (all detects)	P

II. Initial Calibration

All criteria for the initial calibration of each method were met.

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Analyte	Maximum Concentration	Associated Samples
PB (prep blank)	Hexavalent chromium	0.000127 mg/L	MW-19-3 MW-19-2 MW-19-1 EB-1-102422 SB-1-102422
ICB/CCB	Hexavalent chromium	0.000067 mg/L	MW-20-5 MW-20-4
ICB/CCB	Hexavalent chromium	0.000151 mg/L	MW-20-3 MW-20-2 DUP-1-4Q22 MW-19-5 MW-19-4 MW-19-3 MW-19-2 MW-19-1 EB-1-102422 SB-1-102422

Data qualification by the laboratory blanks was based on the maximum contaminant concentration in the laboratory blanks in the analysis of each analyte. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-19-2	Hexavalent chromium	0.00023 mg/L	0.00023U mg/L
MW-19-1	Hexavalent chromium	0.0002 mg/L	0.0002U mg/L
EB-1-102422	Hexavalent chromium	0.000076 mg/L	0.000076U mg/L
SB-1-102422	Hexavalent chromium	0.000052 mg/L	0.000052U mg/L
MW-20-5	Hexavalent chromium	0.00015 mg/L	0.00015U mg/L
MW-20-4	Hexavalent chromium	0.00011 mg/L	0.00011U mg/L
MW-20-3	Hexavalent chromium	0.000034 mg/L	0.000034U mg/L
MW-20-2	Hexavalent chromium	0.00014 mg/L	0.00014U mg/L
DUP-1-4Q22	Hexavalent chromium	0.00012 mg/L	0.00012U mg/L

V. Field Blanks

Sample EB-1-102422 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
EB-1-102422	10/24/22	Hexavalent chromium	0.000076 mg/L	MW-20-5 MW-20-4 MW-20-3 MW-20-2 DUP-1-4Q22 MW-19-5 MW-19-4 MW-19-3 MW-19-2 MW-19-1

Sample SB-1-102422 was identified as a source blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
SB-1-102422	10/24/22	Hexavalent chromium	0.000052 mg/L	MW-20-5 MW-20-4 MW-20-3 MW-20-2 DUP-1-4Q22 MW-19-5 MW-19-4 MW-19-3 MW-19-2 MW-19-1

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-20-5	Hexavalent chromium	0.00015 mg/L	0.00015U mg/L
MW-20-4	Hexavalent chromium	0.00011 mg/L	0.00011U mg/L
MW-20-3	Hexavalent chromium	0.000034 mg/L	0.000034U mg/L
MW-20-2	Hexavalent chromium	0.00014 mg/L	0.00014U mg/L
DUP-1-4Q22	Hexavalent chromium	0.00012 mg/L	0.00012U mg/L
MW-19-2	Hexavalent chromium	0.00023 mg/L	0.00023U mg/L
MW-19-1	Hexavalent chromium	0.00020 mg/L	0.00020U mg/L

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

Samples MW-20-2 and DUP-1-4Q22 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration		RPD
	MW-20-2	DUP-1-4Q22	
Hexavalent chromium	0.00014 mg/L	0.00012 mg/L	15
Perchlorate	1.2 ug/L	0.81U ug/L	39

X Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

Due to technical holding time, data were qualified as estimated in two samples.

Due to laboratory blank contamination, data were qualified as not detected in nine samples.

Due to equipment blank contamination, data were qualified as not detected in seven samples.

Due to source blank contamination, data were qualified as not detected in seven samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Wet Chemistry - Data Qualification Summary - SDG 2225521

Sample	Analyte	Flag	A or P	Reason
MW-20-3 MW-19-3	Hexavalent chromium	J (all detects)	P	Technical holding times

NASA JPL, 4Q2022
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 2225521

Sample	Analyte	Modified Final Concentration	A or P
MW-19-2	Hexavalent chromium	0.00023U mg/L	A
MW-19-1	Hexavalent chromium	0.0002U mg/L	A
EB-1-102422	Hexavalent chromium	0.000076U mg/L	A
SB-1-102422	Hexavalent chromium	0.000052U mg/L	A
MW-20-5	Hexavalent chromium	0.00015U mg/L	A
MW-20-4	Hexavalent chromium	0.00011U mg/L	A
MW-20-3	Hexavalent chromium	0.000034U mg/L	A
MW-20-2	Hexavalent chromium	0.00014U mg/L	A
DUP-1-4Q22	Hexavalent chromium	0.00012U mg/L	A

NASA JPL, 4Q2022
Wet Chemistry - Field Blank Data Qualification Summary - SDG 2225521

Sample	Analyte	Modified Final Concentration	A or P
MW-20-5	Hexavalent chromium	0.00015U mg/L	A
MW-20-4	Hexavalent chromium	0.00011U mg/L	A
MW-20-3	Hexavalent chromium	0.000034U mg/L	A
MW-20-2	Hexavalent chromium	0.00014U mg/L	A

Sample	Analyte	Modified Final Concentration	A or P
DUP-1-4Q22	Hexavalent chromium	0.00012U mg/L	A
MW-19-2	Hexavalent chromium	0.00023U mg/L	A
MW-19-1	Hexavalent chromium	0.00020U mg/L	A

LDC #: 55576A6 **VALIDATION COMPLETENESS WORKSHEET** Date: 3/2/23
SDG #: 2225521 Level III Page: 1 of 2
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer:

METHOD: (Analyte) Hexavalent Chromium (EPA Method 218.6), Perchlorate (EPA Method 314.0)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, SW	
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	SW	
V	Field blanks	SW	EB=11, SB=12
VI.	Matrix Spike/Matrix Spike Duplicates	A	MS/MSD
VII.	Duplicate sample analysis	A	
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	SW	(4,5)
X.	Target Analyte Quantitation	N	
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-20-5	2225521-02	Water	10/24/22
2	MW-20-4	2225521-03	Water	10/24/22
3	MW-20-3	2225521-04	Water	10/24/22
4	MW-20-2	2225521-05	Water	10/24/22
5	DUP-1-4Q22	2225521-06	Water	10/24/22
6	MW-19-5	2225521-07	Water	10/24/22
7	MW-19-4	2225521-08	Water	10/24/22
8	MW-19-3	2225521-09	Water	10/24/22
9	MW-19-2	2225521-10	Water	10/24/22
10	MW-19-1	2225521-11	Water	10/24/22
11	EB-1-102422	2225521-12	Water	10/24/22
12	SB-1-102422	2225521-13	Water	10/24/22
13	MW-20-5MS	2225521-02MS	Water	10/24/22
14	MW-20-5MSD	2225521-02MSD	Water	10/24/22
15	MW-20-5DUP	2225521-02DUP	Water	10/24/22
16	MW-19-3MS	2225521-09MS	Water	10/24/22
17	MW-19-3MSD	2225521-09MSD	Water	10/24/22

LDC #: 55576A6 **VALIDATION COMPLETENESS WORKSHEET** Date: 3/2/23
SDG #: 2225521 Level III Page: 2 of 2
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer:

METHOD: (Analyte) Hexavalent Chromium (EPA Method 218.6), Perchlorate (EPA Method 314.0)

	Client ID	Lab ID	Matrix	Date
18	MW-19-3DUP	2225521-09DUP	Water	10/24/22
19	EB-1-102422MS	2225521-12MS	Water	10/24/22
20	EB-1-102422MSD	2225521-12MSD	Water	10/24/22
21	EB-1-102422DUP	2225521-12DUP	Water	10/24/22
22				
23				
24				

Notes:

Sample Specific Element Reference

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1-12	Cr(VI),CLO4
QC:	
13-18	Cr(VI)
16-21	CLO4

Holding Time

METHOD: Inorganics

All samples were properly preserved and within the requried holding time with the following exceptions:

		Method: 218.6 Analyte: Hexavalent Chromium Holding Time: 24 Hours			
Sample ID	**Sampling Date**	**Analysis Date**	**Total Time from Collection to Analysis**	**Qualifier**	**Det/ND**
3	10/24/2022 9:35	10/26/2022 12:13	50	J/R/P	Det
8	10/24/2022 12:45	10/26/2022 13:20	48	J/R/P	Det

Preservation

Sample ID	**Preservation**	**Preservation Requirement (pH)**	**Qualifier**	**Det/ND**

VALIDATION FINDINGS WORKSHEET
Laboratory Blank Contamination (PB/ICB/CCB)

Reviewer: Jada Morales

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: Associated Samples: 8-12

				Sample Identification						
Analyte	**PB (mg/L)**	**Maximum ICB/CCB (units)**	**Action Level**	9	10	11	12			
Cr(VI)	0.000127		0.00064	0.00023 U	0.0002 U	0.000076 U	0.00052 U			

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: mg/L Associated Samples: 1-2

				Sample Identification						
Analyte	**PB (units)**	**Maximum ICB/CCB (mg/L)**	**Action Level**	1	2					
Cr(VI)		0.000067	0.00034	0.00015 U	0.00011 U					

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: mg/L Associated Samples: 3-12

				Sample Identification						
Analyte	**PB (units)**	**Maximum ICB/CCB (mg/L)**	**Action Level**	3	4	5	9	10	11	12
Cr(VI)		0.000151	0.00076	0.000034 U	0.00014 U	0.00012 U	0.00023 U	0.0002 U	0.000076 U	~~0.00052 U~~
										0.000052U

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is establised at 5X the highest ICB, CCB, or PB concentration.

Field Blanks

METHOD: Inorganics

Blank units: mg/L Associated sample units: mg/L
Sampling Date: 10/24/2022 Associated Samples: 1-10

			Sample Identification						
Analyte	Blank ID	Action Level	1	2	3	4	5	9	10
	11								
Cr(VI)	0.000076	0.00038	0.00015 U	0.00011 U	0.000034 U	0.00014 U	0.00012 U	0.00023 U	0.00020 U

METHOD: Inorganics

Blank units: mg/L Associated sample units: mg/L
Sampling Date: 10/24/2022 Associated Samples: 1-10

			Sample Identification						
Analyte	Blank ID	Action Level	1	2	3	4	5	9	10
	12								
Cr(VI)	0.000052	0.00026	0.00015 U	0.00011 U	0.000034 U	0.00014 U	0.00012 U	0.00023 U	0.00020 U

Comments: The action level, when applicable, is establised at 5X the highest concentration.

Field Duplicates

METHOD: Inorganics

Analyte	Concentration (mg/L)		RPD	Qualifiers (Parents Only)
	4	5		
Hexavalent Chromium	0.00014	0.00012	15	
Perchlorate (ug/L)	1.2	0.81 U	39	NC

NASA JPL, 4Q2022 - LDC 55576

SDG: 2225521

Analytical Method EPA-200.8

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-1-4Q22	2225521-06	Total Recoverable Chromium	11/4/2022	3	Y	n	u		3.0	0.50	ug/L
EB-1-102422	2225521-12	Total Recoverable Chromium	11/4/2022	3	Y	n	u		3.0	0.50	ug/L
MW19-1	2225521-11	Total Recoverable Chromium	11/4/2022	3	Y	n	u		3.0	0.50	ug/L
MW19-2	2225521-10	Total Recoverable Chromium	11/4/2022	3.4	Y	y	v		3.0	0.50	ug/L
MW19-3	2225521-09	Total Recoverable Chromium	11/4/2022	2.2	Y	y	v j		3.0	0.50	ug/L
MW-19-4	2225521-08	Total Recoverable Chromium	11/4/2022	1.6	Y	y	v j		3.0	0.50	ug/L
MW-19-5	2225521-07	Total Recoverable Chromium	11/4/2022	1.3	Y	y	v j		3.0	0.50	ug/L
MW-20-2	2225521-05	Total Recoverable Chromium	11/4/2022	3	Y	n	u		3.0	0.50	ug/L
MW-20-3	2225521-04	Total Recoverable Chromium	11/4/2022	3	Y	n	u		3.0	0.50	ug/L
MW-20-4	2225521-03	Total Recoverable Chromium	11/4/2022	3	Y	n	u		3.0	0.50	ug/L
MW-20-5	2225521-02	Total Recoverable Chromium	11/4/2022	3	Y	n	u		3.0	0.50	ug/L
SB-1-102422	2225521-13	Total Recoverable Chromium	11/4/2022	3	Y	n	u		3.0	0.50	ug/L

Analytical Method EPA-218.6

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-1-4Q22	2225521-06	Hexavalent Chromium	10/26/2022	######	Y	y	v j	U	0.0002	0.0000	mg/L
EB-1-102422	2225521-12	Hexavalent Chromium	10/26/2022	######	Y	y	v j	U	0.0002	0.0000	mg/L
MW19-1	2225521-11	Hexavalent Chromium	10/26/2022	0.0002	Y	y	v	U	0.0002	0.0000	mg/L
MW19-2	2225521-10	Hexavalent Chromium	10/26/2022	######	Y	y	v	U	0.0002	0.0000	mg/L
MW19-3	2225521-09	Hexavalent Chromium	10/26/2022	0.0014	Y	y	v	J	0.0002	0.0000	mg/L
MW-19-4	2225521-08	Hexavalent Chromium	10/26/2022	0.0022	Y	y	v		0.0002	0.0000	mg/L
MW-19-5	2225521-07	Hexavalent Chromium	10/26/2022	0.0014	Y	y	v		0.0002	0.0000	mg/L
MW-20-2	2225521-05	Hexavalent Chromium	10/26/2022	######	Y	y	v j	U	0.0002	0.0000	mg/L
MW-20-3	2225521-04	Hexavalent Chromium	10/26/2022	######	Y	y	v j	UJ	0.0002	0.0000	mg/L

SDG: 2225521

Analytical Method EPA-218.6

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-20-4	2225521-03	Hexavalent Chromium	10/26/2022	######	Y	y	v j	U	0.0002	0.0000	mg/L
MW-20-5	2225521-02	Hexavalent Chromium	10/26/2022	######	Y	y	v j	U	0.0002	0.0000	mg/L
SB-1-102422	2225521-13	Hexavalent Chromium	10/26/2022	######	Y	y	v j	U	0.0002	0.0000	mg/L

Analytical Method EPA-314.0

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-1-4Q22	2225521-06	Perchlorate	11/8/2022	2	Y	n	u		2.0	0.81	ug/L
EB-1-102422	2225521-12	Perchlorate	11/11/2022	2	Y	n	u		2.0	0.81	ug/L
MW19-1	2225521-11	Perchlorate	11/8/2022	2	Y	n	u		2.0	0.81	ug/L
MW19-2	2225521-10	Perchlorate	11/8/2022	2.2	Y	y	v		2.0	0.81	ug/L
MW19-3	2225521-09	Perchlorate	11/8/2022	3.7	Y	y	v		2.0	0.81	ug/L
MW-19-4	2225521-08	Perchlorate	11/8/2022	3.2	Y	y	v		2.0	0.81	ug/L
MW-19-5	2225521-07	Perchlorate	11/8/2022	2.9	Y	y	v		2.0	0.81	ug/L
MW-20-2	2225521-05	Perchlorate	11/8/2022	1.2	Y	y	v j		2.0	0.81	ug/L
MW-20-3	2225521-04	Perchlorate	11/8/2022	2	Y	n	u		2.0	0.81	ug/L
MW-20-4	2225521-03	Perchlorate	11/8/2022	2	Y	n	u		2.0	0.81	ug/L
MW-20-5	2225521-02	Perchlorate	11/8/2022	2	Y	n	u		2.0	0.81	ug/L
SB-1-102422	2225521-13	Perchlorate	11/11/2022	2	Y	n	u		2.0	0.81	ug/L

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-1-4Q22	2225521-06	p- & m-Xylenes	10/29/2022	0.5	Y	n	u		0.50	0.34	ug/L
DUP-1-4Q22	2225521-06	o-Xylene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-1-4Q22	2225521-06	1,2-Dichloroethane-d4 (Surrogate)	10/29/2022	9.9	Y	y	v s				ug/L
DUP-1-4Q22	2225521-06	Toluene-d8 (Surrogate)	10/29/2022	9.8	Y	y	v s				ug/L
DUP-1-4Q22	2225521-06	4-Bromofluorobenzene (Surrogate)	10/29/2022	9.8	Y	y	v s				ug/L

SDG: 2225521

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-1-4Q22	2225521-06	1-Chlorobutane	10/29/2022	0	Y	y	v				ug/L
DUP-1-4Q22	2225521-06	Chloroacetonitrile	10/29/2022	0	Y	y	v				ug/L
DUP-1-4Q22	2225521-06	2-Nitropropane	10/29/2022	0	Y	y	v				ug/L
DUP-1-4Q22	2225521-06	Nitrobenzene	10/29/2022	0	Y	y	v				ug/L
DUP-1-4Q22	2225521-06	1,1-Dichloropropanone	10/29/2022	0	Y	y	v				ug/L
DUP-1-4Q22	2225521-06	Pentachloroethane	10/29/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
DUP-1-4Q22	2225521-06	Methyl acrylate	10/29/2022	0	Y	y	v				ug/L
DUP-1-4Q22	2225521-06	t-Butyl alcohol	10/29/2022	2	Y	n	u		2.0	2.0	ug/L
DUP-1-4Q22	2225521-06	1,2,4-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-1-4Q22	2225521-06	1,1,1-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-1-4Q22	2225521-06	1,1,2-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-1-4Q22	2225521-06	Trichloroethene	10/29/2022	0.32	Y	y	v j		0.50	0.19	ug/L
DUP-1-4Q22	2225521-06	Trichlorofluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-1-4Q22	2225521-06	1,2,3-Trichloropropane	10/29/2022	1	Y	n	u		1.0	0.78	ug/L
DUP-1-4Q22	2225521-06	1,1,2-Trichloro-1,2,2-trifluoroethane	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-1-4Q22	2225521-06	1,2,4-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-1-4Q22	2225521-06	1,3,5-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-1-4Q22	2225521-06	Vinyl chloride	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
DUP-1-4Q22	2225521-06	Acetone	10/29/2022	10	Y	n	u		10	6.6	ug/L
DUP-1-4Q22	2225521-06	Acrylonitrile	10/29/2022	5	Y	n	u		5.0	1.5	ug/L
DUP-1-4Q22	2225521-06	Tetrahydrofuran	10/29/2022	20	Y	n	u		20	5.2	ug/L
DUP-1-4Q22	2225521-06	t-Amyl Methyl ether	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-1-4Q22	2225521-06	Propionitrile	10/29/2022	20	Y	n	u		20	6.2	ug/L
DUP-1-4Q22	2225521-06	Carbon disulfide	10/29/2022	0.5	Y	n	u		0.50	0.48	ug/L
DUP-1-4Q22	2225521-06	trans-1,4-Dichloro-2-butene	10/29/2022	5	Y	n	u		5.0	1.8	ug/L

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DUP-1-4Q22	2225521-06	Diethyl ether	10/29/2022	2	Y	n	u		2.0	0.33	ug/L
DUP-1-4Q22	2225521-06	Ethyl methacrylate	10/29/2022	4	Y	n	u		4.0	1.3	ug/L
DUP-1-4Q22	2225521-06	Ethyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.32	ug/L
DUP-1-4Q22	2225521-06	Hexachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
DUP-1-4Q22	2225521-06	2-Hexanone	10/29/2022	10	Y	n	u		10	5.0	ug/L
DUP-1-4Q22	2225521-06	Methacrylonitrile	10/29/2022	10	Y	n	u		10	2.3	ug/L
DUP-1-4Q22	2225521-06	Methyl ethyl ketone	10/29/2022	5	Y	n	u		5.0	3.3	ug/L
DUP-1-4Q22	2225521-06	Methyl iodide	10/29/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
DUP-1-4Q22	2225521-06	Methyl isobutyl ketone	10/29/2022	5	Y	n	u		5.0	2.4	ug/L
DUP-1-4Q22	2225521-06	Methyl methacrylate	10/29/2022	5	Y	n	u		5.0	1.2	ug/L
DUP-1-4Q22	2225521-06	Naphthalene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
DUP-1-4Q22	2225521-06	Allyl chloride	10/29/2022	5	Y	n	u		5.0	0.47	ug/L
DUP-1-4Q22	2225521-06	Chloromethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
DUP-1-4Q22	2225521-06	1,1-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-1-4Q22	2225521-06	Dichlorodifluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-1-4Q22	2225521-06	1,4-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-1-4Q22	2225521-06	1,3-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
DUP-1-4Q22	2225521-06	1,2-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-1-4Q22	2225521-06	Dibromomethane	10/29/2022	0.5	Y	n	u		0.50	0.23	ug/L
DUP-1-4Q22	2225521-06	1,2-Dibromoethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
DUP-1-4Q22	2225521-06	1,2-Dibromo-3-chloropropane	10/29/2022	1	Y	n	u		1.0	0.89	ug/L
DUP-1-4Q22	2225521-06	Dibromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
DUP-1-4Q22	2225521-06	n-Propylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L
DUP-1-4Q22	2225521-06	2-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-1-4Q22	2225521-06	Bromobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L

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DUP-1-4Q22	2225521-06	Chloroform	10/29/2022	0.61	Y	y	v		0.50	0.14	ug/L
DUP-1-4Q22	2225521-06	Chloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-1-4Q22	2225521-06	Chlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-1-4Q22	2225521-06	Carbon tetrachloride	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-1-4Q22	2225521-06	tert-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
DUP-1-4Q22	2225521-06	sec-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-1-4Q22	2225521-06	n-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-1-4Q22	2225521-06	Bromomethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
DUP-1-4Q22	2225521-06	Bromoform	10/29/2022	0.5	Y	n	u		0.50	0.46	ug/L
DUP-1-4Q22	2225521-06	Bromodichloromethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
DUP-1-4Q22	2225521-06	4-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.093	ug/L
DUP-1-4Q22	2225521-06	Hexachlorobutadiene	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
DUP-1-4Q22	2225521-06	Tetrachloroethene	10/29/2022	0.4	Y	y	v j		0.50	0.23	ug/L
DUP-1-4Q22	2225521-06	1,1,2,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-1-4Q22	2225521-06	1,1,1,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-1-4Q22	2225521-06	Styrene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L
DUP-1-4Q22	2225521-06	Methyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-1-4Q22	2225521-06	Bromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
DUP-1-4Q22	2225521-06	p-Isopropyltoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-1-4Q22	2225521-06	Methylene chloride	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-1-4Q22	2225521-06	1,2,3-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-1-4Q22	2225521-06	1,2-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-1-4Q22	2225521-06	Isopropylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-1-4Q22	2225521-06	1,1-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
DUP-1-4Q22	2225521-06	Ethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L

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DUP-1-4Q22	2225521-06	trans-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-1-4Q22	2225521-06	cis-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-1-4Q22	2225521-06	1,1-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-1-4Q22	2225521-06	2,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
DUP-1-4Q22	2225521-06	1,3-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-1-4Q22	2225521-06	1,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-1-4Q22	2225521-06	trans-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-1-4Q22	2225521-06	cis-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
DUP-1-4Q22	2225521-06	Toluene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-1-4Q22	2225521-06	Benzene	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
EB-1-102422	2225521-12	Bromoform	10/29/2022	0.5	Y	n	u		0.50	0.46	ug/L
EB-1-102422	2225521-12	Chloroform	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-1-102422	2225521-12	Chloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-1-102422	2225521-12	Chlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-1-102422	2225521-12	Carbon tetrachloride	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-1-102422	2225521-12	tert-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
EB-1-102422	2225521-12	sec-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-1-102422	2225521-12	Bromomethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
EB-1-102422	2225521-12	1,2-Dibromoethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
EB-1-102422	2225521-12	Bromodichloromethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
EB-1-102422	2225521-12	Bromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
EB-1-102422	2225521-12	Bromobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-1-102422	2225521-12	Benzene	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
EB-1-102422	2225521-12	n-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-1-102422	2225521-12	Acrylonitrile	10/29/2022	5	Y	n	u		5.0	1.5	ug/L

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EB-1-102422	2225521-12	Hexachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
EB-1-102422	2225521-12	Ethyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.32	ug/L
EB-1-102422	2225521-12	Ethyl methacrylate	10/29/2022	4	Y	n	u		4.0	1.3	ug/L
EB-1-102422	2225521-12	Diethyl ether	10/29/2022	2	Y	n	u		2.0	0.33	ug/L
EB-1-102422	2225521-12	trans-1,4-Dichloro-2-butene	10/29/2022	5	Y	n	u		5.0	1.8	ug/L
EB-1-102422	2225521-12	Carbon disulfide	10/29/2022	0.5	Y	n	u		0.50	0.48	ug/L
EB-1-102422	2225521-12	t-Butyl alcohol	10/29/2022	2	Y	n	u		2.0	2.0	ug/L
EB-1-102422	2225521-12	Trichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-1-102422	2225521-12	Allyl chloride	10/29/2022	5	Y	n	u		5.0	0.47	ug/L
EB-1-102422	2225521-12	Methyl ethyl ketone	10/29/2022	5	Y	n	u		5.0	3.3	ug/L
EB-1-102422	2225521-12	Acetone	10/29/2022	10	Y	n	u		10	6.6	ug/L
EB-1-102422	2225521-12	Vinyl chloride	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
EB-1-102422	2225521-12	1,3,5-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-1-102422	2225521-12	1,2,4-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-1-102422	2225521-12	1,1,2-Trichloro-1,2,2-trifluoroethane	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-1-102422	2225521-12	1,2,3-Trichloropropane	10/29/2022	1	Y	n	u		1.0	0.78	ug/L
EB-1-102422	2225521-12	Trichlorofluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-1-102422	2225521-12	t-Amyl Methyl ether	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-1-102422	2225521-12	o-Xylene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-1-102422	2225521-12	Methyl acrylate	10/29/2022	0	Y	y	v				ug/L
EB-1-102422	2225521-12	Chloroacetonitrile	10/29/2022	0	Y	y	v				ug/L
EB-1-102422	2225521-12	2-Nitropropane	10/29/2022	0	Y	y	v				ug/L
EB-1-102422	2225521-12	Nitrobenzene	10/29/2022	0	Y	y	v				ug/L
EB-1-102422	2225521-12	1-Chlorobutane	10/29/2022	0	Y	y	v				ug/L
EB-1-102422	2225521-12	1,1-Dichloropropanone	10/29/2022	0	Y	y	v				ug/L

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EB-1-102422	2225521-12	4-Bromofluorobenzene (Surrogate)	10/29/2022	9.6	Y	y	v s				ug/L
EB-1-102422	2225521-12	2-Hexanone	10/29/2022	10	Y	n	u		10	5.0	ug/L
EB-1-102422	2225521-12	1,2-Dichloroethane-d4 (Surrogate)	10/29/2022	10	Y	y	v s				ug/L
EB-1-102422	2225521-12	Chloromethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
EB-1-102422	2225521-12	p- & m-Xylenes	10/29/2022	0.5	Y	n	u		0.50	0.34	ug/L
EB-1-102422	2225521-12	Tetrahydrofuran	10/29/2022	20	Y	n	u		20	5.2	ug/L
EB-1-102422	2225521-12	Propionitrile	10/29/2022	20	Y	n	u		20	6.2	ug/L
EB-1-102422	2225521-12	Pentachloroethane	10/29/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
EB-1-102422	2225521-12	Methyl methacrylate	10/29/2022	5	Y	n	u		5.0	1.2	ug/L
EB-1-102422	2225521-12	Methyl isobutyl ketone	10/29/2022	5	Y	n	u		5.0	2.4	ug/L
EB-1-102422	2225521-12	Dibromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
EB-1-102422	2225521-12	Methacrylonitrile	10/29/2022	10	Y	n	u		10	2.3	ug/L
EB-1-102422	2225521-12	Toluene-d8 (Surrogate)	10/29/2022	10	Y	y	v s				ug/L
EB-1-102422	2225521-12	1,4-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-1-102422	2225521-12	2,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
EB-1-102422	2225521-12	1,3-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-1-102422	2225521-12	1,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-1-102422	2225521-12	trans-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-1-102422	2225521-12	cis-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
EB-1-102422	2225521-12	1,1-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
EB-1-102422	2225521-12	1,1-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-1-102422	2225521-12	1,1-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-1-102422	2225521-12	Dichlorodifluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-1-102422	2225521-12	1,2-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-1-102422	2225521-12	Dibromomethane	10/29/2022	0.5	Y	n	u		0.50	0.23	ug/L

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EB-1-102422	2225521-12	1,2-Dibromo-3-chloropropane	10/29/2022	1	Y	n	u		1.0	0.89	ug/L
EB-1-102422	2225521-12	4-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.093	ug/L
EB-1-102422	2225521-12	2-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-1-102422	2225521-12	1,1,2-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-1-102422	2225521-12	Methyl iodide	10/29/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
EB-1-102422	2225521-12	1,2-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-1-102422	2225521-12	1,2,3-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-1-102422	2225521-12	1,1,1-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-1-102422	2225521-12	1,3-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
EB-1-102422	2225521-12	1,2,4-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-1-102422	2225521-12	cis-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-1-102422	2225521-12	Toluene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-1-102422	2225521-12	Tetrachloroethene	10/29/2022	0.5	Y	n	u		0.50	0.23	ug/L
EB-1-102422	2225521-12	1,1,2,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-1-102422	2225521-12	1,1,1,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-1-102422	2225521-12	Styrene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L
EB-1-102422	2225521-12	p-Isopropyltoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-1-102422	2225521-12	trans-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-1-102422	2225521-12	Ethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-1-102422	2225521-12	Isopropylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-1-102422	2225521-12	Methylene chloride	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-1-102422	2225521-12	Methyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-1-102422	2225521-12	Naphthalene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
EB-1-102422	2225521-12	n-Propylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L
EB-1-102422	2225521-12	Hexachlorobutadiene	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW19-1	2225521-11	1,1-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-1	2225521-11	1,2-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-1	2225521-11	Isopropylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-1	2225521-11	2,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW19-1	2225521-11	Dichlorodifluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-1	2225521-11	1,1-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW19-1	2225521-11	cis-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW19-1	2225521-11	trans-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-1	2225521-11	1,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-1	2225521-11	1,3-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW19-1	2225521-11	1,1-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW19-1	2225521-11	cis-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-1	2225521-11	trans-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW19-1	2225521-11	Methylene chloride	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-1	2225521-11	Hexachlorobutadiene	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW19-1	2225521-11	Benzene	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW19-1	2225521-11	p-Isopropyltoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-1	2225521-11	Methyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-1	2225521-11	Naphthalene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW19-1	2225521-11	1,4-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-1	2225521-11	Ethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-1	2225521-11	Chlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-1	2225521-11	4-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW19-1	2225521-11	n-Propylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW19-1	2225521-11	Bromobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L

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MW19-1	2225521-11	Bromodichloromethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW19-1	2225521-11	Bromoform	10/29/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW19-1	2225521-11	Bromomethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW19-1	2225521-11	n-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-1	2225521-11	sec-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW19-1	2225521-11	Bromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW19-1	2225521-11	Carbon tetrachloride	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-1	2225521-11	1,3-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW19-1	2225521-11	Chloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-1	2225521-11	Chloroform	10/29/2022	1.4	Y	y	v		0.50	0.14	ug/L
MW19-1	2225521-11	2-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-1	2225521-11	Dibromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW19-1	2225521-11	1,2-Dibromo-3-chloropropane	10/29/2022	1	Y	n	u		1.0	0.89	ug/L
MW19-1	2225521-11	1,2-Dibromoethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW19-1	2225521-11	Dibromomethane	10/29/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW19-1	2225521-11	1,2-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-1	2225521-11	tert-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW19-1	2225521-11	Propionitrile	10/29/2022	20	Y	n	u		20	6.2	ug/L
MW19-1	2225521-11	Ethyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW19-1	2225521-11	Hexachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW19-1	2225521-11	2-Hexanone	10/29/2022	10	Y	n	u		10	5.0	ug/L
MW19-1	2225521-11	Chloromethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW19-1	2225521-11	Methacrylonitrile	10/29/2022	10	Y	n	u		10	2.3	ug/L
MW19-1	2225521-11	Styrene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW19-1	2225521-11	Methyl ethyl ketone	10/29/2022	5	Y	n	u		5.0	3.3	ug/L

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MW19-1	2225521-11	Methyl iodide	10/29/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW19-1	2225521-11	Methyl isobutyl ketone	10/29/2022	5	Y	n	u		5.0	2.4	ug/L
MW19-1	2225521-11	Ethyl methacrylate	10/29/2022	4	Y	n	u		4.0	1.3	ug/L
MW19-1	2225521-11	Pentachloroethane	10/29/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW19-1	2225521-11	Chloroacetonitrile	10/29/2022	0	Y	y	v				ug/L
MW19-1	2225521-11	Tetrahydrofuran	10/29/2022	20	Y	n	u		20	5.2	ug/L
MW19-1	2225521-11	p- & m-Xylenes	10/29/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW19-1	2225521-11	o-Xylene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW19-1	2225521-11	1,2-Dichloroethane-d4 (Surrogate)	10/29/2022	10	Y	y	v s				ug/L
MW19-1	2225521-11	Toluene-d8 (Surrogate)	10/29/2022	9.8	Y	y	v s				ug/L
MW19-1	2225521-11	4-Bromofluorobenzene (Surrogate)	10/29/2022	9.8	Y	y	v s				ug/L
MW19-1	2225521-11	1-Chlorobutane	10/29/2022	0	Y	y	v				ug/L
MW19-1	2225521-11	1,1-Dichloropropanone	10/29/2022	0	Y	y	v				ug/L
MW19-1	2225521-11	2-Nitropropane	10/29/2022	0	Y	y	v				ug/L
MW19-1	2225521-11	Methyl acrylate	10/29/2022	0	Y	y	v				ug/L
MW19-1	2225521-11	Methyl methacrylate	10/29/2022	5	Y	n	u		5.0	1.2	ug/L
MW19-1	2225521-11	1,1,2,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-1	2225521-11	Nitrobenzene	10/29/2022	0	Y	y	v				ug/L
MW19-1	2225521-11	Diethyl ether	10/29/2022	2	Y	n	u		2.0	0.33	ug/L
MW19-1	2225521-11	1,1,1,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-1	2225521-11	Tetrachloroethene	10/29/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW19-1	2225521-11	Toluene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-1	2225521-11	1,2,3-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW19-1	2225521-11	1,2,4-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-1	2225521-11	1,1,1-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW19-1	2225521-11	1,1,2-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-1	2225521-11	Trichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW19-1	2225521-11	Trichlorofluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-1	2225521-11	t-Butyl alcohol	10/29/2022	2	Y	n	u		2.0	2.0	ug/L
MW19-1	2225521-11	1,1,2-Trichloro-1,2,2-trifluoroethane	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW19-1	2225521-11	1,2,4-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-1	2225521-11	1,3,5-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-1	2225521-11	Vinyl chloride	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW19-1	2225521-11	Acetone	10/29/2022	10	Y	n	u		10	6.6	ug/L
MW19-1	2225521-11	Acrylonitrile	10/29/2022	5	Y	n	u		5.0	1.5	ug/L
MW19-1	2225521-11	Allyl chloride	10/29/2022	5	Y	n	u		5.0	0.47	ug/L
MW19-1	2225521-11	t-Amyl Methyl ether	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW19-1	2225521-11	trans-1,4-Dichloro-2-butene	10/29/2022	5	Y	n	u		5.0	1.8	ug/L
MW19-1	2225521-11	Carbon disulfide	10/29/2022	0.5	Y	n	u		0.50	0.48	ug/L
MW19-1	2225521-11	1,2,3-Trichloropropane	10/29/2022	1	Y	n	u		1.0	0.78	ug/L
MW19-2	2225521-10	1,3-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW19-2	2225521-10	1,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-2	2225521-10	trans-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-2	2225521-10	cis-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW19-2	2225521-10	1,1-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW19-2	2225521-10	1,2-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-2	2225521-10	Dichlorodifluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-2	2225521-10	Hexachlorobutadiene	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW19-2	2225521-10	1,4-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-2	2225521-10	1,1-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L

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MW19-2	2225521-10	2,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW19-2	2225521-10	1,1-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW19-2	2225521-10	cis-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-2	2225521-10	Naphthalene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW19-2	2225521-10	Ethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-2	2225521-10	Isopropylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-2	2225521-10	p-Isopropyltoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-2	2225521-10	Methylene chloride	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-2	2225521-10	1,3-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW19-2	2225521-10	tert-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW19-2	2225521-10	Styrene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW19-2	2225521-10	trans-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW19-2	2225521-10	Carbon tetrachloride	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-2	2225521-10	n-Propylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW19-2	2225521-10	1,1,1,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-2	2225521-10	Benzene	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW19-2	2225521-10	Bromobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-2	2225521-10	Bromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW19-2	2225521-10	Bromodichloromethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW19-2	2225521-10	Bromoform	10/29/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW19-2	2225521-10	Bromomethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW19-2	2225521-10	Chlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-2	2225521-10	sec-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW19-2	2225521-10	1,2-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-2	2225521-10	Chloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L

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MW19-2	2225521-10	Chloroform	10/29/2022	1.1	Y	y	v		0.50	0.14	ug/L
MW19-2	2225521-10	Chloromethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW19-2	2225521-10	2-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-2	2225521-10	4-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW19-2	2225521-10	Dibromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW19-2	2225521-10	1,2-Dibromo-3-chloropropane	10/29/2022	1	Y	n	u		1.0	0.89	ug/L
MW19-2	2225521-10	1,2-Dibromoethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW19-2	2225521-10	Dibromomethane	10/29/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW19-2	2225521-10	n-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-2	2225521-10	1,2-Dichloroethane-d4 (Surrogate)	10/29/2022	10	Y	y	v s				ug/L
MW19-2	2225521-10	Ethyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW19-2	2225521-10	Hexachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW19-2	2225521-10	2-Hexanone	10/29/2022	10	Y	n	u		10	5.0	ug/L
MW19-2	2225521-10	Methacrylonitrile	10/29/2022	10	Y	n	u		10	2.3	ug/L
MW19-2	2225521-10	Methyl ethyl ketone	10/29/2022	5	Y	n	u		5.0	3.3	ug/L
MW19-2	2225521-10	Methyl iodide	10/29/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW19-2	2225521-10	Methyl isobutyl ketone	10/29/2022	5	Y	n	u		5.0	2.4	ug/L
MW19-2	2225521-10	Methyl methacrylate	10/29/2022	5	Y	n	u		5.0	1.2	ug/L
MW19-2	2225521-10	Pentachloroethane	10/29/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW19-2	2225521-10	Ethyl methacrylate	10/29/2022	4	Y	n	u		4.0	1.3	ug/L
MW19-2	2225521-10	p- & m-Xylenes	10/29/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW19-2	2225521-10	Tetrahydrofuran	10/29/2022	20	Y	n	u		20	5.2	ug/L
MW19-2	2225521-10	Toluene-d8 (Surrogate)	10/29/2022	9.9	Y	y	v s				ug/L
MW19-2	2225521-10	4-Bromofluorobenzene (Surrogate)	10/29/2022	10	Y	y	v s				ug/L
MW19-2	2225521-10	1,1-Dichloropropanone	10/29/2022	0	Y	y	v				ug/L

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MW19-2	2225521-10	Methyl acrylate	10/29/2022	0	Y	y	v				ug/L
MW19-2	2225521-10	1-Chlorobutane	10/29/2022	0	Y	y	v				ug/L
MW19-2	2225521-10	Nitrobenzene	10/29/2022	0	Y	y	v				ug/L
MW19-2	2225521-10	Chloroacetonitrile	10/29/2022	0	Y	y	v				ug/L
MW19-2	2225521-10	2-Nitropropane	10/29/2022	0	Y	y	v				ug/L
MW19-2	2225521-10	1,1,2,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-2	2225521-10	Methyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-2	2225521-10	Propionitrile	10/29/2022	20	Y	n	u		20	6.2	ug/L
MW19-2	2225521-10	Trichloroethene	10/29/2022	0.49	Y	y	v j		0.50	0.19	ug/L
MW19-2	2225521-10	Tetrachloroethene	10/29/2022	0.82	Y	y	v		0.50	0.23	ug/L
MW19-2	2225521-10	o-Xylene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW19-2	2225521-10	Diethyl ether	10/29/2022	2	Y	n	u		2.0	0.33	ug/L
MW19-2	2225521-10	Toluene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-2	2225521-10	1,2,3-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW19-2	2225521-10	1,2,4-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-2	2225521-10	1,1,2-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-2	2225521-10	Trichlorofluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-2	2225521-10	1,2,3-Trichloropropane	10/29/2022	1	Y	n	u		1.0	0.78	ug/L
MW19-2	2225521-10	1,1,2-Trichloro-1,2,2-trifluoroethane	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW19-2	2225521-10	t-Amyl Methyl ether	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW19-2	2225521-10	trans-1,4-Dichloro-2-butene	10/29/2022	5	Y	n	u		5.0	1.8	ug/L
MW19-2	2225521-10	Carbon disulfide	10/29/2022	0.5	Y	n	u		0.50	0.48	ug/L
MW19-2	2225521-10	1,1,1-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-2	2225521-10	t-Butyl alcohol	10/29/2022	2	Y	n	u		2.0	2.0	ug/L
MW19-2	2225521-10	Allyl chloride	10/29/2022	5	Y	n	u		5.0	0.47	ug/L

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MW19-2	2225521-10	Acrylonitrile	10/29/2022	5	Y	n	u		5.0	1.5	ug/L
MW19-2	2225521-10	1,2,4-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-2	2225521-10	Acetone	10/29/2022	10	Y	n	u		10	6.6	ug/L
MW19-2	2225521-10	Vinyl chloride	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW19-2	2225521-10	1,3,5-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-3	2225521-09	Methylene chloride	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-3	2225521-09	Methyl t-butyl ether	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-3	2225521-09	Naphthalene	10/28/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW19-3	2225521-09	n-Propylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW19-3	2225521-09	Styrene	10/28/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW19-3	2225521-09	1,1,1,2-Tetrachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-3	2225521-09	Tetrachloroethene	10/28/2022	1.1	Y	y	v		0.50	0.23	ug/L
MW19-3	2225521-09	1,2,3-Trichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW19-3	2225521-09	p-Isopropyltoluene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-3	2225521-09	1,2,4-Trichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-3	2225521-09	Toluene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-3	2225521-09	Benzene	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW19-3	2225521-09	1,1,2,2-Tetrachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-3	2225521-09	Isopropylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-3	2225521-09	Hexachlorobutadiene	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW19-3	2225521-09	Ethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-3	2225521-09	trans-1,3-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW19-3	2225521-09	Bromomethane	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW19-3	2225521-09	Bromoform	10/28/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW19-3	2225521-09	Bromodichloromethane	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L

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MW19-3	2225521-09	Bromochloromethane	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW19-3	2225521-09	1,1-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW19-3	2225521-09	cis-1,3-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-3	2225521-09	1,1,1-Trichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-3	2225521-09	Chlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-3	2225521-09	Bromobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-3	2225521-09	1,3-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW19-3	2225521-09	Methyl ethyl ketone	10/28/2022	5	Y	n	u		5.0	3.3	ug/L
MW19-3	2225521-09	2,2-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW19-3	2225521-09	Carbon tetrachloride	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-3	2225521-09	Chloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-3	2225521-09	Chloromethane	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW19-3	2225521-09	2-Chlorotoluene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-3	2225521-09	4-Chlorotoluene	10/28/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW19-3	2225521-09	Dibromochloromethane	10/28/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW19-3	2225521-09	1,2-Dibromo-3-chloropropane	10/28/2022	1	Y	n	u		1.0	0.89	ug/L
MW19-3	2225521-09	1,2-Dibromoethane	10/28/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW19-3	2225521-09	Chloroform	10/28/2022	1.5	Y	y	v		0.50	0.14	ug/L
MW19-3	2225521-09	1,2-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-3	2225521-09	1,1,2-Trichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW19-3	2225521-09	1,4-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-3	2225521-09	Dichlorodifluoromethane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-3	2225521-09	1,1-Dichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-3	2225521-09	1,2-Dichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-3	2225521-09	1,1-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L

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MW19-3	2225521-09	tert-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW19-3	2225521-09	cis-1,2-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW19-3	2225521-09	sec-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW19-3	2225521-09	trans-1,2-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-3	2225521-09	1,2-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-3	2225521-09	Trichloroethene	10/28/2022	0.42	Y	y	v j		0.50	0.19	ug/L
MW19-3	2225521-09	Dibromomethane	10/28/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW19-3	2225521-09	1,3,5-Trimethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-3	2225521-09	Methacrylonitrile	10/28/2022	10	Y	n	u		10	2.3	ug/L
MW19-3	2225521-09	Hexachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW19-3	2225521-09	Ethyl t-butyl ether	10/28/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW19-3	2225521-09	Allyl chloride	10/28/2022	5	Y	n	u		5.0	0.47	ug/L
MW19-3	2225521-09	Acrylonitrile	10/28/2022	5	Y	n	u		5.0	1.5	ug/L
MW19-3	2225521-09	Acetone	10/28/2022	10	Y	n	u		10	6.6	ug/L
MW19-3	2225521-09	t-Butyl alcohol	10/28/2022	2	Y	n	u		2.0	2.0	ug/L
MW19-3	2225521-09	Diethyl ether	10/28/2022	2	Y	n	u		2.0	0.33	ug/L
MW19-3	2225521-09	Vinyl chloride	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW19-3	2225521-09	Methyl methacrylate	10/28/2022	5	Y	n	u		5.0	1.2	ug/L
MW19-3	2225521-09	1,2,4-Trimethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW19-3	2225521-09	1,1,2-Trichloro-1,2,2-trifluoroethane	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW19-3	2225521-09	1,2,3-Trichloropropane	10/28/2022	1	Y	n	u		1.0	0.78	ug/L
MW19-3	2225521-09	Trichlorofluoromethane	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW19-3	2225521-09	Carbon disulfide	10/28/2022	0.5	Y	n	u		0.50	0.48	ug/L
MW19-3	2225521-09	trans-1,4-Dichloro-2-butene	10/28/2022	5	Y	n	u		5.0	1.8	ug/L
MW19-3	2225521-09	Ethyl methacrylate	10/28/2022	4	Y	n	u		4.0	1.3	ug/L

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MW19-3	2225521-09	2-Hexanone	10/28/2022	10	Y	n	u		10	5.0	ug/L
MW19-3	2225521-09	4-Bromofluorobenzene (Surrogate)	10/28/2022	9.4	Y	y	v s				ug/L
MW19-3	2225521-09	t-Amyl Methyl ether	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW19-3	2225521-09	n-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW19-3	2225521-09	1,3-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW19-3	2225521-09	Methyl acrylate	10/28/2022	0	Y	y	v				ug/L
MW19-3	2225521-09	1,1-Dichloropropanone	10/28/2022	0	Y	y	v				ug/L
MW19-3	2225521-09	1-Chlorobutane	10/28/2022	0	Y	y	v				ug/L
MW19-3	2225521-09	2-Nitropropane	10/28/2022	0	Y	y	v				ug/L
MW19-3	2225521-09	Methyl iodide	10/28/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW19-3	2225521-09	Chloroacetonitrile	10/28/2022	0	Y	y	v				ug/L
MW19-3	2225521-09	Methyl isobutyl ketone	10/28/2022	5	Y	n	u		5.0	2.4	ug/L
MW19-3	2225521-09	Toluene-d8 (Surrogate)	10/28/2022	9.8	Y	y	v s				ug/L
MW19-3	2225521-09	1,2-Dichloroethane-d4 (Surrogate)	10/28/2022	9.5	Y	y	v s				ug/L
MW19-3	2225521-09	o-Xylene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW19-3	2225521-09	p- & m-Xylenes	10/28/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW19-3	2225521-09	Tetrahydrofuran	10/28/2022	20	Y	n	u		20	5.2	ug/L
MW19-3	2225521-09	Propionitrile	10/28/2022	20	Y	n	u		20	6.2	ug/L
MW19-3	2225521-09	Pentachloroethane	10/28/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW19-3	2225521-09	Nitrobenzene	10/28/2022	0	Y	y	v				ug/L
MW-19-4	2225521-08	cis-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-19-4	2225521-08	1,2-Dibromo-3-chloropropane	10/29/2022	1	Y	n	u		1.0	0.89	ug/L
MW-19-4	2225521-08	1,2-Dibromoethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-19-4	2225521-08	Dibromomethane	10/29/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-19-4	2225521-08	1,2-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L

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MW-19-4	2225521-08	1,3-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-19-4	2225521-08	1,4-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-4	2225521-08	Dichlorodifluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-4	2225521-08	1,1-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-4	2225521-08	1,1-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-19-4	2225521-08	Chlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-4	2225521-08	trans-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-4	2225521-08	1,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-4	2225521-08	1,2-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-4	2225521-08	tert-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-19-4	2225521-08	Methacrylonitrile	10/29/2022	10	Y	n	u		10	2.3	ug/L
MW-19-4	2225521-08	Benzene	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-19-4	2225521-08	Bromobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-4	2225521-08	Bromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-19-4	2225521-08	Bromodichloromethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-19-4	2225521-08	Bromoform	10/29/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-19-4	2225521-08	Bromomethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-19-4	2225521-08	Chloroform	10/29/2022	2.7	Y	y	v		0.50	0.14	ug/L
MW-19-4	2225521-08	sec-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-19-4	2225521-08	Dibromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-19-4	2225521-08	Carbon tetrachloride	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-4	2225521-08	Methyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-4	2225521-08	Chloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-4	2225521-08	1,3-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-19-4	2225521-08	Chloromethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-19-4	2225521-08	2-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-4	2225521-08	4-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-19-4	2225521-08	n-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-4	2225521-08	Methyl methacrylate	10/29/2022	5	Y	n	u		5.0	1.2	ug/L
MW-19-4	2225521-08	p-Isopropyltoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-4	2225521-08	2-Nitropropane	10/29/2022	0	Y	y	v				ug/L
MW-19-4	2225521-08	Chloroacetonitrile	10/29/2022	0	Y	y	v				ug/L
MW-19-4	2225521-08	Methyl acrylate	10/29/2022	0	Y	y	v				ug/L
MW-19-4	2225521-08	Nitrobenzene	10/29/2022	0	Y	y	v				ug/L
MW-19-4	2225521-08	4-Bromofluorobenzene (Surrogate)	10/29/2022	9.7	Y	y	v s				ug/L
MW-19-4	2225521-08	Toluene-d8 (Surrogate)	10/29/2022	9.8	Y	y	v s				ug/L
MW-19-4	2225521-08	1,2-Dichloroethane-d4 (Surrogate)	10/29/2022	10	Y	y	v s				ug/L
MW-19-4	2225521-08	o-Xylene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-19-4	2225521-08	p- & m-Xylenes	10/29/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-19-4	2225521-08	Tetrahydrofuran	10/29/2022	20	Y	n	u		20	5.2	ug/L
MW-19-4	2225521-08	1-Chlorobutane	10/29/2022	0	Y	y	v				ug/L
MW-19-4	2225521-08	Pentachloroethane	10/29/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-19-4	2225521-08	Acetone	10/29/2022	10	Y	n	u		10	6.6	ug/L
MW-19-4	2225521-08	Methyl isobutyl ketone	10/29/2022	5	Y	n	u		5.0	2.4	ug/L
MW-19-4	2225521-08	Methyl iodide	10/29/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-19-4	2225521-08	Methyl ethyl ketone	10/29/2022	5	Y	n	u		5.0	3.3	ug/L
MW-19-4	2225521-08	2-Hexanone	10/29/2022	10	Y	n	u		10	5.0	ug/L
MW-19-4	2225521-08	Ethyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-19-4	2225521-08	Ethyl methacrylate	10/29/2022	4	Y	n	u		4.0	1.3	ug/L
MW-19-4	2225521-08	Diethyl ether	10/29/2022	2	Y	n	u		2.0	0.33	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-19-4	2225521-08	trans-1,4-Dichloro-2-butene	10/29/2022	5	Y	n	u		5.0	1.8	ug/L
MW-19-4	2225521-08	Carbon disulfide	10/29/2022	0.5	Y	n	u		0.50	0.48	ug/L
MW-19-4	2225521-08	t-Butyl alcohol	10/29/2022	2	Y	n	u		2.0	2.0	ug/L
MW-19-4	2225521-08	t-Amyl Methyl ether	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-19-4	2225521-08	Allyl chloride	10/29/2022	5	Y	n	u		5.0	0.47	ug/L
MW-19-4	2225521-08	Propionitrile	10/29/2022	20	Y	n	u		20	6.2	ug/L
MW-19-4	2225521-08	Tetrachloroethene	10/29/2022	1.4	Y	y	v		0.50	0.23	ug/L
MW-19-4	2225521-08	1,1-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-19-4	2225521-08	cis-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-4	2225521-08	trans-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-19-4	2225521-08	Ethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-4	2225521-08	Hexachlorobutadiene	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-19-4	2225521-08	Isopropylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-4	2225521-08	Methylene chloride	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-19-4	2225521-08	Acrylonitrile	10/29/2022	5	Y	n	u		5.0	1.5	ug/L
MW-19-4	2225521-08	Naphthalene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-19-4	2225521-08	n-Propylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-19-4	2225521-08	Styrene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-19-4	2225521-08	1,1-Dichloropropanone	10/29/2022	0	Y	y	v				ug/L
MW-19-4	2225521-08	1,1,2,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-4	2225521-08	2,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-19-4	2225521-08	Toluene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-4	2225521-08	1,2,3-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-19-4	2225521-08	1,2,4-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-4	2225521-08	1,1,1-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-19-4	2225521-08	1,1,2-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-19-4	2225521-08	Trichloroethene	10/29/2022	0.52	Y	y	v		0.50	0.19	ug/L
MW-19-4	2225521-08	Trichlorofluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-4	2225521-08	1,2,3-Trichloropropane	10/29/2022	1	Y	n	u		1.0	0.78	ug/L
MW-19-4	2225521-08	1,1,2-Trichloro-1,2,2-trifluoroethane	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-19-4	2225521-08	1,2,4-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-4	2225521-08	1,3,5-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-4	2225521-08	Vinyl chloride	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-19-4	2225521-08	1,1,1,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-19-4	2225521-08	Hexachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-19-5	2225521-07	Methyl acrylate	10/29/2022	0	Y	y	v				ug/L
MW-19-5	2225521-07	1,1,2,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-5	2225521-07	Pentachloroethane	10/29/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-19-5	2225521-07	Propionitrile	10/29/2022	20	Y	n	u		20	6.2	ug/L
MW-19-5	2225521-07	Tetrahydrofuran	10/29/2022	20	Y	n	u		20	5.2	ug/L
MW-19-5	2225521-07	p- & m-Xylenes	10/29/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-19-5	2225521-07	o-Xylene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-19-5	2225521-07	1,2-Dichloroethane-d4 (Surrogate)	10/29/2022	9.6	Y	y	v s				ug/L
MW-19-5	2225521-07	Toluene-d8 (Surrogate)	10/29/2022	9.8	Y	y	v s				ug/L
MW-19-5	2225521-07	4-Bromofluorobenzene (Surrogate)	10/29/2022	9.7	Y	y	v s				ug/L
MW-19-5	2225521-07	Methyl isobutyl ketone	10/29/2022	5	Y	n	u		5.0	2.4	ug/L
MW-19-5	2225521-07	Nitrobenzene	10/29/2022	0	Y	y	v				ug/L
MW-19-5	2225521-07	Methyl iodide	10/29/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-19-5	2225521-07	1,1-Dichloropropanone	10/29/2022	0	Y	y	v				ug/L
MW-19-5	2225521-07	2-Nitropropane	10/29/2022	0	Y	y	v				ug/L

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MW-19-5	2225521-07	1-Chlorobutane	10/29/2022	0	Y	y	v				ug/L
MW-19-5	2225521-07	Benzene	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-19-5	2225521-07	1,2,4-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-5	2225521-07	1,2,3-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-19-5	2225521-07	Toluene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-5	2225521-07	Tetrachloroethene	10/29/2022	0.94	Y	y	v		0.50	0.23	ug/L
MW-19-5	2225521-07	Chloroacetonitrile	10/29/2022	0	Y	y	v				ug/L
MW-19-5	2225521-07	t-Butyl alcohol	10/29/2022	2	Y	n	u		2.0	2.0	ug/L
MW-19-5	2225521-07	1,1,1-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-19-5	2225521-07	1,1,2-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-19-5	2225521-07	Trichloroethene	10/29/2022	0.32	Y	y	v j		0.50	0.19	ug/L
MW-19-5	2225521-07	Trichlorofluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-5	2225521-07	1,2,3-Trichloropropane	10/29/2022	1	Y	n	u		1.0	0.78	ug/L
MW-19-5	2225521-07	1,1,2-Trichloro-1,2,2-trifluoroethane	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-19-5	2225521-07	1,2,4-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-5	2225521-07	Vinyl chloride	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-19-5	2225521-07	Acrylonitrile	10/29/2022	5	Y	n	u		5.0	1.5	ug/L
MW-19-5	2225521-07	Methyl methacrylate	10/29/2022	5	Y	n	u		5.0	1.2	ug/L
MW-19-5	2225521-07	t-Amyl Methyl ether	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-19-5	2225521-07	Acetone	10/29/2022	10	Y	n	u		10	6.6	ug/L
MW-19-5	2225521-07	Carbon disulfide	10/29/2022	0.5	Y	n	u		0.50	0.48	ug/L
MW-19-5	2225521-07	trans-1,4-Dichloro-2-butene	10/29/2022	5	Y	n	u		5.0	1.8	ug/L
MW-19-5	2225521-07	Diethyl ether	10/29/2022	2	Y	n	u		2.0	0.33	ug/L
MW-19-5	2225521-07	Ethyl methacrylate	10/29/2022	4	Y	n	u		4.0	1.3	ug/L
MW-19-5	2225521-07	Ethyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.32	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-19-5	2225521-07	Hexachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-19-5	2225521-07	2-Hexanone	10/29/2022	10	Y	n	u		10	5.0	ug/L
MW-19-5	2225521-07	Methacrylonitrile	10/29/2022	10	Y	n	u		10	2.3	ug/L
MW-19-5	2225521-07	Methyl ethyl ketone	10/29/2022	5	Y	n	u		5.0	3.3	ug/L
MW-19-5	2225521-07	Allyl chloride	10/29/2022	5	Y	n	u		5.0	0.47	ug/L
MW-19-5	2225521-07	1,3-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-19-5	2225521-07	Dibromomethane	10/29/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-19-5	2225521-07	1,2-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-19-5	2225521-07	1,3-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-19-5	2225521-07	1,4-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-5	2225521-07	1,1-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-5	2225521-07	1,1-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-19-5	2225521-07	cis-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-19-5	2225521-07	p-Isopropyltoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-5	2225521-07	1,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-5	2225521-07	Dibromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-19-5	2225521-07	2,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-19-5	2225521-07	1,1-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-19-5	2225521-07	cis-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-5	2225521-07	trans-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-19-5	2225521-07	Ethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-5	2225521-07	Hexachlorobutadiene	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-19-5	2225521-07	Isopropylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-5	2225521-07	trans-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-5	2225521-07	tert-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L

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MW-19-5	2225521-07	1,3,5-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-5	2225521-07	1,1,1,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-19-5	2225521-07	Bromobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-5	2225521-07	Bromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-19-5	2225521-07	Bromodichloromethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-19-5	2225521-07	Bromoform	10/29/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-19-5	2225521-07	Bromomethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-19-5	2225521-07	1,2-Dibromoethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-19-5	2225521-07	sec-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-19-5	2225521-07	1,2-Dibromo-3-chloropropane	10/29/2022	1	Y	n	u		1.0	0.89	ug/L
MW-19-5	2225521-07	Carbon tetrachloride	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-5	2225521-07	Chlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-5	2225521-07	Chloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-5	2225521-07	Chloroform	10/29/2022	2.2	Y	y	v		0.50	0.14	ug/L
MW-19-5	2225521-07	Chloromethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-19-5	2225521-07	2-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-5	2225521-07	4-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-19-5	2225521-07	1,2-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-19-5	2225521-07	n-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-5	2225521-07	Styrene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-19-5	2225521-07	Dichlorodifluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-19-5	2225521-07	Methylene chloride	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-19-5	2225521-07	Methyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-19-5	2225521-07	Naphthalene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-19-5	2225521-07	n-Propylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L

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MW-20-2	2225521-05	1,2,3-Trichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-2	2225521-05	Allyl chloride	10/28/2022	5	Y	n	u		5.0	0.47	ug/L
MW-20-2	2225521-05	1,3,5-Trimethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-2	2225521-05	1,2,4-Trimethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-2	2225521-05	1,1,2-Trichloro-1,2,2-trifluoroethane	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-2	2225521-05	1,2,3-Trichloropropane	10/28/2022	1	Y	n	u		1.0	0.78	ug/L
MW-20-2	2225521-05	Trichlorofluoromethane	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-2	2225521-05	Trichloroethene	10/28/2022	0.38	Y	y	v j		0.50	0.19	ug/L
MW-20-2	2225521-05	1,1,2-Trichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-2	2225521-05	Acetone	10/28/2022	10	Y	n	u		10	6.6	ug/L
MW-20-2	2225521-05	1,2,4-Trichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-2	2225521-05	Acrylonitrile	10/28/2022	5	Y	n	u		5.0	1.5	ug/L
MW-20-2	2225521-05	Nitrobenzene	10/28/2022	0	Y	y	v				ug/L
MW-20-2	2225521-05	Methyl acrylate	10/28/2022	0	Y	y	v				ug/L
MW-20-2	2225521-05	4-Bromofluorobenzene (Surrogate)	10/28/2022	9.4	Y	y	v s				ug/L
MW-20-2	2225521-05	o-Xylene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-2	2225521-05	p- & m-Xylenes	10/28/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-20-2	2225521-05	Toluene-d8 (Surrogate)	10/28/2022	9.9	Y	y	v s				ug/L
MW-20-2	2225521-05	Tetrahydrofuran	10/28/2022	20	Y	n	u		20	5.2	ug/L
MW-20-2	2225521-05	1,2-Dichloroethane-d4 (Surrogate)	10/28/2022	9.9	Y	y	v s				ug/L
MW-20-2	2225521-05	1,1,1-Trichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-2	2225521-05	Ethyl methacrylate	10/28/2022	4	Y	n	u		4.0	1.3	ug/L
MW-20-2	2225521-05	1-Chlorobutane	10/28/2022	0	Y	y	v				ug/L
MW-20-2	2225521-05	2-Nitropropane	10/28/2022	0	Y	y	v				ug/L
MW-20-2	2225521-05	Methyl methacrylate	10/28/2022	5	Y	n	u		5.0	1.2	ug/L

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MW-20-2	2225521-05	Methyl isobutyl ketone	10/28/2022	5	Y	n	u		5.0	2.4	ug/L
MW-20-2	2225521-05	Methyl iodide	10/28/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-20-2	2225521-05	Methyl ethyl ketone	10/28/2022	5	Y	n	u		5.0	3.3	ug/L
MW-20-2	2225521-05	Methacrylonitrile	10/28/2022	10	Y	n	u		10	2.3	ug/L
MW-20-2	2225521-05	2-Hexanone	10/28/2022	10	Y	n	u		10	5.0	ug/L
MW-20-2	2225521-05	Vinyl chloride	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-20-2	2225521-05	Ethyl t-butyl ether	10/28/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-20-2	2225521-05	1,1-Dichloropropanone	10/28/2022	0	Y	y	v				ug/L
MW-20-2	2225521-05	Diethyl ether	10/28/2022	2	Y	n	u		2.0	0.33	ug/L
MW-20-2	2225521-05	trans-1,4-Dichloro-2-butene	10/28/2022	5	Y	n	u		5.0	1.8	ug/L
MW-20-2	2225521-05	Carbon disulfide	10/28/2022	0.5	Y	n	u		0.50	0.48	ug/L
MW-20-2	2225521-05	t-Butyl alcohol	10/28/2022	2	Y	n	u		2.0	2.0	ug/L
MW-20-2	2225521-05	t-Amyl Methyl ether	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-2	2225521-05	Tetrachloroethene	10/28/2022	0.44	Y	y	v j		0.50	0.23	ug/L
MW-20-2	2225521-05	Chloroacetonitrile	10/28/2022	0	Y	y	v				ug/L
MW-20-2	2225521-05	Benzene	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-20-2	2225521-05	Hexachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-20-2	2225521-05	p-Isopropyltoluene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-2	2225521-05	1,2-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-2	2225521-05	1,4-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-2	2225521-05	Dichlorodifluoromethane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-2	2225521-05	1,1-Dichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-2	2225521-05	1,2-Dichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-2	2225521-05	1,1-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-20-2	2225521-05	Styrene	10/28/2022	0.5	Y	n	u		0.50	0.12	ug/L

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MW-20-2	2225521-05	n-Propylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-20-2	2225521-05	Naphthalene	10/28/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-20-2	2225521-05	1,2-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-2	2225521-05	Methylene chloride	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-2	2225521-05	Dibromomethane	10/28/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-20-2	2225521-05	Isopropylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-2	2225521-05	Hexachlorobutadiene	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-20-2	2225521-05	Ethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-2	2225521-05	trans-1,3-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-2	2225521-05	cis-1,3-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-2	2225521-05	cis-1,2-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-20-2	2225521-05	1,1-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-2	2225521-05	trans-1,2-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-2	2225521-05	2,2-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-20-2	2225521-05	1,3-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-2	2225521-05	Methyl t-butyl ether	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-2	2225521-05	Chloroform	10/28/2022	0.61	Y	y	v		0.50	0.14	ug/L
MW-20-2	2225521-05	Bromobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-2	2225521-05	Bromochloromethane	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-20-2	2225521-05	Bromodichloromethane	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-20-2	2225521-05	Bromoform	10/28/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-20-2	2225521-05	Bromomethane	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-20-2	2225521-05	n-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-2	2225521-05	sec-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-2	2225521-05	tert-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L

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MW-20-2	2225521-05	Carbon tetrachloride	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-2	2225521-05	1,3-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-20-2	2225521-05	Chloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-2	2225521-05	Toluene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-2	2225521-05	Chloromethane	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-20-2	2225521-05	2-Chlorotoluene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-2	2225521-05	Pentachloroethane	10/28/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-20-2	2225521-05	4-Chlorotoluene	10/28/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-20-2	2225521-05	Propionitrile	10/28/2022	20	Y	n	u		20	6.2	ug/L
MW-20-2	2225521-05	Dibromochloromethane	10/28/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-20-2	2225521-05	1,1,2,2-Tetrachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-2	2225521-05	1,2-Dibromo-3-chloropropane	10/28/2022	1	Y	n	u		1.0	0.89	ug/L
MW-20-2	2225521-05	1,1,1,2-Tetrachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-2	2225521-05	1,2-Dibromoethane	10/28/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-20-2	2225521-05	Chlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-3	2225521-04	Nitrobenzene	10/28/2022	0	Y	y	v				ug/L
MW-20-3	2225521-04	2-Nitropropane	10/28/2022	0	Y	y	v				ug/L
MW-20-3	2225521-04	Toluene-d8 (Surrogate)	10/28/2022	9.9	Y	y	v s				ug/L
MW-20-3	2225521-04	trans-1,4-Dichloro-2-butene	10/28/2022	5	Y	n	u		5.0	1.8	ug/L
MW-20-3	2225521-04	4-Bromofluorobenzene (Surrogate)	10/28/2022	9.9	Y	y	v s				ug/L
MW-20-3	2225521-04	2,2-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-20-3	2225521-04	Ethyl methacrylate	10/28/2022	4	Y	n	u		4.0	1.3	ug/L
MW-20-3	2225521-04	Dichlorodifluoromethane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-3	2225521-04	1,1-Dichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-3	2225521-04	1,2-Dichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L

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MW-20-3	2225521-04	1,1-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-20-3	2225521-04	cis-1,2-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-20-3	2225521-04	trans-1,2-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-3	2225521-04	1,3-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-20-3	2225521-04	1,3-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-3	2225521-04	1,2-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-3	2225521-04	1,1-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-3	2225521-04	cis-1,3-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-3	2225521-04	trans-1,3-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-3	2225521-04	Ethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-3	2225521-04	Hexachlorobutadiene	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-20-3	2225521-04	Isopropylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-3	2225521-04	Methylene chloride	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-3	2225521-04	Naphthalene	10/28/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-20-3	2225521-04	1,2-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-3	2225521-04	Chloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-3	2225521-04	Bromochloromethane	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-20-3	2225521-04	Bromodichloromethane	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-20-3	2225521-04	Bromoform	10/28/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-20-3	2225521-04	Bromomethane	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-20-3	2225521-04	n-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-3	2225521-04	sec-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-3	2225521-04	tert-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-20-3	2225521-04	1,4-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-3	2225521-04	Chlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L

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MW-20-3	2225521-04	1,1,1,2-Tetrachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-3	2225521-04	Chloroform	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-3	2225521-04	Chloromethane	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-20-3	2225521-04	2-Chlorotoluene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-3	2225521-04	4-Chlorotoluene	10/28/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-20-3	2225521-04	Dibromochloromethane	10/28/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-20-3	2225521-04	1,2-Dibromo-3-chloropropane	10/28/2022	1	Y	n	u		1.0	0.89	ug/L
MW-20-3	2225521-04	1,2-Dibromoethane	10/28/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-20-3	2225521-04	Dibromomethane	10/28/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-20-3	2225521-04	Carbon tetrachloride	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-3	2225521-04	Methyl ethyl ketone	10/28/2022	5	Y	n	u		5.0	3.3	ug/L
MW-20-3	2225521-04	Allyl chloride	10/28/2022	5	Y	n	u		5.0	0.47	ug/L
MW-20-3	2225521-04	t-Amyl Methyl ether	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-3	2225521-04	t-Butyl alcohol	10/28/2022	2	Y	n	u		2.0	2.0	ug/L
MW-20-3	2225521-04	Carbon disulfide	10/28/2022	0.87	Y	y	v		0.50	0.48	ug/L
MW-20-3	2225521-04	Diethyl ether	10/28/2022	2	Y	n	u		2.0	0.33	ug/L
MW-20-3	2225521-04	Ethyl t-butyl ether	10/28/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-20-3	2225521-04	Hexachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-20-3	2225521-04	n-Propylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-20-3	2225521-04	Methacrylonitrile	10/28/2022	10	Y	n	u		10	2.3	ug/L
MW-20-3	2225521-04	Vinyl chloride	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-20-3	2225521-04	Methyl iodide	10/28/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-20-3	2225521-04	Methyl isobutyl ketone	10/28/2022	5	Y	n	u		5.0	2.4	ug/L
MW-20-3	2225521-04	Methyl methacrylate	10/28/2022	5	Y	n	u		5.0	1.2	ug/L
MW-20-3	2225521-04	Pentachloroethane	10/28/2022	2	Y	n	u	UJ	2.0	0.63	ug/L

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MW-20-3	2225521-04	Propionitrile	10/28/2022	20	Y	n	u		20	6.2	ug/L
MW-20-3	2225521-04	Tetrahydrofuran	10/28/2022	20	Y	n	u		20	5.2	ug/L
MW-20-3	2225521-04	p- & m-Xylenes	10/28/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-20-3	2225521-04	o-Xylene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-3	2225521-04	2-Hexanone	10/28/2022	10	Y	n	u		10	5.0	ug/L
MW-20-3	2225521-04	Methyl t-butyl ether	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-3	2225521-04	1,2-Dichloroethane-d4 (Surrogate)	10/28/2022	10	Y	y	v s				ug/L
MW-20-3	2225521-04	1,1,2,2-Tetrachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-3	2225521-04	Tetrachloroethene	10/28/2022	0.73	Y	y	v		0.50	0.23	ug/L
MW-20-3	2225521-04	Toluene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-3	2225521-04	1,2,3-Trichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-3	2225521-04	1,2,4-Trichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-3	2225521-04	1,1,1-Trichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-3	2225521-04	1,1,2-Trichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-3	2225521-04	Acrylonitrile	10/28/2022	5	Y	n	u		5.0	1.5	ug/L
MW-20-3	2225521-04	Benzene	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-20-3	2225521-04	Acetone	10/28/2022	10	Y	n	u		10	6.6	ug/L
MW-20-3	2225521-04	Methyl acrylate	10/28/2022	0	Y	y	v				ug/L
MW-20-3	2225521-04	Trichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-3	2225521-04	Trichlorofluoromethane	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-3	2225521-04	1,2,3-Trichloropropane	10/28/2022	1	Y	n	u		1.0	0.78	ug/L
MW-20-3	2225521-04	1,1,2-Trichloro-1,2,2-trifluoroethane	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-3	2225521-04	1,2,4-Trimethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-3	2225521-04	1,3,5-Trimethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-3	2225521-04	Styrene	10/28/2022	0.5	Y	n	u		0.50	0.12	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-20-3	2225521-04	Bromobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-3	2225521-04	1-Chlorobutane	10/28/2022	0	Y	y	v				ug/L
MW-20-3	2225521-04	1,1-Dichloropropanone	10/28/2022	0	Y	y	v				ug/L
MW-20-3	2225521-04	p-Isopropyltoluene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-3	2225521-04	Chloroacetonitrile	10/28/2022	0	Y	y	v				ug/L
MW-20-4	2225521-03	1,1,2-Trichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-4	2225521-03	t-Butyl alcohol	10/28/2022	2	Y	n	u		2.0	2.0	ug/L
MW-20-4	2225521-03	t-Amyl Methyl ether	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-4	2225521-03	Allyl chloride	10/28/2022	5	Y	n	u		5.0	0.47	ug/L
MW-20-4	2225521-03	Acrylonitrile	10/28/2022	5	Y	n	u		5.0	1.5	ug/L
MW-20-4	2225521-03	Acetone	10/28/2022	10	Y	n	u		10	6.6	ug/L
MW-20-4	2225521-03	Vinyl chloride	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-20-4	2225521-03	1,3,5-Trimethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-4	2225521-03	1,2,4-Trimethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-4	2225521-03	1,1,2-Trichloro-1,2,2-trifluoroethane	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-4	2225521-03	1,2,3-Trichloropropane	10/28/2022	1	Y	n	u		1.0	0.78	ug/L
MW-20-4	2225521-03	Carbon disulfide	10/28/2022	0.52	Y	y	v		0.50	0.48	ug/L
MW-20-4	2225521-03	Trichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-4	2225521-03	Ethyl methacrylate	10/28/2022	4	Y	n	u		4.0	1.3	ug/L
MW-20-4	2225521-03	1,1,1-Trichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-4	2225521-03	1,2,4-Trichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-4	2225521-03	1,2,3-Trichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-4	2225521-03	Toluene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-4	2225521-03	Tetrachloroethene	10/28/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-20-4	2225521-03	1,1,2,2-Tetrachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L

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MW-20-4	2225521-03	1,1,1,2-Tetrachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-4	2225521-03	Trichlorofluoromethane	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-4	2225521-03	Methyl methacrylate	10/28/2022	5	Y	n	u		5.0	1.2	ug/L
MW-20-4	2225521-03	1,1-Dichloropropanone	10/28/2022	0	Y	y	v				ug/L
MW-20-4	2225521-03	1-Chlorobutane	10/28/2022	0	Y	y	v				ug/L
MW-20-4	2225521-03	4-Bromofluorobenzene (Surrogate)	10/28/2022	10	Y	y	v s				ug/L
MW-20-4	2225521-03	Toluene-d8 (Surrogate)	10/28/2022	10	Y	y	v s				ug/L
MW-20-4	2225521-03	1,2-Dichloroethane-d4 (Surrogate)	10/28/2022	9.7	Y	y	v s				ug/L
MW-20-4	2225521-03	o-Xylene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-4	2225521-03	p- & m-Xylenes	10/28/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-20-4	2225521-03	Tetrahydrofuran	10/28/2022	20	Y	n	u		20	5.2	ug/L
MW-20-4	2225521-03	trans-1,4-Dichloro-2-butene	10/28/2022	5	Y	n	u		5.0	1.8	ug/L
MW-20-4	2225521-03	Pentachloroethane	10/28/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-20-4	2225521-03	Styrene	10/28/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-20-4	2225521-03	Methyl isobutyl ketone	10/28/2022	5	Y	n	u		5.0	2.4	ug/L
MW-20-4	2225521-03	Methyl iodide	10/28/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-20-4	2225521-03	Methyl ethyl ketone	10/28/2022	5	Y	n	u		5.0	3.3	ug/L
MW-20-4	2225521-03	Methacrylonitrile	10/28/2022	10	Y	n	u		10	2.3	ug/L
MW-20-4	2225521-03	2-Hexanone	10/28/2022	10	Y	n	u		10	5.0	ug/L
MW-20-4	2225521-03	Hexachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-20-4	2225521-03	Ethyl t-butyl ether	10/28/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-20-4	2225521-03	Methyl t-butyl ether	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-4	2225521-03	Diethyl ether	10/28/2022	2	Y	n	u		2.0	0.33	ug/L
MW-20-4	2225521-03	Propionitrile	10/28/2022	20	Y	n	u		20	6.2	ug/L
MW-20-4	2225521-03	Carbon tetrachloride	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L

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MW-20-4	2225521-03	n-Propylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-20-4	2225521-03	1,2-Dibromoethane	10/28/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-20-4	2225521-03	1,2-Dibromo-3-chloropropane	10/28/2022	1	Y	n	u		1.0	0.89	ug/L
MW-20-4	2225521-03	Dibromochloromethane	10/28/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-20-4	2225521-03	4-Chlorotoluene	10/28/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-20-4	2225521-03	2-Chlorotoluene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-4	2225521-03	Chloromethane	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-20-4	2225521-03	Chloroform	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-4	2225521-03	1,2-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-4	2225521-03	Chlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-4	2225521-03	1,3-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-20-4	2225521-03	tert-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-20-4	2225521-03	sec-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-4	2225521-03	n-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-4	2225521-03	Bromomethane	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-20-4	2225521-03	Bromoform	10/28/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-20-4	2225521-03	Bromodichloromethane	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-20-4	2225521-03	Bromochloromethane	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-20-4	2225521-03	Bromobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-4	2225521-03	Benzene	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-20-4	2225521-03	Chloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-4	2225521-03	2,2-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-20-4	2225521-03	Naphthalene	10/28/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-20-4	2225521-03	Methyl acrylate	10/28/2022	0	Y	y	v				ug/L
MW-20-4	2225521-03	Methylene chloride	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L

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MW-20-4	2225521-03	p-Isopropyltoluene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-4	2225521-03	Isopropylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-4	2225521-03	Hexachlorobutadiene	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-20-4	2225521-03	Ethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-4	2225521-03	trans-1,3-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-4	2225521-03	Dibromomethane	10/28/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-20-4	2225521-03	1,1-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-4	2225521-03	2-Nitropropane	10/28/2022	0	Y	y	v				ug/L
MW-20-4	2225521-03	1,3-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-4	2225521-03	1,2-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-4	2225521-03	trans-1,2-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-4	2225521-03	cis-1,2-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-20-4	2225521-03	1,1-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-20-4	2225521-03	1,2-Dichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-4	2225521-03	1,1-Dichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-4	2225521-03	Dichlorodifluoromethane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-4	2225521-03	1,4-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-4	2225521-03	cis-1,3-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-4	2225521-03	Nitrobenzene	10/28/2022	0	Y	y	v				ug/L
MW-20-4	2225521-03	Chloroacetonitrile	10/28/2022	0	Y	y	v				ug/L
MW-20-5	2225521-02	trans-1,3-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-5	2225521-02	Dichlorodifluoromethane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-5	2225521-02	1,1-Dichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-5	2225521-02	1,2-Dichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-5	2225521-02	1,1-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L

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MW-20-5	2225521-02	cis-1,2-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-20-5	2225521-02	trans-1,2-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-5	2225521-02	1,2-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-5	2225521-02	1,3-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-5	2225521-02	2,2-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-20-5	2225521-02	cis-1,3-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-5	2225521-02	1,2-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-5	2225521-02	Ethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-5	2225521-02	Hexachlorobutadiene	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-20-5	2225521-02	Isopropylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-5	2225521-02	p-Isopropyltoluene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-5	2225521-02	Methylene chloride	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-5	2225521-02	Methyl t-butyl ether	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-5	2225521-02	Naphthalene	10/28/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-20-5	2225521-02	n-Propylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-20-5	2225521-02	1,1-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-5	2225521-02	Chlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-5	2225521-02	Benzene	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-20-5	2225521-02	Nitrobenzene	10/28/2022	0	Y	y	v				ug/L
MW-20-5	2225521-02	Bromobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-5	2225521-02	Bromochloromethane	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-20-5	2225521-02	Bromodichloromethane	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-20-5	2225521-02	Bromoform	10/28/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-20-5	2225521-02	Bromomethane	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-20-5	2225521-02	n-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L

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MW-20-5	2225521-02	sec-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-5	2225521-02	1,4-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-5	2225521-02	Carbon tetrachloride	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-5	2225521-02	1,3-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-20-5	2225521-02	Chloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-5	2225521-02	Chloroform	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-5	2225521-02	Chloromethane	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-20-5	2225521-02	2-Chlorotoluene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-5	2225521-02	4-Chlorotoluene	10/28/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-20-5	2225521-02	Dibromochloromethane	10/28/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-20-5	2225521-02	1,2-Dibromo-3-chloropropane	10/28/2022	1	Y	n	u		1.0	0.89	ug/L
MW-20-5	2225521-02	1,2-Dibromoethane	10/28/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-20-5	2225521-02	Dibromomethane	10/28/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-20-5	2225521-02	1,1,2,2-Tetrachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-5	2225521-02	tert-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-20-5	2225521-02	p- & m-Xylenes	10/28/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-20-5	2225521-02	Styrene	10/28/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-20-5	2225521-02	2-Hexanone	10/28/2022	10	Y	n	u		10	5.0	ug/L
MW-20-5	2225521-02	Methacrylonitrile	10/28/2022	10	Y	n	u		10	2.3	ug/L
MW-20-5	2225521-02	Methyl ethyl ketone	10/28/2022	5	Y	n	u		5.0	3.3	ug/L
MW-20-5	2225521-02	Methyl iodide	10/28/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-20-5	2225521-02	Methyl isobutyl ketone	10/28/2022	5	Y	n	u		5.0	2.4	ug/L
MW-20-5	2225521-02	Methyl methacrylate	10/28/2022	5	Y	n	u		5.0	1.2	ug/L
MW-20-5	2225521-02	Pentachloroethane	10/28/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-20-5	2225521-02	Ethyl t-butyl ether	10/28/2022	0.5	Y	n	u		0.50	0.32	ug/L

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MW-20-5	2225521-02	Tetrahydrofuran	10/28/2022	20	Y	n	u		20	5.2	ug/L
MW-20-5	2225521-02	Ethyl methacrylate	10/28/2022	4	Y	n	u		4.0	1.3	ug/L
MW-20-5	2225521-02	o-Xylene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-20-5	2225521-02	1,2-Dichloroethane-d4 (Surrogate)	10/28/2022	10	Y	y	v s				ug/L
MW-20-5	2225521-02	Toluene-d8 (Surrogate)	10/28/2022	9.9	Y	y	v s				ug/L
MW-20-5	2225521-02	4-Bromofluorobenzene (Surrogate)	10/28/2022	9.9	Y	y	v s				ug/L
MW-20-5	2225521-02	1,1-Dichloropropanone	10/28/2022	0	Y	y	v				ug/L
MW-20-5	2225521-02	2-Nitropropane	10/28/2022	0	Y	y	v				ug/L
MW-20-5	2225521-02	Chloroacetonitrile	10/28/2022	0	Y	y	v				ug/L
MW-20-5	2225521-02	Methyl acrylate	10/28/2022	0	Y	y	v				ug/L
MW-20-5	2225521-02	1-Chlorobutane	10/28/2022	0	Y	y	v				ug/L
MW-20-5	2225521-02	Propionitrile	10/28/2022	20	Y	n	u		20	6.2	ug/L
MW-20-5	2225521-02	1,2,4-Trimethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-5	2225521-02	Tetrachloroethene	10/28/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-20-5	2225521-02	Toluene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-20-5	2225521-02	1,2,3-Trichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-5	2225521-02	1,2,4-Trichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-20-5	2225521-02	1,1,1-Trichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-5	2225521-02	1,1,2-Trichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-5	2225521-02	Trichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-5	2225521-02	Trichlorofluoromethane	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-20-5	2225521-02	Hexachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-20-5	2225521-02	1,1,2-Trichloro-1,2,2-trifluoroethane	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-5	2225521-02	1,1,1,2-Tetrachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-20-5	2225521-02	1,3,5-Trimethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L

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MW-20-5	2225521-02	Vinyl chloride	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-20-5	2225521-02	Acetone	10/28/2022	10	Y	n	u		10	6.6	ug/L
MW-20-5	2225521-02	Acrylonitrile	10/28/2022	5	Y	n	u		5.0	1.5	ug/L
MW-20-5	2225521-02	Allyl chloride	10/28/2022	5	Y	n	u		5.0	0.47	ug/L
MW-20-5	2225521-02	t-Amyl Methyl ether	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-20-5	2225521-02	t-Butyl alcohol	10/28/2022	2	Y	n	u		2.0	2.0	ug/L
MW-20-5	2225521-02	Carbon disulfide	10/28/2022	0.54	Y	y	v		0.50	0.48	ug/L
MW-20-5	2225521-02	trans-1,4-Dichloro-2-butene	10/28/2022	5	Y	n	u		5.0	1.8	ug/L
MW-20-5	2225521-02	Diethyl ether	10/28/2022	2	Y	n	u		2.0	0.33	ug/L
MW-20-5	2225521-02	1,2,3-Trichloropropane	10/28/2022	1	Y	n	u		1.0	0.78	ug/L
SB-1-102422	2225521-13	1,1,1-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
SB-1-102422	2225521-13	Chloromethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
SB-1-102422	2225521-13	Tetrachloroethene	10/29/2022	0.5	Y	n	u		0.50	0.23	ug/L
SB-1-102422	2225521-13	1,4-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-1-102422	2225521-13	1,3-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
SB-1-102422	2225521-13	1,2-Dichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
SB-1-102422	2225521-13	Dibromomethane	10/29/2022	0.5	Y	n	u		0.50	0.23	ug/L
SB-1-102422	2225521-13	1,2-Dibromoethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
SB-1-102422	2225521-13	1,2-Dibromo-3-chloropropane	10/29/2022	1	Y	n	u		1.0	0.89	ug/L
SB-1-102422	2225521-13	Dibromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.22	ug/L
SB-1-102422	2225521-13	Bromodichloromethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
SB-1-102422	2225521-13	2-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-1-102422	2225521-13	cis-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
SB-1-102422	2225521-13	Chloroform	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-1-102422	2225521-13	Chloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L

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SB-1-102422	2225521-13	Chlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-1-102422	2225521-13	Carbon tetrachloride	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
SB-1-102422	2225521-13	tert-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
SB-1-102422	2225521-13	sec-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
SB-1-102422	2225521-13	n-Butylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-1-102422	2225521-13	Bromomethane	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
SB-1-102422	2225521-13	Bromoform	10/29/2022	0.5	Y	n	u		0.50	0.46	ug/L
SB-1-102422	2225521-13	4-Chlorotoluene	10/29/2022	0.5	Y	n	u		0.50	0.093	ug/L
SB-1-102422	2225521-13	Hexachlorobutadiene	10/29/2022	0.5	Y	n	u		0.50	0.20	ug/L
SB-1-102422	2225521-13	Trichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
SB-1-102422	2225521-13	1,1,2-Trichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
SB-1-102422	2225521-13	1,1,2,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
SB-1-102422	2225521-13	1,1,1,2-Tetrachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
SB-1-102422	2225521-13	Styrene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L
SB-1-102422	2225521-13	n-Propylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.12	ug/L
SB-1-102422	2225521-13	Naphthalene	10/29/2022	0.5	Y	n	u		0.50	0.16	ug/L
SB-1-102422	2225521-13	Methyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-1-102422	2225521-13	Methylene chloride	10/29/2022	0.5	Y	n	u		0.50	0.21	ug/L
SB-1-102422	2225521-13	1,1-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-1-102422	2225521-13	Isopropylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-1-102422	2225521-13	1,1-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
SB-1-102422	2225521-13	Ethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-1-102422	2225521-13	trans-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
SB-1-102422	2225521-13	cis-1,3-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-1-102422	2225521-13	1,1-Dichloropropene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L

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SB-1-102422	2225521-13	2,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
SB-1-102422	2225521-13	1,3-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L
SB-1-102422	2225521-13	1,2-Dichloropropane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-1-102422	2225521-13	trans-1,2-Dichloroethene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
SB-1-102422	2225521-13	Dichlorodifluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-1-102422	2225521-13	p-Isopropyltoluene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-1-102422	2225521-13	Vinyl chloride	10/29/2022	0.5	Y	n	u		0.50	0.18	ug/L
SB-1-102422	2225521-13	Hexachloroethane	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
SB-1-102422	2225521-13	Ethyl t-butyl ether	10/29/2022	0.5	Y	n	u		0.50	0.32	ug/L
SB-1-102422	2225521-13	Ethyl methacrylate	10/29/2022	4	Y	n	u		4.0	1.3	ug/L
SB-1-102422	2225521-13	Diethyl ether	10/29/2022	2	Y	n	u		2.0	0.33	ug/L
SB-1-102422	2225521-13	trans-1,4-Dichloro-2-butene	10/29/2022	5	Y	n	u		5.0	1.8	ug/L
SB-1-102422	2225521-13	Carbon disulfide	10/29/2022	0.5	Y	n	u		0.50	0.48	ug/L
SB-1-102422	2225521-13	t-Butyl alcohol	10/29/2022	2	Y	n	u		2.0	2.0	ug/L
SB-1-102422	2225521-13	t-Amyl Methyl ether	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
SB-1-102422	2225521-13	Allyl chloride	10/29/2022	5	Y	n	u		5.0	0.47	ug/L
SB-1-102422	2225521-13	2-Hexanone	10/29/2022	10	Y	n	u		10	5.0	ug/L
SB-1-102422	2225521-13	Acetone	10/29/2022	10	Y	n	u		10	6.6	ug/L
SB-1-102422	2225521-13	1,2,3-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
SB-1-102422	2225521-13	1,3,5-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-1-102422	2225521-13	1,2,4-Trimethylbenzene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
SB-1-102422	2225521-13	1,1,2-Trichloro-1,2,2-trifluoroethane	10/29/2022	0.5	Y	n	u		0.50	0.19	ug/L
SB-1-102422	2225521-13	1,2,3-Trichloropropane	10/29/2022	1	Y	n	u		1.0	0.78	ug/L
SB-1-102422	2225521-13	Trichlorofluoromethane	10/29/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-1-102422	2225521-13	Toluene	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L

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SB-1-102422	2225521-13	Bromochloromethane	10/29/2022	0.5	Y	n	u		0.50	0.27	ug/L
SB-1-102422	2225521-13	1,2,4-Trichlorobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-1-102422	2225521-13	1,2-Dichloroethane	10/29/2022	0.5	Y	n	u		0.50	0.17	ug/L
SB-1-102422	2225521-13	Acrylonitrile	10/29/2022	5	Y	n	u		5.0	1.5	ug/L
SB-1-102422	2225521-13	Methyl acrylate	10/29/2022	0	Y	y	v				ug/L
SB-1-102422	2225521-13	Benzene	10/29/2022	0.5	Y	n	u		0.50	0.11	ug/L
SB-1-102422	2225521-13	2-Nitropropane	10/29/2022	0	Y	y	v				ug/L
SB-1-102422	2225521-13	1-Chlorobutane	10/29/2022	0	Y	y	v				ug/L
SB-1-102422	2225521-13	1,1-Dichloropropanone	10/29/2022	0	Y	y	v				ug/L
SB-1-102422	2225521-13	Chloroacetonitrile	10/29/2022	0	Y	y	v				ug/L
SB-1-102422	2225521-13	Nitrobenzene	10/29/2022	0	Y	y	v				ug/L
SB-1-102422	2225521-13	4-Bromofluorobenzene (Surrogate)	10/29/2022	9.4	Y	y	v s				ug/L
SB-1-102422	2225521-13	Toluene-d8 (Surrogate)	10/29/2022	10	Y	y	v s				ug/L
SB-1-102422	2225521-13	1,2-Dichloroethane-d4 (Surrogate)	10/29/2022	9.9	Y	y	v s				ug/L
SB-1-102422	2225521-13	Methacrylonitrile	10/29/2022	10	Y	n	u		10	2.3	ug/L
SB-1-102422	2225521-13	p- & m-Xylenes	10/29/2022	0.5	Y	n	u		0.50	0.34	ug/L
SB-1-102422	2225521-13	Tetrahydrofuran	10/29/2022	20	Y	n	u		20	5.2	ug/L
SB-1-102422	2225521-13	Propionitrile	10/29/2022	20	Y	n	u		20	6.2	ug/L
SB-1-102422	2225521-13	Pentachloroethane	10/29/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
SB-1-102422	2225521-13	Methyl methacrylate	10/29/2022	5	Y	n	u		5.0	1.2	ug/L
SB-1-102422	2225521-13	Methyl isobutyl ketone	10/29/2022	5	Y	n	u		5.0	2.4	ug/L
SB-1-102422	2225521-13	Methyl iodide	10/29/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
SB-1-102422	2225521-13	Methyl ethyl ketone	10/29/2022	5	Y	n	u		5.0	3.3	ug/L
SB-1-102422	2225521-13	Bromobenzene	10/29/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-1-102422	2225521-13	o-Xylene	10/29/2022	0.5	Y	n	u		0.50	0.13	ug/L

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TB-1-102422	2225521-01	1,1-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-1-102422	2225521-01	2,2-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-1-102422	2225521-01	1,3-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-1-102422	2225521-01	1,2-Dichloropropane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-1-102422	2225521-01	trans-1,2-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-1-102422	2225521-01	cis-1,2-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-1-102422	2225521-01	cis-1,3-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-1-102422	2225521-01	1,2-Dichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-1-102422	2225521-01	Methyl t-butyl ether	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-1-102422	2225521-01	1,1-Dichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-1-102422	2225521-01	1,1-Dichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-1-102422	2225521-01	trans-1,3-Dichloropropene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-1-102422	2225521-01	Ethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-1-102422	2225521-01	Hexachlorobutadiene	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
TB-1-102422	2225521-01	Isopropylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-1-102422	2225521-01	Methylene chloride	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-1-102422	2225521-01	Naphthalene	10/28/2022	0.5	Y	n	u		0.50	0.16	ug/L
TB-1-102422	2225521-01	n-Propylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.12	ug/L
TB-1-102422	2225521-01	Dichlorodifluoromethane	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-1-102422	2225521-01	Chloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-1-102422	2225521-01	Styrene	10/28/2022	0.5	Y	n	u		0.50	0.12	ug/L
TB-1-102422	2225521-01	p-Isopropyltoluene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-1-102422	2225521-01	Chloroform	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-1-102422	2225521-01	Bromobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-1-102422	2225521-01	Bromodichloromethane	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L

SDG: 2225521

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-1-102422	2225521-01	Bromoform	10/28/2022	0.5	Y	n	u		0.50	0.46	ug/L
TB-1-102422	2225521-01	Bromomethane	10/28/2022	0.5	Y	n	u		0.50	0.20	ug/L
TB-1-102422	2225521-01	n-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-1-102422	2225521-01	sec-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-1-102422	2225521-01	tert-Butylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-1-102422	2225521-01	Carbon tetrachloride	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-1-102422	2225521-01	Chloromethane	10/28/2022	1.1	Y	y	v		0.50	0.11	ug/L
TB-1-102422	2225521-01	1,1,1,2-Tetrachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-1-102422	2225521-01	1,4-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-1-102422	2225521-01	Bromochloromethane	10/28/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-1-102422	2225521-01	2-Chlorotoluene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-1-102422	2225521-01	4-Chlorotoluene	10/28/2022	0.5	Y	n	u		0.50	0.093	ug/L
TB-1-102422	2225521-01	Dibromochloromethane	10/28/2022	0.5	Y	n	u		0.50	0.22	ug/L
TB-1-102422	2225521-01	1,2-Dibromo-3-chloropropane	10/28/2022	1	Y	n	u		1.0	0.89	ug/L
TB-1-102422	2225521-01	1,2-Dibromoethane	10/28/2022	0.5	Y	n	u		0.50	0.22	ug/L
TB-1-102422	2225521-01	Dibromomethane	10/28/2022	0.5	Y	n	u		0.50	0.23	ug/L
TB-1-102422	2225521-01	1,2-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-1-102422	2225521-01	1,3-Dichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.16	ug/L
TB-1-102422	2225521-01	Chlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-1-102422	2225521-01	o-Xylene	10/28/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-1-102422	2225521-01	Chloroacetonitrile	10/28/2022	0	Y	y	v				ug/L
TB-1-102422	2225521-01	2-Hexanone	10/28/2022	10	Y	n	u		10	5.0	ug/L
TB-1-102422	2225521-01	Methacrylonitrile	10/28/2022	10	Y	n	u		10	2.3	ug/L
TB-1-102422	2225521-01	Methyl ethyl ketone	10/28/2022	5	Y	n	u		5.0	3.3	ug/L
TB-1-102422	2225521-01	Methyl iodide	10/28/2022	2	Y	n	u	UJ	2.0	1.1	ug/L

SDG: 2225521

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-1-102422	2225521-01	Methyl isobutyl ketone	10/28/2022	5	Y	n	u		5.0	2.4	ug/L
TB-1-102422	2225521-01	Methyl methacrylate	10/28/2022	5	Y	n	u		5.0	1.2	ug/L
TB-1-102422	2225521-01	Pentachloroethane	10/28/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
TB-1-102422	2225521-01	Propionitrile	10/28/2022	20	Y	n	u		20	6.2	ug/L
TB-1-102422	2225521-01	Ethyl t-butyl ether	10/28/2022	0.5	Y	n	u		0.50	0.32	ug/L
TB-1-102422	2225521-01	p- & m-Xylenes	10/28/2022	0.5	Y	n	u		0.50	0.34	ug/L
TB-1-102422	2225521-01	Ethyl methacrylate	10/28/2022	4	Y	n	u		4.0	1.3	ug/L
TB-1-102422	2225521-01	1,2-Dichloroethane-d4 (Surrogate)	10/28/2022	9.7	Y	y	v s				ug/L
TB-1-102422	2225521-01	Toluene-d8 (Surrogate)	10/28/2022	9.8	Y	y	v s				ug/L
TB-1-102422	2225521-01	4-Bromofluorobenzene (Surrogate)	10/28/2022	9.6	Y	y	v s				ug/L
TB-1-102422	2225521-01	Nitrobenzene	10/28/2022	0	Y	y	v				ug/L
TB-1-102422	2225521-01	1,1-Dichloropropanone	10/28/2022	0	Y	y	v				ug/L
TB-1-102422	2225521-01	1-Chlorobutane	10/28/2022	0	Y	y	v				ug/L
TB-1-102422	2225521-01	2-Nitropropane	10/28/2022	0	Y	y	v				ug/L
TB-1-102422	2225521-01	Methyl acrylate	10/28/2022	0	Y	y	v				ug/L
TB-1-102422	2225521-01	Benzene	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-1-102422	2225521-01	Tetrahydrofuran	10/28/2022	20	Y	n	u		20	5.2	ug/L
TB-1-102422	2225521-01	1,3,5-Trimethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-1-102422	2225521-01	Tetrachloroethene	10/28/2022	0.5	Y	n	u		0.50	0.23	ug/L
TB-1-102422	2225521-01	Toluene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-1-102422	2225521-01	1,2,3-Trichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-1-102422	2225521-01	1,2,4-Trichlorobenzene	10/28/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-1-102422	2225521-01	1,1,1-Trichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-1-102422	2225521-01	1,1,2-Trichloroethane	10/28/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-1-102422	2225521-01	Trichloroethene	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L

SDG: 2225521

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-1-102422	2225521-01	Trichlorofluoromethane	10/28/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-1-102422	2225521-01	1,2,3-Trichloropropane	10/28/2022	1	Y	n	u		1.0	0.78	ug/L
TB-1-102422	2225521-01	Hexachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-1-102422	2225521-01	1,2,4-Trimethylbenzene	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-1-102422	2225521-01	1,1,2,2-Tetrachloroethane	10/28/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-1-102422	2225521-01	Vinyl chloride	10/28/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-1-102422	2225521-01	Acetone	10/28/2022	10	Y	n	u		10	6.6	ug/L
TB-1-102422	2225521-01	Acrylonitrile	10/28/2022	5	Y	n	u		5.0	1.5	ug/L
TB-1-102422	2225521-01	Allyl chloride	10/28/2022	5	Y	n	u		5.0	0.47	ug/L
TB-1-102422	2225521-01	t-Amyl Methyl ether	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-1-102422	2225521-01	t-Butyl alcohol	10/28/2022	2	Y	n	u		2.0	2.0	ug/L
TB-1-102422	2225521-01	Carbon disulfide	10/28/2022	0.5	Y	n	u		0.50	0.48	ug/L
TB-1-102422	2225521-01	trans-1,4-Dichloro-2-butene	10/28/2022	5	Y	n	u		5.0	1.8	ug/L
TB-1-102422	2225521-01	Diethyl ether	10/28/2022	2	Y	n	u		2.0	0.33	ug/L
TB-1-102422	2225521-01	1,1,2-Trichloro-1,2,2-trifluoroethane	10/28/2022	0.5	Y	n	u		0.50	0.19	ug/L

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Tidewater
3761 Attucks Drive
Powell, OH 43065
ATTN: Mr. David Conner
David.Conner@tideh2o.net

March 7, 2023

SUBJECT: NASA JPL, 4Q2022 - Data Validation

Dear Mr. Conner,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on December 7, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #55577:

SDG #	**Fraction**
2225926	Volatiles, Chromium, Wet Chemistry

The data validation was performed under Level III guidelines. The analysis was validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (January 2017)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

191 pages-ADV

Attachment 1

90/10 III/IV (lab select) EDD

LDC# 55577 (Tidewater - Powell, OH / NASA JPL, 4Q2022)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (524.2)		Cr (200.8)		Cr(VI) (218.6)		CLO_4 (314.0)																									
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	2225926	12/07/22	12/29/22	7	0	6	0	6	0	6	0																								
Total	TR/PG			7	0	6	0	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25

Shaded cells indicate Level IV validation (all other cells are Level III validation). These sample counts do not include MS/MSD, and DUPs

V:\LOGIN\Tidewater\NASA JPL\55577ST.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: January 3, 2023

Parameters: Volatiles

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225926

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
TB-5-102822	2225926-01	Water	10/28/22
MW-23-5	2225926-02	Water	10/28/22
MW-23-4	2225926-03	Water	10/28/22
MW-23-3	2225926-04	Water	10/28/22
MW-23-2	2225926-05	Water	10/28/22
MW-26-2	2225926-06	Water	10/28/22
EB-5-102822	2225926-07	Water	10/28/22
MW-23-2MS	2225926-05MS	Water	10/28/22
MW-23-2MSD	2225926-05MSD	Water	10/28/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method 524.2

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
11/06/22 (22:28)	Bromomethane	50.4	All samples in SDG 2225926	UJ (all non-detects)	P
11/06/22 (22:52)	Carbon disulfide Methyl Iodide tert-Butyl alcohol	47.2 84.8 87.8	All samples in SDG 2225926	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TB-5-102822 was identified as a trip blank. No contaminants were found.

Sample EB-5-102822 was identified as an equipment blank. No contaminants were found.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Targe Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to continuing calibration %D, data were qualified as estimated in seven samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Volatiles - Data Qualification Summary - SDG 2225926

Sample	Analyte	Flag	A or P	Reason
TB-5-102822 MW-23-5 MW-23-4 MW-23-3 MW-23-2 MW-26-2 EB-5-102822	Bromomethane Carbon disulfide Methyl Iodide tert-Butyl alcohol	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Continuing calibration (%D)

NASA JPL, 4Q2022
Volatiles - Laboratory Blank Data Qualification Summary - SDG 2225926

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Volatiles - Field Blank Data Qualification Summary - SDG 2225926

No Sample Data Qualified in this SDG

LDC #: 55577A1a

SDG #: 2225926

Laboratory: BC Laboratories, Inc., Bakersfield, CA

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 12/29/22

Page: 1 of 1

Reviewer:

2nd Reviewer:

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	% RSD ≤ 20 ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 30
V.	Laboratory Blanks	A	
VI.	Field blanks	NP	TB = 1 EB = 1
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	
XIII.	Target analyte identification	N	
XIV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	TB-5-102822	2225926-01	Water	10/28/22
2	MW-23-5	2225926-02	Water	10/28/22
3	MW-23-4	2225926-03	Water	10/28/22
4	MW-23-3	2225926-04	Water	10/28/22
5	MW-23-2	2225926-05	Water	10/28/22
6	MW-26-2	2225926-06	Water	10/28/22
7	EB-5-102822	2225926-07	Water	10/28/22
8	MW-23-2MS	2225926-05MS	Water	10/28/22
9	MW-23-2MSD	2225926-05MSD	Water	10/28/22
10				

Notes:

	B153143						

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. Ethylene Dibromide

LDC #: 55577A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method ~~8260~~) 524.2

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤~~20~~ %D and ≥0.05 RRF ? 30%

#	Date	Standard ID	Compound	Finding %D (Limit: ~~≤20.0~~%) 30	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	11/6/22 22:28	2220617-CCV3	B	50.4		All	J/UJ/P ND
	11/6/22 2252	2220617-CCV4	G	47.2		All	J/UJ/P ND
			Methyl Iodide	84.8		↓	↓
			ZZZ	87.8			

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 6, 2023

Parameters: Chromium

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225926

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-23-5	2225926-02	Water	10/28/22
MW-23-4	2225926-03	Water	10/28/22
MW-23-3	2225926-04	Water	10/28/22
MW-23-2	2225926-05	Water	10/28/22
MW-26-2	2225926-06	Water	10/28/22
EB-5-102822	2225926-07	Water	10/28/22
MW-23-2MS	2225926-05MS	Water	10/28/22
MW-23-2MSD	2225926-05MSD	Water	10/28/22
MW-23-2DUP	2225926-05DUP	Water	10/28/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Chromium by Environmental Protection Agency (EPA) Method 200.8

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. ICPMS Tune

The mass calibration was within 0.1 AMU and the percent relative standard deviation (%RSD) was less than or equal to 5%.

III. Instrument Calibration

Initial and continuing calibrations were performed as required by the method.

The initial calibration verification (ICV) and continuing calibration verification (CCV) standards were within QC limits.

IV. ICP Interference Check Sample Analysis

Interference check sample (ICS) analysis was not required by the method.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample EB-5-102822 was identified as an equipment blank. No contaminants were found.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

IX. Serial Dilution

Serial dilution analysis was performed on an associated project sample. Percent differences (%D) were within QC limits.

X. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

XI. Field Duplicates

No field duplicates were identified in this SDG.

XII. Internal Standards (ICP-MS)

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable.

NASA JPL, 4Q2022
Chromium - Data Qualification Summary - SDG 2225926

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Laboratory Blank Data Qualification Summary - SDG 2225926

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Field Blank Data Qualification Summary - SDG 2225926

No Sample Data Qualified in this SDG

LDC #: 55577A4a **VALIDATION COMPLETENESS WORKSHEET** Date: 3/3/23
SDG #: 2225926 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer:

METHOD: Chromium (EPA Method 200.8)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	ICP/MS Tune	A	
III.	Instrument Calibration	A	
IV.	ICP Interference Check Sample (ICS) Analysis	N	Not Required
V.	Laboratory Blanks	A	
VI.	Field Blanks	ND	EB=6
VII.	Matrix Spike/Matrix Spike Duplicates	A	MS/MSD
VIII.	Duplicate sample analysis	A	
IX.	Serial Dilution	A	
X.	Laboratory control samples	A	LCS
XI.	Field Duplicates	N	
XII.	Internal Standard (ICP-MS)	N	
XIII.	Target Analyte Quantitation	N	
XIV.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-23-5	2225926-02	Water	10/28/22
2	MW-23-4	2225926-03	Water	10/28/22
3	MW-23-3	2225926-04	Water	10/28/22
4	MW-23-2	2225926-05	Water	10/28/22
5	MW-26-2	2225926-06	Water	10/28/22
6	EB-5-102822	2225926-07	Water	10/28/22
7	MW-23-2MS	2225926-05MS	Water	10/28/22
8	MW-23-2MSD	2225926-05MSD	Water	10/28/22
9	MW-23-2DUP	2225926-05DUP	Water	10/28/22
10				
11				
12				
13				

Notes:

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 6, 2023

Parameters: Wet Chemistry

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225926

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-23-5	2225926-02	Water	10/28/22
MW-23-4	2225926-03	Water	10/28/22
MW-23-3	2225926-04	Water	10/28/22
MW-23-2	2225926-05	Water	10/28/22
MW-26-2	2225926-06	Water	10/28/22
EB-5-102822	2225926-07	Water	10/28/22
MW-23-2MS	2225926-05MS	Water	10/28/22
MW-23-2MSD	2225926-05MSD	Water	10/28/22
MW-23-2DUP	2225926-05DUP	Water	10/28/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Hexavalent Chromium by Environmental Protection Agency (EPA) Method 218.6
Perchlorate by EPA Method 314.0

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
MW-26-2	Hexavalent chromium	121 hours	24 hours	J (all detects)	P
EB-5-102822	Hexavalent chromium	121 hours	24 hours	J (all detects)	P

II. Initial Calibration

All criteria for the initial calibration of each method were met.

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks.

V. Field Blanks

Sample EB-5-102822 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
EB-5-102822	10/28/22	Hexavalent chromium	0.000055 mg/L	MW-23-5 MW-23-4 MW-23-3 MW-23-2 MW-26-2

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-23-5	Hexavalent chromium	0.000073 mg/L	0.000073U mg/L

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

Due to technical holding time, data were qualified as estimated in two samples.

Due to equipment blank contamination, data were qualified as not detected in one sample.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Wet Chemistry - Data Qualification Summary - SDG 2225926

Sample	Analyte	Flag	A or P	Reason
MW-26-2 EB-5-102822	Hexavalent chromium	J (all detects)	P	Technical holding times

NASA JPL, 4Q2022
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 2225926

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Wet Chemistry - Field Blank Data Qualification Summary - SDG 2225926

Sample	Analyte	Modified Final Concentration	A or P
MW-23-5	Hexavalent chromium	0.000073U mg/L	A

LDC #: 55577A6 **VALIDATION COMPLETENESS WORKSHEET** Date: 3/3/23
SDG #: 2225926 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer:

METHOD: (Analyte) Hexavalent Chromium (EPA Method 218.6), Perchlorate (EPA Method 314.0)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A SW	
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	A	
V	Field blanks	SW	EB=6
VI.	Matrix Spike/Matrix Spike Duplicates	A	MS/MSD
VII.	Duplicate sample analysis	A	
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	N	
X.	Target Analyte Quantitation	N	
XI	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank
SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-23-5	2225926-02	Water	10/28/22
2	MW-23-4	2225926-03	Water	10/28/22
3	MW-23-3	2225926-04	Water	10/28/22
4	MW-23-2	2225926-05	Water	10/28/22
5	MW-26-2	2225926-06	Water	10/28/22
6	EB-5-102822	2225926-07	Water	10/28/22
7	MW-23-2MS	2225926-05MS	Water	10/28/22
8	MW-23-2MSD	2225926-05MSD	Water	10/28/22
9	MW-23-2DUP	2225926-05DUP	Water	10/28/22
10				
11				
12				
13				
14				
15				
16				

Notes:

Sample Specific Element Reference Reviewer: Jada Morales

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1-5	Cr(VI),CLO4
QC:	
7-9	Cr(VI),CLO4

Holding Time

METHOD: Inorganics

All samples were properly preserved and within the requried holding time with the following exceptions:

		Method: 218.6 Analyte: Hexavalent Chromium Holding Time: 24 Hours			
Sample ID	**Sampling Date**	**Analysis Date**	**Total Time from Collection to Analysis**	**Qualifier**	**Det/ND**
5	10/28/2022 12:00	11/2/2022 13:59	121	J/R/P	Det
6	10/28/2022 12:15	11/2/2022 14:09	121	J/R/P	Det
pH < 9.3					

Preservation

Sample ID	**Preservation**	**Preservation Requirement (pH)**	**Qualifier**	**Det/ND**

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: Jada Morales

METHOD: Inorganics

Blank units: mg/L Associated sample units: mg/L
Sampling Date: 10/28/2022 Associated Samples: 1-5

			Sample Identification						
Analyte	Blank ID	Action Level	1						
	6								
Cr(VI)	0.000055	0.000275	0.000073 U						

Comments: The action level, when applicable, is establised at 5X the highest concentration.

NASA JPL 4Q2022 - LDC 55577

SDG: 2225926

Analytical Method EPA-200.8

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
EB-5-102822	2225926-07	Total Recoverable Chromium	11/9/2022	3	Y	n	u		3.0	0.50	ug/L
MW-23-2	2225926-05	Total Recoverable Chromium	11/9/2022	1.9	Y	y	v j		3.0	0.50	ug/L
MW-23-3	2225926-04	Total Recoverable Chromium	11/9/2022	2.7	Y	y	v j		3.0	0.50	ug/L
MW-23-4	2225926-03	Total Recoverable Chromium	11/9/2022	4.2	Y	y	v		3.0	0.50	ug/L
MW-23-5	2225926-02	Total Recoverable Chromium	11/9/2022	3	Y	n	u		3.0	0.50	ug/L
MW-26-2	2225926-06	Total Recoverable Chromium	11/9/2022	1.8	Y	y	v j		3.0	0.50	ug/L

Analytical Method EPA-218.6

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
EB-5-102822	2225926-07	Hexavalent Chromium	11/2/2022	######	Y	y	v j	J	0.0002	0.0000	mg/L
MW-23-2	2225926-05	Hexavalent Chromium	11/2/2022	0.0019	Y	y	v		0.0002	0.0000	mg/L
MW-23-3	2225926-04	Hexavalent Chromium	11/2/2022	0.0027	Y	y	v		0.0002	0.0000	mg/L
MW-23-4	2225926-03	Hexavalent Chromium	11/2/2022	0.0041	Y	y	v		0.0002	0.0000	mg/L
MW-23-5	2225926-02	Hexavalent Chromium	11/2/2022	######	Y	y	v j	U	0.0002	0.0000	mg/L
MW-26-2	2225926-06	Hexavalent Chromium	11/2/2022	######	Y	y	v	J	0.0002	0.0000	mg/L

Analytical Method EPA-314.0

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
EB-5-102822	2225926-07	Perchlorate	11/9/2022	2	Y	n	u		2.0	0.81	ug/L
MW-23-2	2225926-05	Perchlorate	11/9/2022	5.2	Y	y	v		2.0	0.81	ug/L
MW-23-3	2225926-04	Perchlorate	11/9/2022	4.6	Y	y	v		2.0	0.81	ug/L
MW-23-4	2225926-03	Perchlorate	11/9/2022	1.9	Y	y	v j		2.0	0.81	ug/L
MW-23-5	2225926-02	Perchlorate	11/9/2022	2	Y	n	u		2.0	0.81	ug/L
MW-26-2	2225926-06	Perchlorate	11/9/2022	2.4	Y	y	v		2.0	0.81	ug/L

SDG: 2225926

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
EB-5-102822	2225926-07	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-5-102822	2225926-07	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-5-102822	2225926-07	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
EB-5-102822	2225926-07	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
EB-5-102822	2225926-07	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
EB-5-102822	2225926-07	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
EB-5-102822	2225926-07	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
EB-5-102822	2225926-07	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-5-102822	2225926-07	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-5-102822	2225926-07	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-5-102822	2225926-07	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-5-102822	2225926-07	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-5-102822	2225926-07	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
EB-5-102822	2225926-07	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
EB-5-102822	2225926-07	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-5-102822	2225926-07	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-5-102822	2225926-07	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-5-102822	2225926-07	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
EB-5-102822	2225926-07	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
EB-5-102822	2225926-07	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
EB-5-102822	2225926-07	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
EB-5-102822	2225926-07	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
EB-5-102822	2225926-07	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
EB-5-102822	2225926-07	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
EB-5-102822	2225926-07	Toluene-d8 (Surrogate)	11/7/2022	9.9	Y	y	v s				ug/L

SDG: 2225926

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
EB-5-102822	2225926-07	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
EB-5-102822	2225926-07	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
EB-5-102822	2225926-07	4-Bromofluorobenzene (Surrogate)	11/7/2022	9.3	Y	y	v s				ug/L
EB-5-102822	2225926-07	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
EB-5-102822	2225926-07	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-5-102822	2225926-07	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
EB-5-102822	2225926-07	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-5-102822	2225926-07	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
EB-5-102822	2225926-07	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
EB-5-102822	2225926-07	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-5-102822	2225926-07	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
EB-5-102822	2225926-07	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
EB-5-102822	2225926-07	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-5-102822	2225926-07	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-5-102822	2225926-07	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-5-102822	2225926-07	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-5-102822	2225926-07	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
EB-5-102822	2225926-07	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
EB-5-102822	2225926-07	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
EB-5-102822	2225926-07	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
EB-5-102822	2225926-07	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-5-102822	2225926-07	t-Butyl alcohol	11/7/2022	2	Y	n	u	UJ	2.0	2.0	ug/L
EB-5-102822	2225926-07	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
EB-5-102822	2225926-07	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
EB-5-102822	2225926-07	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L

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EB-5-102822	2225926-07	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
EB-5-102822	2225926-07	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
EB-5-102822	2225926-07	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
EB-5-102822	2225926-07	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
EB-5-102822	2225926-07	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
EB-5-102822	2225926-07	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
EB-5-102822	2225926-07	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
EB-5-102822	2225926-07	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
EB-5-102822	2225926-07	Pentachloroethane	11/7/2022	2	Y	n	u		2.0	0.63	ug/L
EB-5-102822	2225926-07	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.7	Y	y	v s				ug/L
EB-5-102822	2225926-07	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-5-102822	2225926-07	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
EB-5-102822	2225926-07	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-5-102822	2225926-07	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
EB-5-102822	2225926-07	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
EB-5-102822	2225926-07	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
EB-5-102822	2225926-07	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-5-102822	2225926-07	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-5-102822	2225926-07	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
EB-5-102822	2225926-07	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-5-102822	2225926-07	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
EB-5-102822	2225926-07	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-5-102822	2225926-07	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-5-102822	2225926-07	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-5-102822	2225926-07	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L

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EB-5-102822	2225926-07	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
EB-5-102822	2225926-07	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
EB-5-102822	2225926-07	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-5-102822	2225926-07	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-5-102822	2225926-07	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-5-102822	2225926-07	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-5-102822	2225926-07	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
EB-5-102822	2225926-07	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-5-102822	2225926-07	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-5-102822	2225926-07	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-5-102822	2225926-07	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-5-102822	2225926-07	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-5-102822	2225926-07	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-5-102822	2225926-07	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-5-102822	2225926-07	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-23-2	2225926-05	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-23-2	2225926-05	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-23-2	2225926-05	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
MW-23-2	2225926-05	t-Butyl alcohol	11/7/2022	2	Y	n	u	UJ	2.0	2.0	ug/L
MW-23-2	2225926-05	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-2	2225926-05	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-23-2	2225926-05	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
MW-23-2	2225926-05	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
MW-23-2	2225926-05	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-23-2	2225926-05	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L

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MW-23-2	2225926-05	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-2	2225926-05	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-2	2225926-05	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-2	2225926-05	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
MW-23-2	2225926-05	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-2	2225926-05	Trichloroethene	11/7/2022	0.76	Y	y	v		0.50	0.19	ug/L
MW-23-2	2225926-05	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-2	2225926-05	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-2	2225926-05	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-2	2225926-05	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-2	2225926-05	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-2	2225926-05	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-23-2	2225926-05	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-2	2225926-05	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.9	Y	y	v s				ug/L
MW-23-2	2225926-05	Toluene-d8 (Surrogate)	11/7/2022	9.8	Y	y	v s				ug/L
MW-23-2	2225926-05	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-2	2225926-05	Tetrachloroethene	11/7/2022	0.33	Y	y	v j		0.50	0.23	ug/L
MW-23-2	2225926-05	4-Bromofluorobenzene (Surrogate)	11/7/2022	9.2	Y	y	v s				ug/L
MW-23-2	2225926-05	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
MW-23-2	2225926-05	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-23-2	2225926-05	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-23-2	2225926-05	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
MW-23-2	2225926-05	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-23-2	2225926-05	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-23-2	2225926-05	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L

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MW-23-2	2225926-05	Pentachloroethane	11/7/2022	2	Y	n	u		2.0	0.63	ug/L
MW-23-2	2225926-05	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
MW-23-2	2225926-05	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-23-2	2225926-05	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-23-2	2225926-05	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-23-2	2225926-05	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
MW-23-2	2225926-05	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-23-2	2225926-05	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-23-2	2225926-05	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
MW-23-2	2225926-05	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-2	2225926-05	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-2	2225926-05	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-2	2225926-05	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-23-2	2225926-05	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
MW-23-2	2225926-05	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-23-2	2225926-05	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-23-2	2225926-05	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-2	2225926-05	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-23-2	2225926-05	Chloroform	11/7/2022	0.46	Y	y	v j		0.50	0.14	ug/L
MW-23-2	2225926-05	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-2	2225926-05	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-2	2225926-05	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-23-2	2225926-05	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-23-2	2225926-05	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-2	2225926-05	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L

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MW-23-2	2225926-05	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-23-2	2225926-05	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-23-2	2225926-05	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-23-2	2225926-05	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-23-2	2225926-05	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-2	2225926-05	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-23-2	2225926-05	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-2	2225926-05	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-2	2225926-05	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-2	2225926-05	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-23-2	2225926-05	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-23-2	2225926-05	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-23-2	2225926-05	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-2	2225926-05	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-2	2225926-05	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-2	2225926-05	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-2	2225926-05	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-23-2	2225926-05	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-2	2225926-05	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-2	2225926-05	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-2	2225926-05	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-2	2225926-05	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-23-2	2225926-05	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-2	2225926-05	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-2	2225926-05	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L

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MW-23-2	2225926-05	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-23-2	2225926-05	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-23-2	2225926-05	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-2	2225926-05	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-23-2	2225926-05	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-23-3	2225926-04	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-23-3	2225926-04	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-3	2225926-04	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-23-3	2225926-04	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-3	2225926-04	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-3	2225926-04	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-3	2225926-04	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-3	2225926-04	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-3	2225926-04	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-23-3	2225926-04	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-23-3	2225926-04	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-3	2225926-04	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-3	2225926-04	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-3	2225926-04	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-23-3	2225926-04	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-3	2225926-04	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-3	2225926-04	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-3	2225926-04	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-3	2225926-04	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-23-3	2225926-04	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-23-3	2225926-04	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-3	2225926-04	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-23-3	2225926-04	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-3	2225926-04	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-3	2225926-04	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-23-3	2225926-04	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-3	2225926-04	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-23-3	2225926-04	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-23-3	2225926-04	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-23-3	2225926-04	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-23-3	2225926-04	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-3	2225926-04	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-3	2225926-04	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-23-3	2225926-04	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-3	2225926-04	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-23-3	2225926-04	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-3	2225926-04	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-3	2225926-04	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-23-3	2225926-04	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-3	2225926-04	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-23-3	2225926-04	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-23-3	2225926-04	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
MW-23-3	2225926-04	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-23-3	2225926-04	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-23-3	2225926-04	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-23-3	2225926-04	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-3	2225926-04	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-23-3	2225926-04	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
MW-23-3	2225926-04	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-23-3	2225926-04	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-23-3	2225926-04	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-23-3	2225926-04	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
MW-23-3	2225926-04	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-23-3	2225926-04	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-23-3	2225926-04	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-23-3	2225926-04	t-Butyl alcohol	11/7/2022	2	Y	n	u	UJ	2.0	2.0	ug/L
MW-23-3	2225926-04	Pentachloroethane	11/7/2022	2	Y	n	u		2.0	0.63	ug/L
MW-23-3	2225926-04	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
MW-23-3	2225926-04	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
MW-23-3	2225926-04	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-23-3	2225926-04	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-3	2225926-04	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.8	Y	y	v s				ug/L
MW-23-3	2225926-04	Toluene-d8 (Surrogate)	11/7/2022	9.9	Y	y	v s				ug/L
MW-23-3	2225926-04	4-Bromofluorobenzene (Surrogate)	11/7/2022	9.1	Y	y	v s				ug/L
MW-23-3	2225926-04	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-23-3	2225926-04	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
MW-23-3	2225926-04	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-23-3	2225926-04	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-23-3	2225926-04	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-3	2225926-04	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-23-3	2225926-04	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-3	2225926-04	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-3	2225926-04	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-3	2225926-04	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-3	2225926-04	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-23-3	2225926-04	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-3	2225926-04	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
MW-23-3	2225926-04	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-3	2225926-04	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-3	2225926-04	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-3	2225926-04	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-23-3	2225926-04	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
MW-23-3	2225926-04	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
MW-23-3	2225926-04	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-23-3	2225926-04	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-3	2225926-04	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-3	2225926-04	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-23-3	2225926-04	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-23-3	2225926-04	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-23-3	2225926-04	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
MW-23-4	2225926-03	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-4	2225926-03	t-Butyl alcohol	11/7/2022	2	Y	n	u	UJ	2.0	2.0	ug/L
MW-23-4	2225926-03	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-4	2225926-03	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-23-4	2225926-03	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-23-4	2225926-03	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
MW-23-4	2225926-03	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-23-4	2225926-03	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-4	2225926-03	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-4	2225926-03	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-4	2225926-03	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
MW-23-4	2225926-03	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-23-4	2225926-03	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-4	2225926-03	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
MW-23-4	2225926-03	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-4	2225926-03	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-4	2225926-03	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-4	2225926-03	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-4	2225926-03	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-23-4	2225926-03	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-4	2225926-03	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-4	2225926-03	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-4	2225926-03	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
MW-23-4	2225926-03	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-23-4	2225926-03	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-23-4	2225926-03	4-Bromofluorobenzene (Surrogate)	11/7/2022	9.1	Y	y	v s				ug/L
MW-23-4	2225926-03	Toluene-d8 (Surrogate)	11/7/2022	9.9	Y	y	v s				ug/L
MW-23-4	2225926-03	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.9	Y	y	v s				ug/L
MW-23-4	2225926-03	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-4	2225926-03	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-23-4	2225926-03	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
MW-23-4	2225926-03	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-23-4	2225926-03	Pentachloroethane	11/7/2022	2	Y	n	u		2.0	0.63	ug/L
MW-23-4	2225926-03	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-23-4	2225926-03	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-23-4	2225926-03	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-23-4	2225926-03	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-23-4	2225926-03	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
MW-23-4	2225926-03	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-23-4	2225926-03	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-23-4	2225926-03	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-23-4	2225926-03	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-4	2225926-03	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-23-4	2225926-03	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
MW-23-4	2225926-03	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-4	2225926-03	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-23-4	2225926-03	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-23-4	2225926-03	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
MW-23-4	2225926-03	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-23-4	2225926-03	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-23-4	2225926-03	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-4	2225926-03	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-23-4	2225926-03	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-4	2225926-03	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-4	2225926-03	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-23-4	2225926-03	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-23-4	2225926-03	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-23-4	2225926-03	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-4	2225926-03	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-4	2225926-03	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-23-4	2225926-03	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-23-4	2225926-03	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-23-4	2225926-03	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-23-4	2225926-03	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-4	2225926-03	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-23-4	2225926-03	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-4	2225926-03	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-23-4	2225926-03	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-23-4	2225926-03	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-23-4	2225926-03	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-4	2225926-03	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-4	2225926-03	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-4	2225926-03	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-23-4	2225926-03	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-4	2225926-03	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-4	2225926-03	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-23-4	2225926-03	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-4	2225926-03	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-23-4	2225926-03	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-4	2225926-03	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-23-4	2225926-03	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-4	2225926-03	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-23-4	2225926-03	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-23-4	2225926-03	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-4	2225926-03	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-4	2225926-03	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-4	2225926-03	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-4	2225926-03	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-4	2225926-03	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
MW-23-4	2225926-03	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
MW-23-5	2225926-02	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-5	2225926-02	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-5	2225926-02	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-5	2225926-02	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-5	2225926-02	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-23-5	2225926-02	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-23-5	2225926-02	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-5	2225926-02	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-5	2225926-02	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-5	2225926-02	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-23-5	2225926-02	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-5	2225926-02	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-5	2225926-02	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-5	2225926-02	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-23-5	2225926-02	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L

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MW-23-5	2225926-02	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-5	2225926-02	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-5	2225926-02	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-5	2225926-02	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-23-5	2225926-02	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-23-5	2225926-02	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-5	2225926-02	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-5	2225926-02	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-23-5	2225926-02	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-23-5	2225926-02	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-5	2225926-02	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-23-5	2225926-02	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-23-5	2225926-02	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-23-5	2225926-02	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-23-5	2225926-02	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-5	2225926-02	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-5	2225926-02	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-5	2225926-02	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-5	2225926-02	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-23-5	2225926-02	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-5	2225926-02	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-5	2225926-02	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-23-5	2225926-02	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-5	2225926-02	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-23-5	2225926-02	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L

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MW-23-5	2225926-02	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
MW-23-5	2225926-02	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-23-5	2225926-02	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-23-5	2225926-02	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-5	2225926-02	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-23-5	2225926-02	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-23-5	2225926-02	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-23-5	2225926-02	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-23-5	2225926-02	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
MW-23-5	2225926-02	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-23-5	2225926-02	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-23-5	2225926-02	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-23-5	2225926-02	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
MW-23-5	2225926-02	Pentachloroethane	11/7/2022	2	Y	n	u		2.0	0.63	ug/L
MW-23-5	2225926-02	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-23-5	2225926-02	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
MW-23-5	2225926-02	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
MW-23-5	2225926-02	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-23-5	2225926-02	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.7	Y	y	v s				ug/L
MW-23-5	2225926-02	Toluene-d8 (Surrogate)	11/7/2022	9.9	Y	y	v s				ug/L
MW-23-5	2225926-02	4-Bromofluorobenzene (Surrogate)	11/7/2022	9.3	Y	y	v s				ug/L
MW-23-5	2225926-02	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
MW-23-5	2225926-02	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-23-5	2225926-02	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-23-5	2225926-02	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L

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MW-23-5	2225926-02	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-23-5	2225926-02	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
MW-23-5	2225926-02	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-5	2225926-02	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-23-5	2225926-02	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-23-5	2225926-02	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-5	2225926-02	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-23-5	2225926-02	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-5	2225926-02	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-5	2225926-02	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-5	2225926-02	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-5	2225926-02	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-23-5	2225926-02	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-5	2225926-02	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-23-5	2225926-02	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-23-5	2225926-02	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-23-5	2225926-02	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
MW-23-5	2225926-02	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
MW-23-5	2225926-02	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-23-5	2225926-02	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-23-5	2225926-02	t-Butyl alcohol	11/7/2022	2	Y	n	u	UJ	2.0	2.0	ug/L
MW-23-5	2225926-02	Carbon disulfide	11/7/2022	0.64	Y	y	v		0.50	0.48	ug/L
MW-23-5	2225926-02	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-23-5	2225926-02	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-23-5	2225926-02	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L

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MW-26-2	2225926-06	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-26-2	2225926-06	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-26-2	2225926-06	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-26-2	2225926-06	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-26-2	2225926-06	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-26-2	2225926-06	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-26-2	2225926-06	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-26-2	2225926-06	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-26-2	2225926-06	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-26-2	2225926-06	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-26-2	2225926-06	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-26-2	2225926-06	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-26-2	2225926-06	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-26-2	2225926-06	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-26-2	2225926-06	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-26-2	2225926-06	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-26-2	2225926-06	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-26-2	2225926-06	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-26-2	2225926-06	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-26-2	2225926-06	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-26-2	2225926-06	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-26-2	2225926-06	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-26-2	2225926-06	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-26-2	2225926-06	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-26-2	2225926-06	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L

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MW-26-2	2225926-06	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-26-2	2225926-06	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-26-2	2225926-06	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-26-2	2225926-06	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-26-2	2225926-06	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-26-2	2225926-06	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-26-2	2225926-06	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-26-2	2225926-06	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-26-2	2225926-06	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-26-2	2225926-06	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-26-2	2225926-06	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-26-2	2225926-06	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-26-2	2225926-06	Chloroform	11/7/2022	1.4	Y	y	v		0.50	0.14	ug/L
MW-26-2	2225926-06	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-26-2	2225926-06	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-26-2	2225926-06	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-26-2	2225926-06	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-26-2	2225926-06	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
MW-26-2	2225926-06	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-26-2	2225926-06	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-26-2	2225926-06	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
MW-26-2	2225926-06	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-26-2	2225926-06	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
MW-26-2	2225926-06	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-26-2	2225926-06	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L

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MW-26-2	2225926-06	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-26-2	2225926-06	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
MW-26-2	2225926-06	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-26-2	2225926-06	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-26-2	2225926-06	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-26-2	2225926-06	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-26-2	2225926-06	Pentachloroethane	11/7/2022	2	Y	n	u		2.0	0.63	ug/L
MW-26-2	2225926-06	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-26-2	2225926-06	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
MW-26-2	2225926-06	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-26-2	2225926-06	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-26-2	2225926-06	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.7	Y	y	v s				ug/L
MW-26-2	2225926-06	Toluene-d8 (Surrogate)	11/7/2022	10	Y	y	v s				ug/L
MW-26-2	2225926-06	4-Bromofluorobenzene (Surrogate)	11/7/2022	9.1	Y	y	v s				ug/L
MW-26-2	2225926-06	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-26-2	2225926-06	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-26-2	2225926-06	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-26-2	2225926-06	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
MW-26-2	2225926-06	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
MW-26-2	2225926-06	Tetrachloroethene	11/7/2022	1.5	Y	y	v		0.50	0.23	ug/L
MW-26-2	2225926-06	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-26-2	2225926-06	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-26-2	2225926-06	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-26-2	2225926-06	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-26-2	2225926-06	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L

SDG: 2225926

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-26-2	2225926-06	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-26-2	2225926-06	Trichloroethene	11/7/2022	0.26	Y	y	v j		0.50	0.19	ug/L
MW-26-2	2225926-06	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-26-2	2225926-06	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
MW-26-2	2225926-06	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-26-2	2225926-06	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-26-2	2225926-06	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-26-2	2225926-06	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-26-2	2225926-06	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
MW-26-2	2225926-06	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
MW-26-2	2225926-06	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-26-2	2225926-06	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-26-2	2225926-06	t-Butyl alcohol	11/7/2022	2	Y	n	u	UJ	2.0	2.0	ug/L
MW-26-2	2225926-06	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-26-2	2225926-06	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-5-102822	2225926-01	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-5-102822	2225926-01	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-5-102822	2225926-01	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-5-102822	2225926-01	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-5-102822	2225926-01	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-5-102822	2225926-01	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-5-102822	2225926-01	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-5-102822	2225926-01	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-5-102822	2225926-01	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-5-102822	2225926-01	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L

SDG: 2225926

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-5-102822	2225926-01	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-5-102822	2225926-01	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-5-102822	2225926-01	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-5-102822	2225926-01	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
TB-5-102822	2225926-01	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-5-102822	2225926-01	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-5-102822	2225926-01	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
TB-5-102822	2225926-01	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
TB-5-102822	2225926-01	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-5-102822	2225926-01	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-5-102822	2225926-01	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
TB-5-102822	2225926-01	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-5-102822	2225926-01	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-5-102822	2225926-01	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-5-102822	2225926-01	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
TB-5-102822	2225926-01	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
TB-5-102822	2225926-01	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
TB-5-102822	2225926-01	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-5-102822	2225926-01	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-5-102822	2225926-01	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-5-102822	2225926-01	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-5-102822	2225926-01	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-5-102822	2225926-01	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-5-102822	2225926-01	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-5-102822	2225926-01	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L

SDG: 2225926

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-5-102822	2225926-01	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-5-102822	2225926-01	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
TB-5-102822	2225926-01	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
TB-5-102822	2225926-01	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
TB-5-102822	2225926-01	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
TB-5-102822	2225926-01	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
TB-5-102822	2225926-01	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-5-102822	2225926-01	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
TB-5-102822	2225926-01	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-5-102822	2225926-01	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-5-102822	2225926-01	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
TB-5-102822	2225926-01	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
TB-5-102822	2225926-01	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
TB-5-102822	2225926-01	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
TB-5-102822	2225926-01	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
TB-5-102822	2225926-01	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
TB-5-102822	2225926-01	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
TB-5-102822	2225926-01	Pentachloroethane	11/7/2022	2	Y	n	u		2.0	0.63	ug/L
TB-5-102822	2225926-01	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
TB-5-102822	2225926-01	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
TB-5-102822	2225926-01	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
TB-5-102822	2225926-01	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
TB-5-102822	2225926-01	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.6	Y	y	v s				ug/L
TB-5-102822	2225926-01	Toluene-d8 (Surrogate)	11/7/2022	9.7	Y	y	v s				ug/L
TB-5-102822	2225926-01	4-Bromofluorobenzene (Surrogate)	11/7/2022	9.2	Y	y	v s				ug/L

SDG: 2225926

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-5-102822	2225926-01	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
TB-5-102822	2225926-01	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
TB-5-102822	2225926-01	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
TB-5-102822	2225926-01	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
TB-5-102822	2225926-01	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
TB-5-102822	2225926-01	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-5-102822	2225926-01	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
TB-5-102822	2225926-01	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-5-102822	2225926-01	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
TB-5-102822	2225926-01	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-5-102822	2225926-01	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-5-102822	2225926-01	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-5-102822	2225926-01	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-5-102822	2225926-01	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-5-102822	2225926-01	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-5-102822	2225926-01	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-5-102822	2225926-01	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
TB-5-102822	2225926-01	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-5-102822	2225926-01	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-5-102822	2225926-01	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-5-102822	2225926-01	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-5-102822	2225926-01	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
TB-5-102822	2225926-01	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
TB-5-102822	2225926-01	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
TB-5-102822	2225926-01	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L

SDG: 2225926

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-5-102822	2225926-01	t-Butyl alcohol	11/7/2022	2	Y	n	u	UJ	2.0	2.0	ug/L
TB-5-102822	2225926-01	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
TB-5-102822	2225926-01	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
TB-5-102822	2225926-01	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
TB-5-102822	2225926-01	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Tidewater
3761 Attucks Drive
Powell, OH 43065
ATTN: Mr. David Conner
David.Conner@tideh2o.net

March 14, 2023

SUBJECT: NASA JPL, 4Q2022 - Data Validation

Dear Mr. Conner,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on December 12, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #55578:

SDG #	**Fraction**
2225833	Volatiles, Chromium, Wet Chemistry

The data validation was performed under Level III guidelines. The analysis was validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2017)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017)

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

314 pages-ADV

Attachment 1

90/10 III/IV (lab select) EDD

LDC# 55578 (Tidewater - Powell, OH / NASA JPL, 4Q2022)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (524.2)		Cr (200.8)		Cr(VI) (218.6)		CLO_4 (314.0)																									
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	2225833	12/12/22	01/04/23	13	0	12	0	12	0	12	0																								
Total	TR/PG			13	0	12	0	12	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49

Shaded cells indicate Level IV validation (all other cells are Level III validation). These sample counts do not include MS/MSD, and DUPs

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Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: January 3, 2023

Parameters: Volatiles

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225833

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
TB-2-102522	2225833-01	Water	10/28/22
MW-14-5	2225833-02	Water	10/28/22
MW-14-4	2225833-03	Water	10/28/22
MW-14-3	2225833-04	Water	10/28/22
DUP-2-4Q22	2225833-05	Water	10/28/22
MW-14-2	2225833-06	Water	10/28/22
MW-25-5	2225833-07	Water	10/28/22
MW-25-4	2225833-08	Water	10/28/22
MW-25-3	2225833-09	Water	10/28/22
MW-25-2	2225833-10	Water	10/28/22
DUP-3-4Q22	2225833-11	Water	10/28/22
MW-25-1	2225833-12	Water	10/28/22
EB-2-102522	2225833-13	Water	10/28/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method 524.2

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
11/04/22 (04:29)	Bromomethane	49.9	TB-2-102522 MW-14-5 MW-14-4 MW-14-3 DUP-2-4Q22 MW-14-2 MW-25-5	UJ (all non-detects)	P
11/04/22 (04:53)	Allyl chloride Carbon disulfide trans-1,4-Dichloro-2-butene Methyl Iodide Pentachloroethane	32.9 46.3 34.7 80.6 94.4	TB-2-102522 MW-14-5 MW-14-4 MW-14-3 DUP-2-4Q22 MW-14-2 MW-25-5	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P

Date	Analyte	%D	Associated Samples	Flag	A or P
11/04/22 (12:43)	Bromomethane	60.9	MW-25-4 MW-25-3 MW-25-2 DUP-3-4Q22 MW-25-1 EB-2-102522	UJ (all non-detects)	P
11/04/22 (13:07)	Carbon disulfide Methyl Iodide	30.8 74.1	MW-25-4 MW-25-3 MW-25-2 DUP-3-4Q22 MW-25-1 EB-2-102522	UJ (all non-detects) UJ (all non-detects)	P

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TB-2-102522 was identified as a trip blank. No contaminants were found.

Sample EB-2-102522 was identified as an equipment blank. No contaminants were found.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

Samples MW-14-3 and DUP-2-4Q22 and samples MW-25-2 and DUP-3-4Q22 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (ug/L)		RPD
	MW-14-3	DUP-2-4Q22	
Chloroform	0.44	0.45	2
1,1-Dichloroethane	0.28	0.25	11
Tetrachloroethene	0.53	0.54	2
Trichloroethene	0.77	0.78	1

Analyte	Concentration (ug/L)		RPD
	MW-25-2	DUP-3-4Q22	
Chloroform	0.17	0.18	6
Tetrachloroethene	0.34	0.28	19
Trichloroethene	0.21	0.22	5

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Targe Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to continuing calibration %D, data were qualified as estimated in thirteen samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Volatiles - Data Qualification Summary - SDG 2225833

Sample	Analyte	Flag	A or P	Reason
TB-2-102522 MW-14-5 MW-14-4 MW-14-3 DUP-2-4Q22 MW-14-2 MW-25-5	Bromomethane Allyl chloride Carbon disulfide trans-1,4-Dichloro-2-butene Methyl Iodide Pentachloroethane	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Continuing calibration (%D)
MW-25-4 MW-25-3 MW-25-2 DUP-3-4Q22 MW-25-1 EB-2-102522	Bromomethane Carbon disulfide Methyl Iodide	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Continuing calibration (%D)

NASA JPL, 4Q2022
Volatiles - Laboratory Blank Data Qualification Summary - SDG 2225833

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Volatiles - Field Blank Data Qualification Summary - SDG 2225833

No Sample Data Qualified in this SDG

LDC #: 55578A1a **VALIDATION COMPLETENESS WORKSHEET** Date: 12/29/22
SDG #: 2225833 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: AT
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	%RSD ≤ 20 ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 30
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	TB = 1 EB
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	LCS
IX.	Laboratory control samples	A	
X.	Field duplicates	SW	D = 4, 5 10, 11
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	
XIII.	Target analyte identification	N	
XIV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	TB-2-102522	2225833-01	Water	10/28/22
2	MW-14-5	2225833-02	Water	10/28/22
3	MW-14-4	2225833-03	Water	10/28/22
4	MW-14-3	2225833-04	Water	10/28/22
5	DUP-2-4Q22	2225833-05	Water	10/28/22
6	MW-14-2	2225833-06	Water	10/28/22
7	MW-25-5	2225833-07	Water	10/28/22
8	MW-25-4	2225833-08	Water	10/28/22
9	MW-25-3	2225833-09	Water	10/28/22
10	MW-25-2	2225833-10	Water	10/28/22
11	DUP-3-4Q22	2225833-11	Water	10/28/22
12	MW-25-1	2225833-12	Water	10/28/22
13	EB-2-102522	2225833-13	Water	10/28/22
14	B152788			
15	B153142			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. Ethylene Dibromide

LDC #: 55578A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method ~~8260~~ 524.2

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ~~≤20.0%~~)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	11/3/22 1655	2220410-CCV3	B	45.3		B152788-BLK	J/UJ/P
	11/3/22 1718	2220410-CCV3	G	32.1		↓	J/UJ/P ↓
			Methyl Iodide	73.2			
	11/4/22 0429	2220410-CCV5	B	49.9		CCB3, 1→7	J/UJ/P ND
	11/4/22 0453	2220410-CCV6	UUUU	32.9		CCB3, 1→7 ↓	J/UJ/P ND ↓
			G	46.3			
			YYYY	34.7			
			Methyl Iodide	80.6			
			ZZZZ	94.4			
	11/4/22 1243	2220534-CCV1	B	60.9		CCB1, 8→13	J/UJ/P ND
	11/4/22 1307	2220534-CCV2	G	30.8		CCB1, 8→13 ↓	J/UJ/P ND ↓
			Methyl Iodide	74.1			

LDC #: 55578A1a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: FT

METHOD: GC/MS VOA (EPA Method ~~8260~~) 524.2

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (ug/L)		RPD (≤ %)	QUAL
	4	5		
K	0.44	0.45	2	
I	0.28	0.25	11	
AA	0.53	0.54	2	
S	0.77	0.78	1	

Compound	Concentration (ug/L)		RPD (≤ %)	QUAL
	10	11		
K	0.17	0.18	6	
AA	0.34	0.28	19	
S	0.21	0.22	5	

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 8, 2023

Parameters: Chromium

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225833

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-14-5	2225833-02	Water	10/25/22
MW-14-4	2225833-03	Water	10/25/22
MW-14-3	2225833-04	Water	10/25/22
DUP-2-4Q22	2225833-05	Water	10/25/22
MW-14-2	2225833-06	Water	10/25/22
MW-25-5	2225833-07	Water	10/25/22
MW-25-4	2225833-08	Water	10/25/22
MW-25-3	2225833-09	Water	10/25/22
MW-25-2	2225833-10	Water	10/25/22
DUP-3-4Q22	2225833-11	Water	10/25/22
MW-25-1	2225833-12	Water	10/25/22
EB-2-102522	2225833-13	Water	10/25/22
MW-14-5MS	2225833-02MS	Water	10/25/22
MW-14-5MSD	2225833-02MSD	Water	10/25/22
MW-14-5DUP	2225833-02DUP	Water	10/25/22
MW-14-2MS	2225833-06MS	Water	10/25/22
MW-14-2MSD	2225833-06MSD	Water	10/25/22
MW-14-2DUP	2225833-06DUP	Water	10/25/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Chromium by Environmental Protection Agency (EPA) Method 200.8

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. ICPMS Tune

The mass calibration was within 0.1 AMU and the percent relative standard deviation (%RSD) was less than or equal to 5%.

III. Instrument Calibration

Initial and continuing calibrations were performed as required by the method.

The initial calibration verification (ICV) and continuing calibration verification (CCV) standards were within QC limits.

IV. ICP Interference Check Sample Analysis

Interference check sample (ICS) analysis was not required by the method.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample EB-2-102522 was identified as an equipment blank. No contaminants were found.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

IX. Serial Dilution

Serial dilution analysis was performed on an associated project sample. Percent differences (%D) were within QC limits.

X. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

XI. Field Duplicates

Samples MW-14-3 and DUP-2-4Q22 and samples MW-25-2 and DUP-3-4Q22 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (ug/L)		RPD
	MW-25-2	DUP-3-4Q22	
Chromium	2.8	3.0	7

XII. Internal Standards (ICP-MS)

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable.

NASA JPL, 4Q2022
Chromium - Data Qualification Summary - SDG 2225833

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Laboratory Blank Data Qualification Summary - SDG 2225833

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Field Blank Data Qualification Summary - SDG 2225833

No Sample Data Qualified in this SDG

LDC #: 55578A4a **VALIDATION COMPLETENESS WORKSHEET** Date: 3/7/23
SDG #: 2225833 Level III Page: 1 of 2
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer:

METHOD: Chromium (EPA Method 200.8)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	ICP/MS Tune	A	
III.	Instrument Calibration	A	
IV.	ICP Interference Check Sample (ICS) Analysis	N	Not Required
V.	Laboratory Blanks	A	
VI.	Field Blanks	ND	EB=12
VII.	Matrix Spike/Matrix Spike Duplicates	A	MS/MSD
VIII.	Duplicate sample analysis	A	
IX.	Serial Dilution	A	
X.	Laboratory control samples	A	LCS
XI.	Field Duplicates	SW	(3,4)*(9,10)
XII.	Internal Standard (ICP-MS)	N	
XIII.	Target Analyte Quantitation	N	
XIV.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; *ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-14-5	2225833-02	Water	10/25/22
2	MW-14-4	2225833-03	Water	10/25/22
3	MW-14-3	2225833-04	Water	10/25/22
4	DUP-2-4Q22	2225833-05	Water	10/25/22
5	MW-14-2	2225833-06	Water	10/25/22
6	MW-25-5	2225833-07	Water	10/25/22
7	MW-25-4	2225833-08	Water	10/25/22
8	MW-25-3	2225833-09	Water	10/25/22
9	MW-25-2	2225833-10	Water	10/25/22
10	DUP-3-4Q22	2225833-11	Water	10/25/22
11	MW-25-1	2225833-12	Water	10/25/22
12	EB-2-102522	2225833-13	Water	10/25/22
13	MW-14-5MS	2225833-02MS	Water	10/25/22
14	MW-14-5MSD	2225833-02MSD	Water	10/25/22
15	MW-14-5DUP	2225833-02DUP	Water	10/25/22

LDC #: 55578A4a **VALIDATION COMPLETENESS WORKSHEET** Date: 3/7/23
SDG #: 2225833 Level III Page: 2 of 2
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JH
2nd Reviewer:

METHOD: Chromium (EPA Method 200.8)

	Client ID	Lab ID	Matrix	Date
16	MW-14-2MS	2225833-06MS	Water	10/~~28~~25/22
17	MW-14-2MSD	2225833-06MSD	Water	10/~~28~~25/22
18	MW-14-2DUP	2225833-06DUP	Water	10/~~28~~25/22
19				
20				
21				

Notes:

Method: Metals

Analyte	Concentration (ug/L)		RPD	Qualifiers (Parents Only)
	9	10		
Chromium	2.8	3.0	7	

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 8, 2023

Parameters: Wet Chemistry

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225833

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-14-5	2225833-02	Water	10/25/22
MW-14-4	2225833-03	Water	10/25/22
MW-14-3	2225833-04	Water	10/25/22
DUP-2-4Q22	2225833-05	Water	10/25/22
MW-14-2	2225833-06	Water	10/25/22
MW-25-5	2225833-07	Water	10/25/22
MW-25-4	2225833-08	Water	10/25/22
MW-25-3	2225833-09	Water	10/25/22
MW-25-2	2225833-10	Water	10/25/22
DUP-3-4Q22	2225833-11	Water	10/25/22
MW-25-1	2225833-12	Water	10/25/22
EB-2-102522	2225833-13	Water	10/25/22
MW-14-5MS	2225833-02MS	Water	10/25/22
MW-14-5MSD	2225833-02MSD	Water	10/25/22
MW-14-5DUP	2225833-02DUP	Water	10/25/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Hexavalent Chromium by Environmental Protection Agency (EPA) Method 218.6
Perchlorate by EPA Method 314.0

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
MW-14-4	Hexavalent chromium	179 hours	24 hours	J (all detects)	P
MW-25-5	Hexavalent chromium	177 hours	24 hours	J (all detects)	P
DUP-3-4Q22	Hexavalent chromium	176 hours	24 hours	J (all detects)	P
MW-25-1 EB-2-102522	Hexavalent chromium	191 hours	24 hours	J (all detects)	P

II. Initial Calibration

All criteria for the initial calibration of each method were met.

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Analyte	Maximum Concentration	Associated Samples
PB (prep blank)	Hexavalent chromium	0.000031 mg/L	MW-14-5 MW-14-4 MW-14-3 DUP-2-4Q22 MW-14-2 MW-25-5 MW-25-4 MW-25-3 MW-25-2 DUP-3-4Q22

Blank ID	Analyte	Maximum Concentration	Associated Samples
ICB/CCB	Hexavalent chromium	0.000047 mg/L	MW-14-5 MW-14-4 MW-14-3 DUP-2-4Q22 MW-14-2 MW-25-5 MW-25-4 MW-25-3 MW-25-2 DUP-3-4Q22

Data qualification by the laboratory blanks was based on the maximum contaminant concentration in the laboratory blanks in the analysis of each analyte. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-14-5	Hexavalent chromium	0.0002 mg/L	0.0002U mg/L
MW-14-3	Hexavalent chromium	0.000095 mg/L	0.000095U mg/L
MW-25-5	Hexavalent chromium	0.000078 mg/L	0.000078U mg/L

V. Field Blanks

Sample EB-2-102522 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
EB-2-102522	10/25/22	Hexavalent chromium	0.000065 mg/L	MW-14-5 MW-14-4 MW-14-3 DUP-2-4Q22 MW-14-2 MW-25-5 MW-25-4 MW-25-3 MW-25-2 DUP-3-4Q22 MW-25-1

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-14-5	Hexavalent chromium	0.0002 mg/L	0.0002U mg/L
MW-14-3	Hexavalent chromium	0.000095 mg/L	0.000095U mg/L
MW-25-5	Hexavalent chromium	0.000078 mg/L	0.000078U mg/L
MW-25-1	Hexavalent chromium	0.00021 mg/L	0.00021U mg/L

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

Samples MW-14-3 and DUP-2-4Q22 and samples MW-25-2 and DUP-3-4Q22 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration		RPD
	MW-14-3	DUP-2-4Q22	
Hexavalent chromium	0.000095 mg/L	0.00043 mg/L	128
Perchlorate	4.0 ug/L	4.0 ug/L	0

Analyte	Concentration		RPD
	MW-25-2	DUP-3-4Q22	
Hexavalent chromium	0.0028 mg/L	0.003 mg/L	7

Analyte	Concentration		RPD
	MW-25-2	DUP-3-4Q22	
Perchlorate	11.0 ug/L	11.0 ug/L	0

X Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

Due to technical holding time, data were qualified as estimated in six samples.

Due to laboratory blank contamination, data were qualified as not detected in three samples.

Due to equipment blank contamination, data were qualified as not detected in four samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Wet Chemistry - Data Qualification Summary - SDG 2225833

Sample	Analyte	Flag	A or P	Reason
MW-14-4 MW-25-5 DUP-3-4Q22 MW-25-1 EB-2-102522	Hexavalent chromium	J (all detects)	P	Technical holding times

NASA JPL, 4Q2022
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 2225833

Sample	Analyte	Modified Final Concentration	A or P
MW-14-5	Hexavalent chromium	0.0002U mg/L	A
MW-14-3	Hexavalent chromium	0.000095U mg/L	A
MW-25-5	Hexavalent chromium	0.000078U mg/L	A

NASA JPL, 4Q2022
Wet Chemistry - Field Blank Data Qualification Summary - SDG 2225833

Sample	Analyte	Modified Final Concentration	A or P
MW-14-5	Hexavalent chromium	0.0002U mg/L	A
MW-14-3	Hexavalent chromium	0.000095U mg/L	A
MW-25-5	Hexavalent chromium	0.000078U mg/L	A
MW-25-1	Hexavalent chromium	0.00021U mg/L	A

LDC #: 55578A6 **VALIDATION COMPLETENESS WORKSHEET** Date: 3/7/23
SDG #: 2225833 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer:

METHOD: (Analyte) Hexavalent Chromium (EPA Method 218.6), Perchlorate (EPA Method 314.0)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, SW	
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	SW	
V	Field blanks	SW	EB=12
VI.	Matrix Spike/Matrix Spike Duplicates	A	MS/MSD
VII.	Duplicate sample analysis	A	
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	SW	(3,4)(9,10)
X.	Target Analyte Quantitation	N	
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-14-5	2225833-02	Water	10/~~28~~25/22
2	MW-14-4	2225833-03	Water	10/~~28~~25/22
3	MW-14-3	2225833-04	Water	10/~~28~~25/22
4	DUP-2-4Q22	2225833-05	Water	10/~~28~~25/22
5	MW-14-2	2225833-06	Water	10/~~28~~25/22
6	MW-25-5	2225833-07	Water	10/~~28~~25/22
7	MW-25-4	2225833-08	Water	10/~~28~~25/22
8	MW-25-3	2225833-09	Water	10/~~28~~25/22
9	MW-25-2	2225833-10	Water	10/~~28~~25/22
10	DUP-3-4Q22	2225833-11	Water	10/~~28~~25/22
11	MW-25-1	2225833-12	Water	10/~~28~~25/22
12	EB-2-102522	2225833-13	Water	10/~~28~~25/22
13	MW-14-5MS	2225833-02MS	Water	10/~~28~~25/22
14	MW-14-5MSD	2225833-02MSD	Water	10/~~28~~25/22
15	MW-14-5DUP	2225833-02DUP	Water	10/~~28~~25/22
16				

Notes:

Sample Specific Element Reference Reviewer: Jada Morales

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1-12	Cr(VI),CLO4
QC:	
13-15	Cr(VI)

Holding Time

METHOD: Inorganics

All samples were properly preserved and within the requried holding time with the following exceptions:

		Method: 218.6 Analyte: Hexavalent Chromium Holding Time: 24 Hours			
Sample ID	**Sampling Date**	**Analysis Date**	**Total Time from Collection to Analysis**	**Qualifier**	**Det/ND**
2	10/25/2022 8:35	11/1/2022 19:47	179	J/R/P	Det
6	10/25/2022 11:20	11/1/2022 20:45	177	J/R/P	Det
10	10/25/2022 13:15	11/1/2022 21:23	176	J/R/P	Det
11	10/25/2022 13:35	11/2/2022 13:11	191	J/R/P	Det
12	10/25/2022 13:40	11/2/2022 13:21	191	J/R/P	Det

Preservation

Sample ID	**Preservation**	**Preservation Requirement (pH)**	**Qualifier**	**Det/ND**

Laboratory Blank Contamination (PB/ICB/CCB) Reviewer: Jada Morales

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: mg/L Associated Samples: 1-10

				Sample Identification								
Analyte	**PB (mg/L)**	**Maximum ICB/CCB (units)**	**Action Level**	1	3	6						
Cr(VI)	0.000031		0.00016	0.0002U	0.000095U	0.000078U						

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: mg/L Associated Samples: 1-10

				Sample Identification								
Analyte	**PB (units)**	**Maximum ICB/CCB (mg/L)**	**Action Level**	3	6							
Cr(VI)		0.000047	0.00024	0.000095U	0.000078U							

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is establised at 5X the highest ICB, CCB, or PB concentration.

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: Jada Morales

METHOD: Inorganics

Blank units: mg/L Associated sample units: mg/L
Sampling Date: 10/25/2022 Associated Samples: 1-11

			Sample Identification								
Analyte	Blank ID	Action Level	1	3	6	11					
	12										
Cr(VI)	0.000065	0.000325	0.0002U	0.000095U	0.000078U	0.00021U					

Comments: The action level, when applicable, is establised at 5X the highest concentration.

Field Duplicates

METHOD: Inorganics

Analyte	Concentration (mg/L)		RPD	Qualifiers (Parents Only)
	3	4		
Hexavalent Chromium	0.000095	0.00043	128	
Perchlorate (ug/L)	4.0	4.0	0	

Analyte	Concentration (mg/L)		RPD	Qualifiers (Parents Only)
	9	10		
Hexavalent Chromium	0.0028	0.003	7	
Perchlorate (ug/L)	11.0	11.0	0	

NASA JPL, 4Q2022 - LDC 55578

SDG: 2225833

Analytical Method EPA-200.8

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-2-4Q22	2225833-05	Total Recoverable Chromium	11/3/2022	3	Y	n	u		3.0	0.50	ug/L
DUP-3-4Q22	2225833-11	Total Recoverable Chromium	11/3/2022	3	Y	y	v		3.0	0.50	ug/L
EB-2-102522	2225833-13	Total Recoverable Chromium	11/3/2022	3	Y	n	u		3.0	0.50	ug/L
MW-14-2	2225833-06	Total Recoverable Chromium	11/3/2022	0.58	Y	y	v j		3.0	0.50	ug/L
MW-14-3	2225833-04	Total Recoverable Chromium	11/3/2022	3	Y	n	u		3.0	0.50	ug/L
MW-14-4	2225833-03	Total Recoverable Chromium	11/3/2022	2.1	Y	y	v j		3.0	0.50	ug/L
MW-14-5	2225833-02	Total Recoverable Chromium	11/3/2022	3	Y	n	u		3.0	0.50	ug/L
MW-25-1	2225833-12	Total Recoverable Chromium	11/3/2022	1.8	Y	y	v j		3.0	0.50	ug/L
MW-25-2	2225833-10	Total Recoverable Chromium	11/3/2022	2.8	Y	y	v j		3.0	0.50	ug/L
MW-25-3	2225833-09	Total Recoverable Chromium	11/3/2022	3.4	Y	y	v		3.0	0.50	ug/L
MW-25-4	2225833-08	Total Recoverable Chromium	11/3/2022	1.2	Y	y	v j		3.0	0.50	ug/L
MW-25-5	2225833-07	Total Recoverable Chromium	11/3/2022	3	Y	n	u		3.0	0.50	ug/L

Analytical Method EPA-218.6

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-2-4Q22	2225833-05	Hexavalent Chromium	11/1/2022	0.00043	Y	y	v		0.0002	0.0000	mg/L
DUP-3-4Q22	2225833-11	Hexavalent Chromium	11/1/2022	0.003	Y	y	v	J	0.0002	0.0000	mg/L
EB-2-102522	2225833-13	Hexavalent Chromium	11/2/2022	0.000065	Y	y	v j	UJ	0.0002	0.0000	mg/L
MW-14-2	2225833-06	Hexavalent Chromium	11/1/2022	0.0002	Y	n	u		0.0002	0.0000	mg/L
MW-14-3	2225833-04	Hexavalent Chromium	11/1/2022	0.000095	Y	y	v j	U	0.0002	0.0000	mg/L
MW-14-4	2225833-03	Hexavalent Chromium	11/1/2022	0.0019	Y	y	v	J	0.0002	0.0000	mg/L
MW-14-5	2225833-02	Hexavalent Chromium	11/1/2022	0.0002	Y	y	v	U	0.0002	0.0000	mg/L
MW-25-1	2225833-12	Hexavalent Chromium	11/2/2022	0.00021	Y	y	v	UJ	0.0002	0.0000	mg/L
MW-25-2	2225833-10	Hexavalent Chromium	11/1/2022	0.0028	Y	y	v		0.0002	0.0000	mg/L

SDG: 2225833

Analytical Method EPA-218.6

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-25-3	2225833-09	Hexavalent Chromium	11/1/2022	0.0035	Y	y	v		0.0002	0.0000	mg/L
MW-25-4	2225833-08	Hexavalent Chromium	11/1/2022	0.0012	Y	y	v		0.0002	0.0000	mg/L
MW-25-5	2225833-07	Hexavalent Chromium	11/1/2022	0.000078	Y	y	v j	UJ	0.0002	0.0000	mg/L

Analytical Method EPA-314.0

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-2-4Q22	2225833-05	Perchlorate	11/7/2022	4	Y	y	v		2.0	0.81	ug/L
DUP-3-4Q22	2225833-11	Perchlorate	11/8/2022	11	Y	y	v		2.0	0.81	ug/L
EB-2-102522	2225833-13	Perchlorate	11/8/2022	2	Y	n	u		2.0	0.81	ug/L
MW-14-2	2225833-06	Perchlorate	11/7/2022	3.2	Y	y	v		2.0	0.81	ug/L
MW-14-3	2225833-04	Perchlorate	11/7/2022	4	Y	y	v		2.0	0.81	ug/L
MW-14-4	2225833-03	Perchlorate	11/7/2022	3.2	Y	y	v		2.0	0.81	ug/L
MW-14-5	2225833-02	Perchlorate	11/7/2022	2	Y	n	u		2.0	0.81	ug/L
MW-25-1	2225833-12	Perchlorate	11/8/2022	7	Y	y	v		2.0	0.81	ug/L
MW-25-2	2225833-10	Perchlorate	11/8/2022	11	Y	y	v		2.0	0.81	ug/L
MW-25-3	2225833-09	Perchlorate	11/8/2022	9.7	Y	y	v		2.0	0.81	ug/L
MW-25-4	2225833-08	Perchlorate	11/7/2022	8.2	Y	y	v		2.0	0.81	ug/L
MW-25-5	2225833-07	Perchlorate	11/7/2022	2	Y	n	u		2.0	0.81	ug/L

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-2-4Q22	2225833-05	trans-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-2-4Q22	2225833-05	Bromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
DUP-2-4Q22	2225833-05	1,3-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
DUP-2-4Q22	2225833-05	1,4-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-2-4Q22	2225833-05	Dichlorodifluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L

SDG: 2225833

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-2-4Q22	2225833-05	1,1-Dichloroethane	11/4/2022	0.25	Y	y	v j		0.50	0.15	ug/L
DUP-2-4Q22	2225833-05	1,2-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-2-4Q22	2225833-05	cis-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
DUP-2-4Q22	2225833-05	1,2-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-2-4Q22	2225833-05	1,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-2-4Q22	2225833-05	1,3-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-2-4Q22	2225833-05	2,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
DUP-2-4Q22	2225833-05	1,1-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-2-4Q22	2225833-05	cis-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-2-4Q22	2225833-05	trans-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-2-4Q22	2225833-05	Ethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-2-4Q22	2225833-05	Hexachlorobutadiene	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
DUP-2-4Q22	2225833-05	1,1-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
DUP-2-4Q22	2225833-05	Chloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-2-4Q22	2225833-05	Benzene	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
DUP-2-4Q22	2225833-05	Bromobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-2-4Q22	2225833-05	1,1,1-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-2-4Q22	2225833-05	Bromodichloromethane	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
DUP-2-4Q22	2225833-05	Isopropylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-2-4Q22	2225833-05	Bromomethane	11/4/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
DUP-2-4Q22	2225833-05	sec-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-2-4Q22	2225833-05	Bromoform	11/4/2022	0.5	Y	n	u		0.50	0.46	ug/L
DUP-2-4Q22	2225833-05	Chlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-2-4Q22	2225833-05	Dibromomethane	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
DUP-2-4Q22	2225833-05	Chloroform	11/4/2022	0.45	Y	y	v j		0.50	0.14	ug/L

SDG: 2225833

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-2-4Q22	2225833-05	Chloromethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
DUP-2-4Q22	2225833-05	2-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-2-4Q22	2225833-05	4-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.093	ug/L
DUP-2-4Q22	2225833-05	Dibromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
DUP-2-4Q22	2225833-05	1,2-Dibromo-3-chloropropane	11/4/2022	1	Y	n	u		1.0	0.89	ug/L
DUP-2-4Q22	2225833-05	1,2-Dibromoethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
DUP-2-4Q22	2225833-05	Carbon tetrachloride	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-2-4Q22	2225833-05	Tetrahydrofuran	11/4/2022	20	Y	n	u		20	5.2	ug/L
DUP-2-4Q22	2225833-05	1,2,3-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-2-4Q22	2225833-05	Ethyl methacrylate	11/4/2022	4	Y	n	u		4.0	1.3	ug/L
DUP-2-4Q22	2225833-05	Ethyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.32	ug/L
DUP-2-4Q22	2225833-05	Hexachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
DUP-2-4Q22	2225833-05	2-Hexanone	11/4/2022	10	Y	n	u		10	5.0	ug/L
DUP-2-4Q22	2225833-05	Methacrylonitrile	11/4/2022	10	Y	n	u		10	2.3	ug/L
DUP-2-4Q22	2225833-05	Methyl ethyl ketone	11/4/2022	5	Y	n	u		5.0	3.3	ug/L
DUP-2-4Q22	2225833-05	Methyl iodide	11/4/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
DUP-2-4Q22	2225833-05	Methyl isobutyl ketone	11/4/2022	5	Y	n	u		5.0	2.4	ug/L
DUP-2-4Q22	2225833-05	Methyl methacrylate	11/4/2022	5	Y	n	u		5.0	1.2	ug/L
DUP-2-4Q22	2225833-05	trans-1,4-Dichloro-2-butene	11/4/2022	5	Y	n	u	UJ	5.0	1.8	ug/L
DUP-2-4Q22	2225833-05	Propionitrile	11/4/2022	20	Y	n	u		20	6.2	ug/L
DUP-2-4Q22	2225833-05	Carbon disulfide	11/4/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
DUP-2-4Q22	2225833-05	p- & m-Xylenes	11/4/2022	0.5	Y	n	u		0.50	0.34	ug/L
DUP-2-4Q22	2225833-05	o-Xylene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-2-4Q22	2225833-05	1,2-Dichloroethane-d4 (Surrogate)	11/4/2022	9.5	Y	y	v s				ug/L
DUP-2-4Q22	2225833-05	Toluene-d8 (Surrogate)	11/4/2022	9.7	Y	y	v s				ug/L

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DUP-2-4Q22	2225833-05	4-Bromofluorobenzene (Surrogate)	11/4/2022	9.6	Y	y	v s				ug/L
DUP-2-4Q22	2225833-05	1,1-Dichloropropanone	11/4/2022	0	Y	y	v				ug/L
DUP-2-4Q22	2225833-05	1-Chlorobutane	11/4/2022	0	Y	y	v				ug/L
DUP-2-4Q22	2225833-05	Methyl acrylate	11/4/2022	0	Y	y	v				ug/L
DUP-2-4Q22	2225833-05	2-Nitropropane	11/4/2022	0	Y	y	v				ug/L
DUP-2-4Q22	2225833-05	Nitrobenzene	11/4/2022	0	Y	y	v				ug/L
DUP-2-4Q22	2225833-05	Chloroacetonitrile	11/4/2022	0	Y	y	v				ug/L
DUP-2-4Q22	2225833-05	Pentachloroethane	11/4/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
DUP-2-4Q22	2225833-05	Trichloroethene	11/4/2022	0.78	Y	y	v		0.50	0.19	ug/L
DUP-2-4Q22	2225833-05	Methylene chloride	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-2-4Q22	2225833-05	Methyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-2-4Q22	2225833-05	Naphthalene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
DUP-2-4Q22	2225833-05	n-Propylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
DUP-2-4Q22	2225833-05	Styrene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
DUP-2-4Q22	2225833-05	1,1,1,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-2-4Q22	2225833-05	1,1,2,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-2-4Q22	2225833-05	Tetrachloroethene	11/4/2022	0.54	Y	y	v		0.50	0.23	ug/L
DUP-2-4Q22	2225833-05	Toluene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-2-4Q22	2225833-05	1,2,4-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-2-4Q22	2225833-05	Diethyl ether	11/4/2022	2	Y	n	u		2.0	0.33	ug/L
DUP-2-4Q22	2225833-05	1,1,2-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-2-4Q22	2225833-05	p-Isopropyltoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-2-4Q22	2225833-05	Trichlorofluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-2-4Q22	2225833-05	1,2,3-Trichloropropane	11/4/2022	1	Y	n	u		1.0	0.78	ug/L
DUP-2-4Q22	2225833-05	1,1,2-Trichloro-1,2,2-trifluoroethane	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L

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DUP-2-4Q22	2225833-05	1,2,4-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-2-4Q22	2225833-05	1,3,5-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-2-4Q22	2225833-05	Vinyl chloride	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
DUP-2-4Q22	2225833-05	Acetone	11/4/2022	10	Y	n	u		10	6.6	ug/L
DUP-2-4Q22	2225833-05	Acrylonitrile	11/4/2022	5	Y	n	u		5.0	1.5	ug/L
DUP-2-4Q22	2225833-05	Allyl chloride	11/4/2022	5	Y	n	u	UJ	5.0	0.47	ug/L
DUP-2-4Q22	2225833-05	t-Amyl Methyl ether	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-2-4Q22	2225833-05	t-Butyl alcohol	11/4/2022	2	Y	n	u		2.0	2.0	ug/L
DUP-2-4Q22	2225833-05	n-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-2-4Q22	2225833-05	tert-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
DUP-3-4Q22	2225833-11	1,1,2,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-3-4Q22	2225833-11	Pentachloroethane	11/4/2022	2	Y	n	u		2.0	0.63	ug/L
DUP-3-4Q22	2225833-11	Trichlorofluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-3-4Q22	2225833-11	Trichloroethene	11/4/2022	0.22	Y	y	v j		0.50	0.19	ug/L
DUP-3-4Q22	2225833-11	1,1,2-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-3-4Q22	2225833-11	1,1,1-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-3-4Q22	2225833-11	1,2,4-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-3-4Q22	2225833-11	1,2,3-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-3-4Q22	2225833-11	Tetrachloroethene	11/4/2022	0.28	Y	y	v j		0.50	0.23	ug/L
DUP-3-4Q22	2225833-11	1,2,4-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-3-4Q22	2225833-11	1,1,1,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-3-4Q22	2225833-11	Styrene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
DUP-3-4Q22	2225833-11	n-Propylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
DUP-3-4Q22	2225833-11	Naphthalene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
DUP-3-4Q22	2225833-11	Methyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L

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DUP-3-4Q22	2225833-11	Methylene chloride	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-3-4Q22	2225833-11	p-Isopropyltoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-3-4Q22	2225833-11	Toluene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-3-4Q22	2225833-11	Diethyl ether	11/4/2022	2	Y	n	u		2.0	0.33	ug/L
DUP-3-4Q22	2225833-11	Methyl methacrylate	11/4/2022	5	Y	n	u		5.0	1.2	ug/L
DUP-3-4Q22	2225833-11	Methyl isobutyl ketone	11/4/2022	5	Y	n	u		5.0	2.4	ug/L
DUP-3-4Q22	2225833-11	Methyl iodide	11/4/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
DUP-3-4Q22	2225833-11	Methyl ethyl ketone	11/4/2022	5	Y	n	u		5.0	3.3	ug/L
DUP-3-4Q22	2225833-11	Methacrylonitrile	11/4/2022	10	Y	n	u		10	2.3	ug/L
DUP-3-4Q22	2225833-11	2-Hexanone	11/4/2022	10	Y	n	u		10	5.0	ug/L
DUP-3-4Q22	2225833-11	Hexachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
DUP-3-4Q22	2225833-11	1,2,3-Trichloropropane	11/4/2022	1	Y	n	u		1.0	0.78	ug/L
DUP-3-4Q22	2225833-11	Ethyl methacrylate	11/4/2022	4	Y	n	u		4.0	1.3	ug/L
DUP-3-4Q22	2225833-11	1,1,2-Trichloro-1,2,2-trifluoroethane	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-3-4Q22	2225833-11	trans-1,4-Dichloro-2-butene	11/4/2022	5	Y	n	u		5.0	1.8	ug/L
DUP-3-4Q22	2225833-11	t-Butyl alcohol	11/4/2022	2	Y	n	u		2.0	2.0	ug/L
DUP-3-4Q22	2225833-11	Allyl chloride	11/4/2022	5	Y	n	u		5.0	0.47	ug/L
DUP-3-4Q22	2225833-11	Acrylonitrile	11/4/2022	5	Y	n	u		5.0	1.5	ug/L
DUP-3-4Q22	2225833-11	Acetone	11/4/2022	10	Y	n	u		10	6.6	ug/L
DUP-3-4Q22	2225833-11	Vinyl chloride	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
DUP-3-4Q22	2225833-11	1,3,5-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-3-4Q22	2225833-11	Ethyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.32	ug/L
DUP-3-4Q22	2225833-11	sec-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-3-4Q22	2225833-11	Dibromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
DUP-3-4Q22	2225833-11	4-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.093	ug/L

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DUP-3-4Q22	2225833-11	2-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-3-4Q22	2225833-11	Chloromethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
DUP-3-4Q22	2225833-11	Chloroform	11/4/2022	0.18	Y	y	v j		0.50	0.14	ug/L
DUP-3-4Q22	2225833-11	Chloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-3-4Q22	2225833-11	Chlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-3-4Q22	2225833-11	Isopropylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-3-4Q22	2225833-11	tert-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
DUP-3-4Q22	2225833-11	Dibromomethane	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
DUP-3-4Q22	2225833-11	n-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-3-4Q22	2225833-11	Bromomethane	11/4/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
DUP-3-4Q22	2225833-11	Bromoform	11/4/2022	0.5	Y	n	u		0.50	0.46	ug/L
DUP-3-4Q22	2225833-11	Bromodichloromethane	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
DUP-3-4Q22	2225833-11	Bromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
DUP-3-4Q22	2225833-11	Bromobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-3-4Q22	2225833-11	Benzene	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
DUP-3-4Q22	2225833-11	Carbon tetrachloride	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-3-4Q22	2225833-11	cis-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
DUP-3-4Q22	2225833-11	Carbon disulfide	11/4/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
DUP-3-4Q22	2225833-11	Ethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-3-4Q22	2225833-11	trans-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-3-4Q22	2225833-11	cis-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-3-4Q22	2225833-11	1,1-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-3-4Q22	2225833-11	2,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
DUP-3-4Q22	2225833-11	1,3-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-3-4Q22	2225833-11	1,2-Dibromo-3-chloropropane	11/4/2022	1	Y	n	u		1.0	0.89	ug/L

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DUP-3-4Q22	2225833-11	trans-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-3-4Q22	2225833-11	1,2-Dibromoethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
DUP-3-4Q22	2225833-11	1,1-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
DUP-3-4Q22	2225833-11	1,2-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-3-4Q22	2225833-11	1,1-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-3-4Q22	2225833-11	Dichlorodifluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-3-4Q22	2225833-11	1,4-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-3-4Q22	2225833-11	1,3-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
DUP-3-4Q22	2225833-11	1,2-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-3-4Q22	2225833-11	Hexachlorobutadiene	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
DUP-3-4Q22	2225833-11	1,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-3-4Q22	2225833-11	Nitrobenzene	11/4/2022	0	Y	y	v				ug/L
DUP-3-4Q22	2225833-11	Propionitrile	11/4/2022	20	Y	n	u		20	6.2	ug/L
DUP-3-4Q22	2225833-11	Chloroacetonitrile	11/4/2022	0	Y	y	v				ug/L
DUP-3-4Q22	2225833-11	t-Amyl Methyl ether	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-3-4Q22	2225833-11	2-Nitropropane	11/4/2022	0	Y	y	v				ug/L
DUP-3-4Q22	2225833-11	1,1-Dichloropropanone	11/4/2022	0	Y	y	v				ug/L
DUP-3-4Q22	2225833-11	1-Chlorobutane	11/4/2022	0	Y	y	v				ug/L
DUP-3-4Q22	2225833-11	4-Bromofluorobenzene (Surrogate)	11/4/2022	9.6	Y	y	v s				ug/L
DUP-3-4Q22	2225833-11	Toluene-d8 (Surrogate)	11/4/2022	9.9	Y	y	v s				ug/L
DUP-3-4Q22	2225833-11	1,2-Dichloroethane-d4 (Surrogate)	11/4/2022	9.6	Y	y	v s				ug/L
DUP-3-4Q22	2225833-11	o-Xylene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-3-4Q22	2225833-11	p- & m-Xylenes	11/4/2022	0.5	Y	n	u		0.50	0.34	ug/L
DUP-3-4Q22	2225833-11	Methyl acrylate	11/4/2022	0	Y	y	v				ug/L
DUP-3-4Q22	2225833-11	Tetrahydrofuran	11/4/2022	20	Y	n	u		20	5.2	ug/L

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EB-2-102522	2225833-13	1,2-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-2-102522	2225833-13	4-Bromofluorobenzene (Surrogate)	11/4/2022	9.3	Y	y	v s				ug/L
EB-2-102522	2225833-13	Methyl acrylate	11/4/2022	0	Y	y	v				ug/L
EB-2-102522	2225833-13	Nitrobenzene	11/4/2022	0	Y	y	v				ug/L
EB-2-102522	2225833-13	Chloroacetonitrile	11/4/2022	0	Y	y	v				ug/L
EB-2-102522	2225833-13	1,1-Dichloropropanone	11/4/2022	0	Y	y	v				ug/L
EB-2-102522	2225833-13	1,1-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-2-102522	2225833-13	2-Nitropropane	11/4/2022	0	Y	y	v				ug/L
EB-2-102522	2225833-13	Toluene-d8 (Surrogate)	11/4/2022	9.9	Y	y	v s				ug/L
EB-2-102522	2225833-13	1-Chlorobutane	11/4/2022	0	Y	y	v				ug/L
EB-2-102522	2225833-13	1,2-Dichloroethane-d4 (Surrogate)	11/4/2022	9.6	Y	y	v s				ug/L
EB-2-102522	2225833-13	o-Xylene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-2-102522	2225833-13	p- & m-Xylenes	11/4/2022	0.5	Y	n	u		0.50	0.34	ug/L
EB-2-102522	2225833-13	Tetrahydrofuran	11/4/2022	20	Y	n	u		20	5.2	ug/L
EB-2-102522	2225833-13	Dichlorodifluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-2-102522	2225833-13	Pentachloroethane	11/4/2022	2	Y	n	u		2.0	0.63	ug/L
EB-2-102522	2225833-13	Dibromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
EB-2-102522	2225833-13	Methyl methacrylate	11/4/2022	5	Y	n	u		5.0	1.2	ug/L
EB-2-102522	2225833-13	Methyl isobutyl ketone	11/4/2022	5	Y	n	u		5.0	2.4	ug/L
EB-2-102522	2225833-13	Methyl iodide	11/4/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
EB-2-102522	2225833-13	Propionitrile	11/4/2022	20	Y	n	u		20	6.2	ug/L
EB-2-102522	2225833-13	Chloroform	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-2-102522	2225833-13	Bromobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-2-102522	2225833-13	Bromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
EB-2-102522	2225833-13	Bromodichloromethane	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L

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EB-2-102522	2225833-13	Bromoform	11/4/2022	0.5	Y	n	u		0.50	0.46	ug/L
EB-2-102522	2225833-13	Bromomethane	11/4/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
EB-2-102522	2225833-13	n-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-2-102522	2225833-13	sec-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-2-102522	2225833-13	tert-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
EB-2-102522	2225833-13	Carbon tetrachloride	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-2-102522	2225833-13	1,2-Dibromoethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
EB-2-102522	2225833-13	Chloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-2-102522	2225833-13	1,4-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-2-102522	2225833-13	Chloromethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
EB-2-102522	2225833-13	2-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-2-102522	2225833-13	4-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.093	ug/L
EB-2-102522	2225833-13	t-Butyl alcohol	11/4/2022	2	Y	n	u		2.0	2.0	ug/L
EB-2-102522	2225833-13	1,2-Dibromo-3-chloropropane	11/4/2022	1	Y	n	u		1.0	0.89	ug/L
EB-2-102522	2225833-13	Methyl ethyl ketone	11/4/2022	5	Y	n	u		5.0	3.3	ug/L
EB-2-102522	2225833-13	Dibromomethane	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
EB-2-102522	2225833-13	1,2-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-2-102522	2225833-13	1,3-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
EB-2-102522	2225833-13	Chlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-2-102522	2225833-13	cis-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-2-102522	2225833-13	Styrene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
EB-2-102522	2225833-13	n-Propylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
EB-2-102522	2225833-13	Naphthalene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
EB-2-102522	2225833-13	Methyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-2-102522	2225833-13	Methylene chloride	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L

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EB-2-102522	2225833-13	p-Isopropyltoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-2-102522	2225833-13	Isopropylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-2-102522	2225833-13	Hexachlorobutadiene	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
EB-2-102522	2225833-13	trans-1,4-Dichloro-2-butene	11/4/2022	5	Y	n	u		5.0	1.8	ug/L
EB-2-102522	2225833-13	trans-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-2-102522	2225833-13	Tetrachloroethene	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
EB-2-102522	2225833-13	1,1-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-2-102522	2225833-13	2,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
EB-2-102522	2225833-13	1,3-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-2-102522	2225833-13	1,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-2-102522	2225833-13	trans-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-2-102522	2225833-13	cis-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
EB-2-102522	2225833-13	1,1-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
EB-2-102522	2225833-13	Benzene	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
EB-2-102522	2225833-13	1,2,4-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-2-102522	2225833-13	Ethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-2-102522	2225833-13	1,3,5-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-2-102522	2225833-13	2-Hexanone	11/4/2022	10	Y	n	u		10	5.0	ug/L
EB-2-102522	2225833-13	Hexachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
EB-2-102522	2225833-13	Ethyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.32	ug/L
EB-2-102522	2225833-13	Ethyl methacrylate	11/4/2022	4	Y	n	u		4.0	1.3	ug/L
EB-2-102522	2225833-13	Diethyl ether	11/4/2022	2	Y	n	u		2.0	0.33	ug/L
EB-2-102522	2225833-13	Carbon disulfide	11/4/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
EB-2-102522	2225833-13	t-Amyl Methyl ether	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-2-102522	2225833-13	Allyl chloride	11/4/2022	5	Y	n	u		5.0	0.47	ug/L

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EB-2-102522	2225833-13	Acrylonitrile	11/4/2022	5	Y	n	u		5.0	1.5	ug/L
EB-2-102522	2225833-13	1,1,1,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-2-102522	2225833-13	Vinyl chloride	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
EB-2-102522	2225833-13	1,1,2,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-2-102522	2225833-13	1,2,4-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-2-102522	2225833-13	1,1,2-Trichloro-1,2,2-trifluoroethane	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-2-102522	2225833-13	1,2,3-Trichloropropane	11/4/2022	1	Y	n	u		1.0	0.78	ug/L
EB-2-102522	2225833-13	Trichlorofluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-2-102522	2225833-13	Trichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-2-102522	2225833-13	1,1,1-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-2-102522	2225833-13	1,2,3-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-2-102522	2225833-13	Toluene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-2-102522	2225833-13	Methacrylonitrile	11/4/2022	10	Y	n	u		10	2.3	ug/L
EB-2-102522	2225833-13	Acetone	11/4/2022	10	Y	n	u		10	6.6	ug/L
EB-2-102522	2225833-13	1,1,2-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-2	2225833-06	Hexachlorobutadiene	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-14-2	2225833-06	cis-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-14-2	2225833-06	trans-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-2	2225833-06	1,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-2	2225833-06	1,3-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-2	2225833-06	2,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-14-2	2225833-06	1,1-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-2	2225833-06	cis-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-2	2225833-06	Bromoform	11/4/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-14-2	2225833-06	Ethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L

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MW-14-2	2225833-06	1,1-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-2	2225833-06	Isopropylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-2	2225833-06	p-Isopropyltoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-2	2225833-06	Methylene chloride	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-2	2225833-06	Methyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-2	2225833-06	Naphthalene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-14-2	2225833-06	n-Propylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-14-2	2225833-06	Styrene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-14-2	2225833-06	1,1,1,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-2	2225833-06	trans-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-2	2225833-06	4-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-14-2	2225833-06	Bromomethane	11/4/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-14-2	2225833-06	n-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-2	2225833-06	sec-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-2	2225833-06	tert-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-14-2	2225833-06	Carbon tetrachloride	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-2	2225833-06	Chlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-2	2225833-06	Chloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-2	2225833-06	Chloroform	11/4/2022	0.44	Y	y	v j		0.50	0.14	ug/L
MW-14-2	2225833-06	1,1-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-14-2	2225833-06	2-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-2	2225833-06	1,2-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-2	2225833-06	Dibromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-14-2	2225833-06	1,2-Dibromo-3-chloropropane	11/4/2022	1	Y	n	u		1.0	0.89	ug/L
MW-14-2	2225833-06	1,2-Dibromoethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L

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MW-14-2	2225833-06	Dibromomethane	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-14-2	2225833-06	1,2-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-2	2225833-06	1,3-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-14-2	2225833-06	1,4-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-2	2225833-06	Dichlorodifluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-2	2225833-06	Toluene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-2	2225833-06	Chloromethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-14-2	2225833-06	1,2-Dichloroethane-d4 (Surrogate)	11/4/2022	9.7	Y	y	v s				ug/L
MW-14-2	2225833-06	Methacrylonitrile	11/4/2022	10	Y	n	u		10	2.3	ug/L
MW-14-2	2225833-06	Methyl ethyl ketone	11/4/2022	5	Y	n	u		5.0	3.3	ug/L
MW-14-2	2225833-06	Methyl iodide	11/4/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-14-2	2225833-06	Methyl isobutyl ketone	11/4/2022	5	Y	n	u		5.0	2.4	ug/L
MW-14-2	2225833-06	Methyl methacrylate	11/4/2022	5	Y	n	u		5.0	1.2	ug/L
MW-14-2	2225833-06	Pentachloroethane	11/4/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-14-2	2225833-06	Propionitrile	11/4/2022	20	Y	n	u		20	6.2	ug/L
MW-14-2	2225833-06	Tetrahydrofuran	11/4/2022	20	Y	n	u		20	5.2	ug/L
MW-14-2	2225833-06	1,1,2,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-2	2225833-06	o-Xylene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-2	2225833-06	Ethyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-14-2	2225833-06	Toluene-d8 (Surrogate)	11/4/2022	9.7	Y	y	v s				ug/L
MW-14-2	2225833-06	4-Bromofluorobenzene (Surrogate)	11/4/2022	9.6	Y	y	v s				ug/L
MW-14-2	2225833-06	1-Chlorobutane	11/4/2022	0	Y	y	v				ug/L
MW-14-2	2225833-06	1,1-Dichloropropanone	11/4/2022	0	Y	y	v				ug/L
MW-14-2	2225833-06	Nitrobenzene	11/4/2022	0	Y	y	v				ug/L
MW-14-2	2225833-06	Methyl acrylate	11/4/2022	0	Y	y	v				ug/L

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MW-14-2	2225833-06	2-Nitropropane	11/4/2022	0	Y	y	v				ug/L
MW-14-2	2225833-06	Chloroacetonitrile	11/4/2022	0	Y	y	v				ug/L
MW-14-2	2225833-06	p- & m-Xylenes	11/4/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-14-2	2225833-06	1,3,5-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-2	2225833-06	Acetone	11/4/2022	10	Y	n	u		10	6.6	ug/L
MW-14-2	2225833-06	1,2,3-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-2	2225833-06	1,2,4-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-2	2225833-06	1,1,1-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-2	2225833-06	1,1,2-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-2	2225833-06	Trichloroethene	11/4/2022	1.3	Y	y	v		0.50	0.19	ug/L
MW-14-2	2225833-06	Trichlorofluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-2	2225833-06	1,2,3-Trichloropropane	11/4/2022	1	Y	n	u		1.0	0.78	ug/L
MW-14-2	2225833-06	2-Hexanone	11/4/2022	10	Y	n	u		10	5.0	ug/L
MW-14-2	2225833-06	1,2,4-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-2	2225833-06	Hexachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-14-2	2225833-06	Vinyl chloride	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-14-2	2225833-06	Acrylonitrile	11/4/2022	5	Y	n	u		5.0	1.5	ug/L
MW-14-2	2225833-06	t-Amyl Methyl ether	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-2	2225833-06	t-Butyl alcohol	11/4/2022	2	Y	n	u		2.0	2.0	ug/L
MW-14-2	2225833-06	Carbon disulfide	11/4/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-14-2	2225833-06	trans-1,4-Dichloro-2-butene	11/4/2022	5	Y	n	u	UJ	5.0	1.8	ug/L
MW-14-2	2225833-06	Diethyl ether	11/4/2022	2	Y	n	u		2.0	0.33	ug/L
MW-14-2	2225833-06	Ethyl methacrylate	11/4/2022	4	Y	n	u		4.0	1.3	ug/L
MW-14-2	2225833-06	Tetrachloroethene	11/4/2022	0.33	Y	y	v j		0.50	0.23	ug/L
MW-14-2	2225833-06	1,1,2-Trichloro-1,2,2-trifluoroethane	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L

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MW-14-2	2225833-06	Bromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-14-2	2225833-06	Bromobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-2	2225833-06	Benzene	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-14-2	2225833-06	Allyl chloride	11/4/2022	5	Y	n	u	UJ	5.0	0.47	ug/L
MW-14-2	2225833-06	Bromodichloromethane	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-14-3	2225833-04	trans-1,4-Dichloro-2-butene	11/4/2022	5	Y	n	u	UJ	5.0	1.8	ug/L
MW-14-3	2225833-04	n-Propylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-14-3	2225833-04	Methacrylonitrile	11/4/2022	10	Y	n	u		10	2.3	ug/L
MW-14-3	2225833-04	2-Hexanone	11/4/2022	10	Y	n	u		10	5.0	ug/L
MW-14-3	2225833-04	Hexachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-14-3	2225833-04	Ethyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-14-3	2225833-04	Bromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-14-3	2225833-04	Styrene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-14-3	2225833-04	Diethyl ether	11/4/2022	2	Y	n	u		2.0	0.33	ug/L
MW-14-3	2225833-04	Toluene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-3	2225833-04	Carbon disulfide	11/4/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-14-3	2225833-04	t-Butyl alcohol	11/4/2022	2	Y	n	u		2.0	2.0	ug/L
MW-14-3	2225833-04	t-Amyl Methyl ether	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-3	2225833-04	Allyl chloride	11/4/2022	5	Y	n	u	UJ	5.0	0.47	ug/L
MW-14-3	2225833-04	Bromodichloromethane	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-14-3	2225833-04	Bromoform	11/4/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-14-3	2225833-04	Ethyl methacrylate	11/4/2022	4	Y	n	u		4.0	1.3	ug/L
MW-14-3	2225833-04	1,1,2-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-3	2225833-04	Acrylonitrile	11/4/2022	5	Y	n	u		5.0	1.5	ug/L
MW-14-3	2225833-04	1,3,5-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L

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MW-14-3	2225833-04	Naphthalene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-14-3	2225833-04	1,2,4-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-3	2225833-04	1,1,2-Trichloro-1,2,2-trifluoroethane	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-3	2225833-04	1,2,3-Trichloropropane	11/4/2022	1	Y	n	u		1.0	0.78	ug/L
MW-14-3	2225833-04	1,1,2,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-3	2225833-04	Trichloroethene	11/4/2022	0.77	Y	y	v		0.50	0.19	ug/L
MW-14-3	2225833-04	1,1,1,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-3	2225833-04	1,1,1-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-3	2225833-04	1,2,4-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-3	2225833-04	1,2,3-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-3	2225833-04	tert-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-14-3	2225833-04	Tetrachloroethene	11/4/2022	0.53	Y	y	v		0.50	0.23	ug/L
MW-14-3	2225833-04	Bromomethane	11/4/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-14-3	2225833-04	Trichlorofluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-3	2225833-04	cis-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-3	2225833-04	n-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-3	2225833-04	1,1-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-14-3	2225833-04	cis-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-14-3	2225833-04	trans-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-3	2225833-04	1,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-3	2225833-04	1,3-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-3	2225833-04	1,1-Dichloroethane	11/4/2022	0.28	Y	y	v j		0.50	0.15	ug/L
MW-14-3	2225833-04	1,1-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-3	2225833-04	Dichlorodifluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-3	2225833-04	trans-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L

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MW-14-3	2225833-04	Ethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-3	2225833-04	Hexachlorobutadiene	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-14-3	2225833-04	Isopropylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-3	2225833-04	p-Isopropyltoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-3	2225833-04	Methylene chloride	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-3	2225833-04	Methyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-3	2225833-04	2,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-14-3	2225833-04	4-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-14-3	2225833-04	sec-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-3	2225833-04	Vinyl chloride	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-14-3	2225833-04	Carbon tetrachloride	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-3	2225833-04	Chlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-3	2225833-04	Chloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-3	2225833-04	Chloroform	11/4/2022	0.44	Y	y	v j		0.50	0.14	ug/L
MW-14-3	2225833-04	1,2-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-3	2225833-04	2-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-3	2225833-04	Acetone	11/4/2022	10	Y	n	u		10	6.6	ug/L
MW-14-3	2225833-04	Dibromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-14-3	2225833-04	1,2-Dibromo-3-chloropropane	11/4/2022	1	Y	n	u		1.0	0.89	ug/L
MW-14-3	2225833-04	1,2-Dibromoethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-14-3	2225833-04	Dibromomethane	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-14-3	2225833-04	1,2-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-3	2225833-04	1,3-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-14-3	2225833-04	1,4-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-3	2225833-04	Chloromethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L

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MW-14-3	2225833-04	Propionitrile	11/4/2022	20	Y	n	u		20	6.2	ug/L
MW-14-3	2225833-04	4-Bromofluorobenzene (Surrogate)	11/4/2022	9.7	Y	y	v s				ug/L
MW-14-3	2225833-04	1,1-Dichloropropanone	11/4/2022	0	Y	y	v				ug/L
MW-14-3	2225833-04	1-Chlorobutane	11/4/2022	0	Y	y	v				ug/L
MW-14-3	2225833-04	2-Nitropropane	11/4/2022	0	Y	y	v				ug/L
MW-14-3	2225833-04	Chloroacetonitrile	11/4/2022	0	Y	y	v				ug/L
MW-14-3	2225833-04	Methyl acrylate	11/4/2022	0	Y	y	v				ug/L
MW-14-3	2225833-04	Nitrobenzene	11/4/2022	0	Y	y	v				ug/L
MW-14-3	2225833-04	Toluene-d8 (Surrogate)	11/4/2022	9.8	Y	y	v s				ug/L
MW-14-3	2225833-04	1,2-Dichloroethane-d4 (Surrogate)	11/4/2022	9.9	Y	y	v s				ug/L
MW-14-3	2225833-04	o-Xylene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-3	2225833-04	Tetrahydrofuran	11/4/2022	20	Y	n	u		20	5.2	ug/L
MW-14-3	2225833-04	Pentachloroethane	11/4/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-14-3	2225833-04	Methyl methacrylate	11/4/2022	5	Y	n	u		5.0	1.2	ug/L
MW-14-3	2225833-04	Benzene	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-14-3	2225833-04	Bromobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-3	2225833-04	Methyl ethyl ketone	11/4/2022	5	Y	n	u		5.0	3.3	ug/L
MW-14-3	2225833-04	Methyl iodide	11/4/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-14-3	2225833-04	Methyl isobutyl ketone	11/4/2022	5	Y	n	u		5.0	2.4	ug/L
MW-14-3	2225833-04	p- & m-Xylenes	11/4/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-14-4	2225833-03	Toluene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-4	2225833-03	Chloroform	11/4/2022	0.15	Y	y	v j		0.50	0.14	ug/L
MW-14-4	2225833-03	1,1-Dichloropropanone	11/4/2022	0	Y	y	v				ug/L
MW-14-4	2225833-03	1-Chlorobutane	11/4/2022	0	Y	y	v				ug/L
MW-14-4	2225833-03	1,1,2,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L

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MW-14-4	2225833-03	Chloromethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-14-4	2225833-03	2-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-4	2225833-03	4-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-14-4	2225833-03	1,2,3-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-4	2225833-03	1,1,1,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-4	2225833-03	2-Nitropropane	11/4/2022	0	Y	y	v				ug/L
MW-14-4	2225833-03	4-Bromofluorobenzene (Surrogate)	11/4/2022	9.5	Y	y	v s				ug/L
MW-14-4	2225833-03	Styrene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-14-4	2225833-03	1,2,4-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-4	2225833-03	Methyl isobutyl ketone	11/4/2022	5	Y	n	u		5.0	2.4	ug/L
MW-14-4	2225833-03	Acrylonitrile	11/4/2022	5	Y	n	u		5.0	1.5	ug/L
MW-14-4	2225833-03	Allyl chloride	11/4/2022	5	Y	n	u	UJ	5.0	0.47	ug/L
MW-14-4	2225833-03	t-Amyl Methyl ether	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-4	2225833-03	t-Butyl alcohol	11/4/2022	2	Y	n	u		2.0	2.0	ug/L
MW-14-4	2225833-03	Carbon disulfide	11/4/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-14-4	2225833-03	trans-1,4-Dichloro-2-butene	11/4/2022	5	Y	n	u	UJ	5.0	1.8	ug/L
MW-14-4	2225833-03	Diethyl ether	11/4/2022	2	Y	n	u		2.0	0.33	ug/L
MW-14-4	2225833-03	Ethyl methacrylate	11/4/2022	4	Y	n	u		4.0	1.3	ug/L
MW-14-4	2225833-03	Ethyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-14-4	2225833-03	Hexachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-14-4	2225833-03	2-Hexanone	11/4/2022	10	Y	n	u		10	5.0	ug/L
MW-14-4	2225833-03	Methacrylonitrile	11/4/2022	10	Y	n	u		10	2.3	ug/L
MW-14-4	2225833-03	Methyl acrylate	11/4/2022	0	Y	y	v				ug/L
MW-14-4	2225833-03	Methyl iodide	11/4/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-14-4	2225833-03	Tetrachloroethene	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L

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MW-14-4	2225833-03	Methyl methacrylate	11/4/2022	5	Y	n	u		5.0	1.2	ug/L
MW-14-4	2225833-03	Pentachloroethane	11/4/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-14-4	2225833-03	Propionitrile	11/4/2022	20	Y	n	u		20	6.2	ug/L
MW-14-4	2225833-03	Tetrahydrofuran	11/4/2022	20	Y	n	u		20	5.2	ug/L
MW-14-4	2225833-03	p- & m-Xylenes	11/4/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-14-4	2225833-03	o-Xylene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-4	2225833-03	1,2-Dichloroethane-d4 (Surrogate)	11/4/2022	9.7	Y	y	v s				ug/L
MW-14-4	2225833-03	Toluene-d8 (Surrogate)	11/4/2022	9.8	Y	y	v s				ug/L
MW-14-4	2225833-03	Bromobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-4	2225833-03	Nitrobenzene	11/4/2022	0	Y	y	v				ug/L
MW-14-4	2225833-03	Chloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-4	2225833-03	Chloroacetonitrile	11/4/2022	0	Y	y	v				ug/L
MW-14-4	2225833-03	Methyl ethyl ketone	11/4/2022	5	Y	n	u		5.0	3.3	ug/L
MW-14-4	2225833-03	1,4-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-4	2225833-03	Bromodichloromethane	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-14-4	2225833-03	Ethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-4	2225833-03	trans-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-4	2225833-03	cis-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-4	2225833-03	1,1-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-4	2225833-03	1,1,2-Trichloro-1,2,2-trifluoroethane	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-4	2225833-03	1,2,4-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-4	2225833-03	1,2-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-4	2225833-03	Dibromomethane	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-14-4	2225833-03	Isopropylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-4	2225833-03	1,2-Dibromo-3-chloropropane	11/4/2022	1	Y	n	u		1.0	0.89	ug/L

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MW-14-4	2225833-03	p-Isopropyltoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-4	2225833-03	Dichlorodifluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-4	2225833-03	1,1-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-4	2225833-03	1,2-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-4	2225833-03	1,1-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-14-4	2225833-03	2,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-14-4	2225833-03	cis-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-14-4	2225833-03	Dibromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-14-4	2225833-03	1,3-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-4	2225833-03	trans-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-4	2225833-03	1,2-Dibromoethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-14-4	2225833-03	Trichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-4	2225833-03	Carbon tetrachloride	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-4	2225833-03	tert-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-14-4	2225833-03	sec-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-4	2225833-03	n-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-4	2225833-03	Bromomethane	11/4/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-14-4	2225833-03	Bromoform	11/4/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-14-4	2225833-03	1,2,3-Trichloropropane	11/4/2022	1	Y	n	u		1.0	0.78	ug/L
MW-14-4	2225833-03	Bromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-14-4	2225833-03	1,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-4	2225833-03	Benzene	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-14-4	2225833-03	Hexachlorobutadiene	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-14-4	2225833-03	1,1,2-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-4	2225833-03	Chlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L

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MW-14-4	2225833-03	Trichlorofluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-4	2225833-03	Acetone	11/4/2022	10	Y	n	u		10	6.6	ug/L
MW-14-4	2225833-03	Vinyl chloride	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-14-4	2225833-03	1,3,5-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-4	2225833-03	n-Propylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-14-4	2225833-03	Naphthalene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-14-4	2225833-03	Methyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-4	2225833-03	1,3-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-14-4	2225833-03	Methylene chloride	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-4	2225833-03	1,1,1-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-5	2225833-02	Chlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-5	2225833-02	Carbon tetrachloride	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-5	2225833-02	n-Propylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-14-5	2225833-02	1,2-Dibromoethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-14-5	2225833-02	1,2-Dibromo-3-chloropropane	11/4/2022	1	Y	n	u		1.0	0.89	ug/L
MW-14-5	2225833-02	Dibromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-14-5	2225833-02	4-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-14-5	2225833-02	2-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-5	2225833-02	Chloromethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-14-5	2225833-02	tert-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-14-5	2225833-02	Chloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-5	2225833-02	Benzene	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-14-5	2225833-02	sec-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-5	2225833-02	n-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-5	2225833-02	Bromomethane	11/4/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L

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MW-14-5	2225833-02	Bromoform	11/4/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-14-5	2225833-02	Bromodichloromethane	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-14-5	2225833-02	Bromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-14-5	2225833-02	Bromobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-5	2225833-02	Chloroform	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-5	2225833-02	1,2,3-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-5	2225833-02	Methylene chloride	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-5	2225833-02	Methyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-5	2225833-02	Naphthalene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-14-5	2225833-02	1,1,1,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-5	2225833-02	Styrene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-14-5	2225833-02	1,1,2,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-5	2225833-02	1,1,2-Trichloro-1,2,2-trifluoroethane	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-5	2225833-02	Toluene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-5	2225833-02	Hexachlorobutadiene	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-14-5	2225833-02	1,2,4-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-5	2225833-02	1,1,1-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-5	2225833-02	1,1,2-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-14-5	2225833-02	Trichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-5	2225833-02	Trichlorofluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-5	2225833-02	1,2,3-Trichloropropane	11/4/2022	1	Y	n	u		1.0	0.78	ug/L
MW-14-5	2225833-02	Tetrachloroethene	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-14-5	2225833-02	cis-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-14-5	2225833-02	1,1-Dichloropropanone	11/4/2022	0	Y	y	v				ug/L
MW-14-5	2225833-02	1,2-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L

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MW-14-5	2225833-02	1,3-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-14-5	2225833-02	1,4-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-5	2225833-02	Dichlorodifluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-5	2225833-02	1,1-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-5	2225833-02	p-Isopropyltoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-5	2225833-02	1,1-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-14-5	2225833-02	Isopropylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-5	2225833-02	trans-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-5	2225833-02	1,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-5	2225833-02	1,3-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-5	2225833-02	1,1-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-5	2225833-02	trans-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-5	2225833-02	Ethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-14-5	2225833-02	cis-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-5	2225833-02	1,2-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-5	2225833-02	Methyl acrylate	11/4/2022	0	Y	y	v				ug/L
MW-14-5	2225833-02	Methyl methacrylate	11/4/2022	5	Y	n	u		5.0	1.2	ug/L
MW-14-5	2225833-02	Pentachloroethane	11/4/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-14-5	2225833-02	Propionitrile	11/4/2022	20	Y	n	u		20	6.2	ug/L
MW-14-5	2225833-02	Tetrahydrofuran	11/4/2022	20	Y	n	u		20	5.2	ug/L
MW-14-5	2225833-02	p- & m-Xylenes	11/4/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-14-5	2225833-02	o-Xylene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-14-5	2225833-02	Methyl isobutyl ketone	11/4/2022	5	Y	n	u		5.0	2.4	ug/L
MW-14-5	2225833-02	Nitrobenzene	11/4/2022	0	Y	y	v				ug/L
MW-14-5	2225833-02	1,2-Dichloroethane-d4 (Surrogate)	11/4/2022	9.5	Y	y	v s				ug/L

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MW-14-5	2225833-02	Chloroacetonitrile	11/4/2022	0	Y	y	v				ug/L
MW-14-5	2225833-02	2-Nitropropane	11/4/2022	0	Y	y	v				ug/L
MW-14-5	2225833-02	1-Chlorobutane	11/4/2022	0	Y	y	v				ug/L
MW-14-5	2225833-02	Dibromomethane	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-14-5	2225833-02	1,2,4-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-14-5	2225833-02	2,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-14-5	2225833-02	Toluene-d8 (Surrogate)	11/4/2022	9.7	Y	y	v s				ug/L
MW-14-5	2225833-02	Carbon disulfide	11/4/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-14-5	2225833-02	1,3,5-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-14-5	2225833-02	Vinyl chloride	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-14-5	2225833-02	4-Bromofluorobenzene (Surrogate)	11/4/2022	9.5	Y	y	v s				ug/L
MW-14-5	2225833-02	Methyl iodide	11/4/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-14-5	2225833-02	Acetone	11/4/2022	10	Y	n	u		10	6.6	ug/L
MW-14-5	2225833-02	Acrylonitrile	11/4/2022	5	Y	n	u		5.0	1.5	ug/L
MW-14-5	2225833-02	Allyl chloride	11/4/2022	5	Y	n	u	UJ	5.0	0.47	ug/L
MW-14-5	2225833-02	t-Butyl alcohol	11/4/2022	2	Y	n	u		2.0	2.0	ug/L
MW-14-5	2225833-02	trans-1,4-Dichloro-2-butene	11/4/2022	5	Y	n	u	UJ	5.0	1.8	ug/L
MW-14-5	2225833-02	Hexachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-14-5	2225833-02	Diethyl ether	11/4/2022	2	Y	n	u		2.0	0.33	ug/L
MW-14-5	2225833-02	Ethyl methacrylate	11/4/2022	4	Y	n	u		4.0	1.3	ug/L
MW-14-5	2225833-02	Ethyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-14-5	2225833-02	Methyl ethyl ketone	11/4/2022	5	Y	n	u		5.0	3.3	ug/L
MW-14-5	2225833-02	Methacrylonitrile	11/4/2022	10	Y	n	u		10	2.3	ug/L
MW-14-5	2225833-02	t-Amyl Methyl ether	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-14-5	2225833-02	2-Hexanone	11/4/2022	10	Y	n	u		10	5.0	ug/L

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MW-25-1	2225833-12	2,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-1	2225833-12	1,3-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-1	2225833-12	1,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-1	2225833-12	trans-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-1	2225833-12	Dichlorodifluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-1	2225833-12	1,2-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-1	2225833-12	1,1-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-1	2225833-12	1,1-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-1	2225833-12	Methyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-1	2225833-12	1,1-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-1	2225833-12	cis-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-1	2225833-12	cis-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-1	2225833-12	trans-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-1	2225833-12	Ethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-1	2225833-12	Hexachlorobutadiene	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-25-1	2225833-12	Isopropylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-1	2225833-12	Methylene chloride	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-1	2225833-12	1,4-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-1	2225833-12	Bromodichloromethane	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-25-1	2225833-12	Naphthalene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-25-1	2225833-12	n-Propylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-25-1	2225833-12	p-Isopropyltoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-1	2225833-12	Chloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-1	2225833-12	Allyl chloride	11/4/2022	5	Y	n	u		5.0	0.47	ug/L
MW-25-1	2225833-12	Styrene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L

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MW-25-1	2225833-12	Benzene	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-1	2225833-12	Bromobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-1	2225833-12	Bromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-1	2225833-12	Bromoform	11/4/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-25-1	2225833-12	n-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-1	2225833-12	sec-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-1	2225833-12	tert-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-1	2225833-12	Bromomethane	11/4/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-25-1	2225833-12	Chlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-1	2225833-12	1,3-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-25-1	2225833-12	Chloroform	11/4/2022	0.44	Y	y	v j		0.50	0.14	ug/L
MW-25-1	2225833-12	Chloromethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-1	2225833-12	2-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-1	2225833-12	4-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-25-1	2225833-12	Dibromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-25-1	2225833-12	1,2-Dibromo-3-chloropropane	11/4/2022	1	Y	n	u		1.0	0.89	ug/L
MW-25-1	2225833-12	1,2-Dibromoethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-25-1	2225833-12	Dibromomethane	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-25-1	2225833-12	1,2-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-1	2225833-12	Carbon tetrachloride	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-1	2225833-12	o-Xylene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-1	2225833-12	Hexachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-1	2225833-12	2-Hexanone	11/4/2022	10	Y	n	u		10	5.0	ug/L
MW-25-1	2225833-12	Methacrylonitrile	11/4/2022	10	Y	n	u		10	2.3	ug/L
MW-25-1	2225833-12	Methyl ethyl ketone	11/4/2022	5	Y	n	u		5.0	3.3	ug/L

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MW-25-1	2225833-12	Methyl iodide	11/4/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-25-1	2225833-12	Methyl isobutyl ketone	11/4/2022	5	Y	n	u		5.0	2.4	ug/L
MW-25-1	2225833-12	Methyl methacrylate	11/4/2022	5	Y	n	u		5.0	1.2	ug/L
MW-25-1	2225833-12	Pentachloroethane	11/4/2022	2	Y	n	u		2.0	0.63	ug/L
MW-25-1	2225833-12	Propionitrile	11/4/2022	20	Y	n	u		20	6.2	ug/L
MW-25-1	2225833-12	Ethyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-25-1	2225833-12	p- & m-Xylenes	11/4/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-25-1	2225833-12	4-Bromofluorobenzene (Surrogate)	11/4/2022	9.4	Y	y	v s				ug/L
MW-25-1	2225833-12	1,2-Dichloroethane-d4 (Surrogate)	11/4/2022	9.6	Y	y	v s				ug/L
MW-25-1	2225833-12	Toluene-d8 (Surrogate)	11/4/2022	9.8	Y	y	v s				ug/L
MW-25-1	2225833-12	1,1,1,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-1	2225833-12	1,1-Dichloropropanone	11/4/2022	0	Y	y	v				ug/L
MW-25-1	2225833-12	Acetone	11/4/2022	10	Y	n	u		10	6.6	ug/L
MW-25-1	2225833-12	2-Nitropropane	11/4/2022	0	Y	y	v				ug/L
MW-25-1	2225833-12	Chloroacetonitrile	11/4/2022	0	Y	y	v				ug/L
MW-25-1	2225833-12	Nitrobenzene	11/4/2022	0	Y	y	v				ug/L
MW-25-1	2225833-12	Methyl acrylate	11/4/2022	0	Y	y	v				ug/L
MW-25-1	2225833-12	Tetrahydrofuran	11/4/2022	20	Y	n	u		20	5.2	ug/L
MW-25-1	2225833-12	1,2,3-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-1	2225833-12	1,1,2,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-1	2225833-12	Tetrachloroethene	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-25-1	2225833-12	1-Chlorobutane	11/4/2022	0	Y	y	v				ug/L
MW-25-1	2225833-12	Ethyl methacrylate	11/4/2022	4	Y	n	u		4.0	1.3	ug/L
MW-25-1	2225833-12	Toluene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-1	2225833-12	1,2,4-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L

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MW-25-1	2225833-12	1,1,1-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-1	2225833-12	1,1,2-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-1	2225833-12	Trichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-1	2225833-12	Trichlorofluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-1	2225833-12	1,2,3-Trichloropropane	11/4/2022	1	Y	n	u		1.0	0.78	ug/L
MW-25-1	2225833-12	t-Amyl Methyl ether	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-1	2225833-12	1,2,4-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-1	2225833-12	1,3,5-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-1	2225833-12	Vinyl chloride	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-1	2225833-12	Carbon disulfide	11/4/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-25-1	2225833-12	Acrylonitrile	11/4/2022	5	Y	n	u		5.0	1.5	ug/L
MW-25-1	2225833-12	trans-1,4-Dichloro-2-butene	11/4/2022	5	Y	n	u		5.0	1.8	ug/L
MW-25-1	2225833-12	1,1,2-Trichloro-1,2,2-trifluoroethane	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-1	2225833-12	t-Butyl alcohol	11/4/2022	2	Y	n	u		2.0	2.0	ug/L
MW-25-1	2225833-12	Diethyl ether	11/4/2022	2	Y	n	u		2.0	0.33	ug/L
MW-25-2	2225833-10	Diethyl ether	11/4/2022	2	Y	n	u		2.0	0.33	ug/L
MW-25-2	2225833-10	Ethyl methacrylate	11/4/2022	4	Y	n	u		4.0	1.3	ug/L
MW-25-2	2225833-10	Hexachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-2	2225833-10	t-Amyl Methyl ether	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-2	2225833-10	2-Hexanone	11/4/2022	10	Y	n	u		10	5.0	ug/L
MW-25-2	2225833-10	Methacrylonitrile	11/4/2022	10	Y	n	u		10	2.3	ug/L
MW-25-2	2225833-10	Ethyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-25-2	2225833-10	trans-1,4-Dichloro-2-butene	11/4/2022	5	Y	n	u		5.0	1.8	ug/L
MW-25-2	2225833-10	Vinyl chloride	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-2	2225833-10	t-Butyl alcohol	11/4/2022	2	Y	n	u		2.0	2.0	ug/L

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MW-25-2	2225833-10	Allyl chloride	11/4/2022	5	Y	n	u		5.0	0.47	ug/L
MW-25-2	2225833-10	Acrylonitrile	11/4/2022	5	Y	n	u		5.0	1.5	ug/L
MW-25-2	2225833-10	Acetone	11/4/2022	10	Y	n	u		10	6.6	ug/L
MW-25-2	2225833-10	Methyl ethyl ketone	11/4/2022	5	Y	n	u		5.0	3.3	ug/L
MW-25-2	2225833-10	Toluene-d8 (Surrogate)	11/4/2022	9.8	Y	y	v s				ug/L
MW-25-2	2225833-10	1,2,4-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-2	2225833-10	1,3,5-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-2	2225833-10	Carbon disulfide	11/4/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-25-2	2225833-10	4-Bromofluorobenzene (Surrogate)	11/4/2022	9.4	Y	y	v s				ug/L
MW-25-2	2225833-10	1,1-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-2	2225833-10	1,1,2-Trichloro-1,2,2-trifluoroethane	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-2	2225833-10	1-Chlorobutane	11/4/2022	0	Y	y	v				ug/L
MW-25-2	2225833-10	2-Nitropropane	11/4/2022	0	Y	y	v				ug/L
MW-25-2	2225833-10	Chloroacetonitrile	11/4/2022	0	Y	y	v				ug/L
MW-25-2	2225833-10	Nitrobenzene	11/4/2022	0	Y	y	v				ug/L
MW-25-2	2225833-10	o-Xylene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-2	2225833-10	Methyl acrylate	11/4/2022	0	Y	y	v				ug/L
MW-25-2	2225833-10	Methyl iodide	11/4/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-25-2	2225833-10	1,2-Dichloroethane-d4 (Surrogate)	11/4/2022	9.7	Y	y	v s				ug/L
MW-25-2	2225833-10	p- & m-Xylenes	11/4/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-25-2	2225833-10	Tetrahydrofuran	11/4/2022	20	Y	n	u		20	5.2	ug/L
MW-25-2	2225833-10	Propionitrile	11/4/2022	20	Y	n	u		20	6.2	ug/L
MW-25-2	2225833-10	Pentachloroethane	11/4/2022	2	Y	n	u		2.0	0.63	ug/L
MW-25-2	2225833-10	Methyl methacrylate	11/4/2022	5	Y	n	u		5.0	1.2	ug/L
MW-25-2	2225833-10	Methyl isobutyl ketone	11/4/2022	5	Y	n	u		5.0	2.4	ug/L

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MW-25-2	2225833-10	1,1-Dichloropropanone	11/4/2022	0	Y	y	v				ug/L
MW-25-2	2225833-10	1,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-2	2225833-10	Methylene chloride	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-2	2225833-10	1,3-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-25-2	2225833-10	1,4-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-2	2225833-10	Dichlorodifluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-2	2225833-10	1,1-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-2	2225833-10	1,2-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-2	2225833-10	1,1-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-2	2225833-10	Dibromomethane	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-25-2	2225833-10	trans-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-2	2225833-10	1,2-Dibromoethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-25-2	2225833-10	1,3-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-2	2225833-10	2,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-2	2225833-10	cis-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-2	2225833-10	Ethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-2	2225833-10	Hexachlorobutadiene	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-25-2	2225833-10	Isopropylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-2	2225833-10	p-Isopropyltoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-2	2225833-10	cis-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-2	2225833-10	Chlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-2	2225833-10	Benzene	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-2	2225833-10	Bromobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-2	2225833-10	trans-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-2	2225833-10	Bromodichloromethane	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L

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MW-25-2	2225833-10	Bromomethane	11/4/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-25-2	2225833-10	n-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-2	2225833-10	sec-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-2	2225833-10	1,2-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-2	2225833-10	Carbon tetrachloride	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-2	2225833-10	Bromoform	11/4/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-25-2	2225833-10	Chloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-2	2225833-10	Chloroform	11/4/2022	0.17	Y	y	v j		0.50	0.14	ug/L
MW-25-2	2225833-10	Chloromethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-2	2225833-10	2-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-2	2225833-10	4-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-25-2	2225833-10	Dibromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-25-2	2225833-10	1,2-Dibromo-3-chloropropane	11/4/2022	1	Y	n	u		1.0	0.89	ug/L
MW-25-2	2225833-10	tert-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-2	2225833-10	Trichloroethene	11/4/2022	0.21	Y	y	v j		0.50	0.19	ug/L
MW-25-2	2225833-10	Methyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-2	2225833-10	Bromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-2	2225833-10	Trichlorofluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-2	2225833-10	1,1,2-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-2	2225833-10	1,1,1-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-2	2225833-10	1,2,4-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-2	2225833-10	1,2,3-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-2	2225833-10	Tetrachloroethene	11/4/2022	0.34	Y	y	v j		0.50	0.23	ug/L
MW-25-2	2225833-10	1,1,2,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-2	2225833-10	1,1,1,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L

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MW-25-2	2225833-10	Styrene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-25-2	2225833-10	Naphthalene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-25-2	2225833-10	Toluene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-2	2225833-10	1,2,3-Trichloropropane	11/4/2022	1	Y	n	u		1.0	0.78	ug/L
MW-25-2	2225833-10	n-Propylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-25-3	2225833-09	1,2-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-3	2225833-09	2,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-3	2225833-09	1,3-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-3	2225833-09	1,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-3	2225833-09	trans-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-3	2225833-09	1,1-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-3	2225833-09	1,1-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-3	2225833-09	1,1-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-3	2225833-09	Methyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-3	2225833-09	cis-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-3	2225833-09	cis-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-3	2225833-09	trans-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-3	2225833-09	Ethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-3	2225833-09	Hexachlorobutadiene	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-25-3	2225833-09	Isopropylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-3	2225833-09	Dichlorodifluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-3	2225833-09	Methylene chloride	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-3	2225833-09	2-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-3	2225833-09	Naphthalene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-25-3	2225833-09	n-Propylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-25-3	2225833-09	p-Isopropyltoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-3	2225833-09	Chloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-3	2225833-09	Benzene	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-3	2225833-09	Bromobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-3	2225833-09	Bromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-3	2225833-09	Bromodichloromethane	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-25-3	2225833-09	Bromoform	11/4/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-25-3	2225833-09	Bromomethane	11/4/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-25-3	2225833-09	n-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-3	2225833-09	sec-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-3	2225833-09	tert-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-3	2225833-09	Dibromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-25-3	2225833-09	Chlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-3	2225833-09	1,4-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-3	2225833-09	Chloroform	11/4/2022	0.25	Y	y	v j		0.50	0.14	ug/L
MW-25-3	2225833-09	Chloromethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-3	2225833-09	Methyl methacrylate	11/4/2022	5	Y	n	u		5.0	1.2	ug/L
MW-25-3	2225833-09	4-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-25-3	2225833-09	Styrene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-25-3	2225833-09	1,2-Dibromo-3-chloropropane	11/4/2022	1	Y	n	u		1.0	0.89	ug/L
MW-25-3	2225833-09	1,2-Dibromoethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-25-3	2225833-09	Dibromomethane	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-25-3	2225833-09	1,2-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-3	2225833-09	1,3-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-25-3	2225833-09	Carbon tetrachloride	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L

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MW-25-3	2225833-09	1,2,4-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-3	2225833-09	1,1,1-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-3	2225833-09	Hexachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-3	2225833-09	Carbon disulfide	11/4/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-25-3	2225833-09	t-Butyl alcohol	11/4/2022	2	Y	n	u		2.0	2.0	ug/L
MW-25-3	2225833-09	t-Amyl Methyl ether	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-3	2225833-09	Allyl chloride	11/4/2022	5	Y	n	u		5.0	0.47	ug/L
MW-25-3	2225833-09	Acrylonitrile	11/4/2022	5	Y	n	u		5.0	1.5	ug/L
MW-25-3	2225833-09	Acetone	11/4/2022	10	Y	n	u		10	6.6	ug/L
MW-25-3	2225833-09	Diethyl ether	11/4/2022	2	Y	n	u		2.0	0.33	ug/L
MW-25-3	2225833-09	1,3,5-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-3	2225833-09	Ethyl methacrylate	11/4/2022	4	Y	n	u		4.0	1.3	ug/L
MW-25-3	2225833-09	1,1,2-Trichloro-1,2,2-trifluoroethane	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-3	2225833-09	1,2,3-Trichloropropane	11/4/2022	1	Y	n	u		1.0	0.78	ug/L
MW-25-3	2225833-09	Trichlorofluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-3	2225833-09	Trichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-3	2225833-09	1,1,2-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-3	2225833-09	2-Hexanone	11/4/2022	10	Y	n	u		10	5.0	ug/L
MW-25-3	2225833-09	Methacrylonitrile	11/4/2022	10	Y	n	u		10	2.3	ug/L
MW-25-3	2225833-09	Methyl ethyl ketone	11/4/2022	5	Y	n	u		5.0	3.3	ug/L
MW-25-3	2225833-09	Methyl iodide	11/4/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-25-3	2225833-09	Vinyl chloride	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-3	2225833-09	o-Xylene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-3	2225833-09	1,1,2,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-3	2225833-09	Tetrachloroethene	11/4/2022	3	Y	y	v		0.50	0.23	ug/L

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MW-25-3	2225833-09	Toluene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-3	2225833-09	1,2,3-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-3	2225833-09	1,2,4-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-3	2225833-09	Methyl isobutyl ketone	11/4/2022	5	Y	n	u		5.0	2.4	ug/L
MW-25-3	2225833-09	Pentachloroethane	11/4/2022	2	Y	n	u		2.0	0.63	ug/L
MW-25-3	2225833-09	Propionitrile	11/4/2022	20	Y	n	u		20	6.2	ug/L
MW-25-3	2225833-09	trans-1,4-Dichloro-2-butene	11/4/2022	5	Y	n	u		5.0	1.8	ug/L
MW-25-3	2225833-09	p- & m-Xylenes	11/4/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-25-3	2225833-09	1,1,1,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-3	2225833-09	1,2-Dichloroethane-d4 (Surrogate)	11/4/2022	9.7	Y	y	v s				ug/L
MW-25-3	2225833-09	Toluene-d8 (Surrogate)	11/4/2022	9.7	Y	y	v s				ug/L
MW-25-3	2225833-09	4-Bromofluorobenzene (Surrogate)	11/4/2022	9.6	Y	y	v s				ug/L
MW-25-3	2225833-09	1,1-Dichloropropanone	11/4/2022	0	Y	y	v				ug/L
MW-25-3	2225833-09	Chloroacetonitrile	11/4/2022	0	Y	y	v				ug/L
MW-25-3	2225833-09	2-Nitropropane	11/4/2022	0	Y	y	v				ug/L
MW-25-3	2225833-09	1-Chlorobutane	11/4/2022	0	Y	y	v				ug/L
MW-25-3	2225833-09	Methyl acrylate	11/4/2022	0	Y	y	v				ug/L
MW-25-3	2225833-09	Nitrobenzene	11/4/2022	0	Y	y	v				ug/L
MW-25-3	2225833-09	Ethyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-25-3	2225833-09	Tetrahydrofuran	11/4/2022	20	Y	n	u		20	5.2	ug/L
MW-25-4	2225833-08	1,4-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-4	2225833-08	1,2,4-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-4	2225833-08	Diethyl ether	11/4/2022	2	Y	n	u		2.0	0.33	ug/L
MW-25-4	2225833-08	trans-1,4-Dichloro-2-butene	11/4/2022	5	Y	n	u		5.0	1.8	ug/L
MW-25-4	2225833-08	Carbon disulfide	11/4/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-25-4	2225833-08	t-Butyl alcohol	11/4/2022	2	Y	n	u		2.0	2.0	ug/L
MW-25-4	2225833-08	t-Amyl Methyl ether	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-4	2225833-08	Allyl chloride	11/4/2022	5	Y	n	u		5.0	0.47	ug/L
MW-25-4	2225833-08	Acrylonitrile	11/4/2022	5	Y	n	u		5.0	1.5	ug/L
MW-25-4	2225833-08	Acetone	11/4/2022	10	Y	n	u		10	6.6	ug/L
MW-25-4	2225833-08	Tetrachloroethene	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-25-4	2225833-08	1,3,5-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-4	2225833-08	Hexachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-4	2225833-08	1,1,2-Trichloro-1,2,2-trifluoroethane	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-4	2225833-08	1,2,3-Trichloropropane	11/4/2022	1	Y	n	u		1.0	0.78	ug/L
MW-25-4	2225833-08	Trichlorofluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-4	2225833-08	Trichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-4	2225833-08	1,1,2-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-4	2225833-08	1,1,1-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-4	2225833-08	1,2,4-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-4	2225833-08	1,2,3-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-4	2225833-08	1,2-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-4	2225833-08	Vinyl chloride	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-4	2225833-08	Tetrahydrofuran	11/4/2022	20	Y	n	u		20	5.2	ug/L
MW-25-4	2225833-08	Methyl acrylate	11/4/2022	0	Y	y	v				ug/L
MW-25-4	2225833-08	1,1-Dichloropropanone	11/4/2022	0	Y	y	v				ug/L
MW-25-4	2225833-08	1-Chlorobutane	11/4/2022	0	Y	y	v				ug/L
MW-25-4	2225833-08	2-Nitropropane	11/4/2022	0	Y	y	v				ug/L
MW-25-4	2225833-08	Chloroacetonitrile	11/4/2022	0	Y	y	v				ug/L
MW-25-4	2225833-08	Nitrobenzene	11/4/2022	0	Y	y	v				ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-25-4	2225833-08	4-Bromofluorobenzene (Surrogate)	11/4/2022	9.6	Y	y	v s				ug/L
MW-25-4	2225833-08	Toluene-d8 (Surrogate)	11/4/2022	10	Y	y	v s				ug/L
MW-25-4	2225833-08	1,2-Dichloroethane-d4 (Surrogate)	11/4/2022	9.8	Y	y	v s				ug/L
MW-25-4	2225833-08	Ethyl methacrylate	11/4/2022	4	Y	n	u		4.0	1.3	ug/L
MW-25-4	2225833-08	p- & m-Xylenes	11/4/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-25-4	2225833-08	Ethyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-25-4	2225833-08	Propionitrile	11/4/2022	20	Y	n	u		20	6.2	ug/L
MW-25-4	2225833-08	Pentachloroethane	11/4/2022	2	Y	n	u		2.0	0.63	ug/L
MW-25-4	2225833-08	Methyl methacrylate	11/4/2022	5	Y	n	u		5.0	1.2	ug/L
MW-25-4	2225833-08	Methyl isobutyl ketone	11/4/2022	5	Y	n	u		5.0	2.4	ug/L
MW-25-4	2225833-08	Methyl iodide	11/4/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-25-4	2225833-08	Methyl ethyl ketone	11/4/2022	5	Y	n	u		5.0	3.3	ug/L
MW-25-4	2225833-08	Methacrylonitrile	11/4/2022	10	Y	n	u		10	2.3	ug/L
MW-25-4	2225833-08	2-Hexanone	11/4/2022	10	Y	n	u		10	5.0	ug/L
MW-25-4	2225833-08	1,1,2,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-4	2225833-08	o-Xylene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-4	2225833-08	Chlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-4	2225833-08	1,3-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-25-4	2225833-08	Dibromomethane	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-25-4	2225833-08	1,2-Dibromoethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-25-4	2225833-08	1,2-Dibromo-3-chloropropane	11/4/2022	1	Y	n	u		1.0	0.89	ug/L
MW-25-4	2225833-08	Dibromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-25-4	2225833-08	4-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-25-4	2225833-08	2-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-4	2225833-08	Chloromethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L

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MW-25-4	2225833-08	Toluene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-4	2225833-08	Chloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-4	2225833-08	1,1-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-4	2225833-08	Carbon tetrachloride	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-4	2225833-08	tert-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-4	2225833-08	sec-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-4	2225833-08	n-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-4	2225833-08	Bromomethane	11/4/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-25-4	2225833-08	Bromoform	11/4/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-25-4	2225833-08	Bromodichloromethane	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-25-4	2225833-08	Bromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-4	2225833-08	Bromobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-4	2225833-08	Chloroform	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-4	2225833-08	cis-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-4	2225833-08	1,1,1,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-4	2225833-08	Styrene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-25-4	2225833-08	n-Propylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-25-4	2225833-08	Naphthalene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-25-4	2225833-08	Methyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-4	2225833-08	Methylene chloride	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-4	2225833-08	p-Isopropyltoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-4	2225833-08	Isopropylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-4	2225833-08	Hexachlorobutadiene	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-25-4	2225833-08	trans-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-4	2225833-08	Dichlorodifluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L

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MW-25-4	2225833-08	1,1-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-4	2225833-08	2,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-4	2225833-08	1,3-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-4	2225833-08	1,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-4	2225833-08	trans-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-4	2225833-08	cis-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-4	2225833-08	1,1-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-4	2225833-08	1,2-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-4	2225833-08	Benzene	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-4	2225833-08	Ethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-5	2225833-07	1,2-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-5	2225833-07	1,1,2-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-5	2225833-07	t-Butyl alcohol	11/4/2022	2	Y	n	u		2.0	2.0	ug/L
MW-25-5	2225833-07	n-Propylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-25-5	2225833-07	Styrene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-25-5	2225833-07	1,1,1,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-5	2225833-07	1,1,2,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-5	2225833-07	Tetrachloroethene	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-25-5	2225833-07	Toluene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-5	2225833-07	1,2,3-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-5	2225833-07	Methyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-5	2225833-07	1,1,1-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-5	2225833-07	Methylene chloride	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-5	2225833-07	Trichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-5	2225833-07	Trichlorofluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L

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MW-25-5	2225833-07	1,2,3-Trichloropropane	11/4/2022	1	Y	n	u		1.0	0.78	ug/L
MW-25-5	2225833-07	1,1,2-Trichloro-1,2,2-trifluoroethane	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-5	2225833-07	1,2,4-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-5	2225833-07	1,3,5-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-5	2225833-07	Acetone	11/4/2022	10	Y	n	u		10	6.6	ug/L
MW-25-5	2225833-07	Allyl chloride	11/4/2022	5	Y	n	u	UJ	5.0	0.47	ug/L
MW-25-5	2225833-07	t-Amyl Methyl ether	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-5	2225833-07	1,2,4-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-5	2225833-07	1,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-5	2225833-07	Dichlorodifluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-5	2225833-07	Benzene	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-5	2225833-07	Dibromomethane	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-25-5	2225833-07	1,2-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-25-5	2225833-07	1,3-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-25-5	2225833-07	1,4-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-5	2225833-07	1,1-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-5	2225833-07	1,1-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-5	2225833-07	Naphthalene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-25-5	2225833-07	trans-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-5	2225833-07	Acrylonitrile	11/4/2022	5	Y	n	u		5.0	1.5	ug/L
MW-25-5	2225833-07	1,3-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-5	2225833-07	2,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-5	2225833-07	1,1-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-25-5	2225833-07	cis-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-5	2225833-07	trans-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L

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MW-25-5	2225833-07	Ethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-5	2225833-07	Hexachlorobutadiene	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-25-5	2225833-07	Isopropylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-5	2225833-07	p-Isopropyltoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-5	2225833-07	cis-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-5	2225833-07	Chlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-5	2225833-07	2-Nitropropane	11/4/2022	0	Y	y	v				ug/L
MW-25-5	2225833-07	Carbon disulfide	11/4/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-25-5	2225833-07	1,1-Dichloropropanone	11/4/2022	0	Y	y	v				ug/L
MW-25-5	2225833-07	Vinyl chloride	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-5	2225833-07	1,2-Dibromo-3-chloropropane	11/4/2022	1	Y	n	u		1.0	0.89	ug/L
MW-25-5	2225833-07	Dibromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-25-5	2225833-07	4-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-25-5	2225833-07	2-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-5	2225833-07	Chloromethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-5	2225833-07	1-Chlorobutane	11/4/2022	0	Y	y	v				ug/L
MW-25-5	2225833-07	Chloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-5	2225833-07	Chloroacetonitrile	11/4/2022	0	Y	y	v				ug/L
MW-25-5	2225833-07	Carbon tetrachloride	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-25-5	2225833-07	tert-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-25-5	2225833-07	sec-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-5	2225833-07	n-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-5	2225833-07	Bromomethane	11/4/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-25-5	2225833-07	Bromoform	11/4/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-25-5	2225833-07	Bromodichloromethane	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L

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MW-25-5	2225833-07	Bromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-25-5	2225833-07	Bromobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-25-5	2225833-07	Chloroform	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-25-5	2225833-07	2-Hexanone	11/4/2022	10	Y	n	u		10	5.0	ug/L
MW-25-5	2225833-07	trans-1,4-Dichloro-2-butene	11/4/2022	5	Y	n	u	UJ	5.0	1.8	ug/L
MW-25-5	2225833-07	Diethyl ether	11/4/2022	2	Y	n	u		2.0	0.33	ug/L
MW-25-5	2225833-07	Ethyl methacrylate	11/4/2022	4	Y	n	u		4.0	1.3	ug/L
MW-25-5	2225833-07	Ethyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-25-5	2225833-07	1,2-Dibromoethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-25-5	2225833-07	Hexachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-25-5	2225833-07	Nitrobenzene	11/4/2022	0	Y	y	v				ug/L
MW-25-5	2225833-07	Methacrylonitrile	11/4/2022	10	Y	n	u		10	2.3	ug/L
MW-25-5	2225833-07	Methyl ethyl ketone	11/4/2022	5	Y	n	u		5.0	3.3	ug/L
MW-25-5	2225833-07	Methyl iodide	11/4/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-25-5	2225833-07	Toluene-d8 (Surrogate)	11/4/2022	9.8	Y	y	v s				ug/L
MW-25-5	2225833-07	Methyl acrylate	11/4/2022	0	Y	y	v				ug/L
MW-25-5	2225833-07	4-Bromofluorobenzene (Surrogate)	11/4/2022	9.6	Y	y	v s				ug/L
MW-25-5	2225833-07	Methyl isobutyl ketone	11/4/2022	5	Y	n	u		5.0	2.4	ug/L
MW-25-5	2225833-07	1,2-Dichloroethane-d4 (Surrogate)	11/4/2022	9.6	Y	y	v s				ug/L
MW-25-5	2225833-07	o-Xylene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-25-5	2225833-07	p- & m-Xylenes	11/4/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-25-5	2225833-07	Tetrahydrofuran	11/4/2022	20	Y	n	u		20	5.2	ug/L
MW-25-5	2225833-07	Propionitrile	11/4/2022	20	Y	n	u		20	6.2	ug/L
MW-25-5	2225833-07	Pentachloroethane	11/4/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-25-5	2225833-07	Methyl methacrylate	11/4/2022	5	Y	n	u		5.0	1.2	ug/L

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TB-2-102522	2225833-01	1,2-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-2-102522	2225833-01	tert-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-2-102522	2225833-01	Bromobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-2-102522	2225833-01	Bromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-2-102522	2225833-01	Bromodichloromethane	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
TB-2-102522	2225833-01	Bromoform	11/4/2022	0.5	Y	n	u		0.50	0.46	ug/L
TB-2-102522	2225833-01	Bromomethane	11/4/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
TB-2-102522	2225833-01	n-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-2-102522	2225833-01	sec-Butylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-2-102522	2225833-01	Benzene	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-2-102522	2225833-01	Acrylonitrile	11/4/2022	5	Y	n	u		5.0	1.5	ug/L
TB-2-102522	2225833-01	1,1,2-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-2-102522	2225833-01	Ethyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.32	ug/L
TB-2-102522	2225833-01	Ethyl methacrylate	11/4/2022	4	Y	n	u		4.0	1.3	ug/L
TB-2-102522	2225833-01	Diethyl ether	11/4/2022	2	Y	n	u		2.0	0.33	ug/L
TB-2-102522	2225833-01	trans-1,4-Dichloro-2-butene	11/4/2022	5	Y	n	u	UJ	5.0	1.8	ug/L
TB-2-102522	2225833-01	Carbon disulfide	11/4/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
TB-2-102522	2225833-01	t-Butyl alcohol	11/4/2022	2	Y	n	u		2.0	2.0	ug/L
TB-2-102522	2225833-01	2-Hexanone	11/4/2022	10	Y	n	u		10	5.0	ug/L
TB-2-102522	2225833-01	Allyl chloride	11/4/2022	5	Y	n	u	UJ	5.0	0.47	ug/L
TB-2-102522	2225833-01	Methacrylonitrile	11/4/2022	10	Y	n	u		10	2.3	ug/L
TB-2-102522	2225833-01	Acetone	11/4/2022	10	Y	n	u		10	6.6	ug/L
TB-2-102522	2225833-01	Vinyl chloride	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-2-102522	2225833-01	1,3,5-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-2-102522	2225833-01	1,2,4-Trimethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L

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TB-2-102522	2225833-01	1,1,2-Trichloro-1,2,2-trifluoroethane	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-2-102522	2225833-01	1,2,3-Trichloropropane	11/4/2022	1	Y	n	u		1.0	0.78	ug/L
TB-2-102522	2225833-01	Trichlorofluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-2-102522	2225833-01	1,2-Dibromoethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
TB-2-102522	2225833-01	t-Amyl Methyl ether	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-2-102522	2225833-01	o-Xylene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-2-102522	2225833-01	Methyl acrylate	11/4/2022	0	Y	y	v				ug/L
TB-2-102522	2225833-01	Chloroacetonitrile	11/4/2022	0	Y	y	v				ug/L
TB-2-102522	2225833-01	2-Nitropropane	11/4/2022	0	Y	y	v				ug/L
TB-2-102522	2225833-01	1-Chlorobutane	11/4/2022	0	Y	y	v				ug/L
TB-2-102522	2225833-01	1,1-Dichloropropanone	11/4/2022	0	Y	y	v				ug/L
TB-2-102522	2225833-01	Nitrobenzene	11/4/2022	0	Y	y	v				ug/L
TB-2-102522	2225833-01	4-Bromofluorobenzene (Surrogate)	11/4/2022	9.4	Y	y	v s				ug/L
TB-2-102522	2225833-01	Hexachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-2-102522	2225833-01	1,2-Dichloroethane-d4 (Surrogate)	11/4/2022	9.4	Y	y	v s				ug/L
TB-2-102522	2225833-01	1,1,1-Trichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-2-102522	2225833-01	p- & m-Xylenes	11/4/2022	0.5	Y	n	u		0.50	0.34	ug/L
TB-2-102522	2225833-01	Tetrahydrofuran	11/4/2022	20	Y	n	u		20	5.2	ug/L
TB-2-102522	2225833-01	Propionitrile	11/4/2022	20	Y	n	u		20	6.2	ug/L
TB-2-102522	2225833-01	Pentachloroethane	11/4/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
TB-2-102522	2225833-01	Methyl methacrylate	11/4/2022	5	Y	n	u		5.0	1.2	ug/L
TB-2-102522	2225833-01	Methyl isobutyl ketone	11/4/2022	5	Y	n	u		5.0	2.4	ug/L
TB-2-102522	2225833-01	Methyl iodide	11/4/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
TB-2-102522	2225833-01	Methyl ethyl ketone	11/4/2022	5	Y	n	u		5.0	3.3	ug/L
TB-2-102522	2225833-01	Toluene-d8 (Surrogate)	11/4/2022	9.8	Y	y	v s				ug/L

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Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-2-102522	2225833-01	Dibromomethane	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L
TB-2-102522	2225833-01	Trichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-2-102522	2225833-01	trans-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-2-102522	2225833-01	cis-1,2-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-2-102522	2225833-01	1,1-Dichloroethene	11/4/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-2-102522	2225833-01	1,2-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-2-102522	2225833-01	1,1-Dichloroethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-2-102522	2225833-01	Dichlorodifluoromethane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-2-102522	2225833-01	1,3-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-2-102522	2225833-01	1,3-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
TB-2-102522	2225833-01	2,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-2-102522	2225833-01	1,2-Dibromo-3-chloropropane	11/4/2022	1	Y	n	u		1.0	0.89	ug/L
TB-2-102522	2225833-01	Dibromochloromethane	11/4/2022	0.5	Y	n	u		0.50	0.22	ug/L
TB-2-102522	2225833-01	4-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.093	ug/L
TB-2-102522	2225833-01	2-Chlorotoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-2-102522	2225833-01	Chloromethane	11/4/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-2-102522	2225833-01	Chloroform	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-2-102522	2225833-01	Chloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-2-102522	2225833-01	Chlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-2-102522	2225833-01	1,4-Dichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-2-102522	2225833-01	Methyl t-butyl ether	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-2-102522	2225833-01	1,2,4-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-2-102522	2225833-01	1,2,3-Trichlorobenzene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-2-102522	2225833-01	Toluene	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-2-102522	2225833-01	Tetrachloroethene	11/4/2022	0.5	Y	n	u		0.50	0.23	ug/L

SDG: 2225833

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-2-102522	2225833-01	1,1,2,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-2-102522	2225833-01	1,1,1,2-Tetrachloroethane	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-2-102522	2225833-01	Styrene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L
TB-2-102522	2225833-01	1,2-Dichloropropane	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-2-102522	2225833-01	Naphthalene	11/4/2022	0.5	Y	n	u		0.50	0.16	ug/L
TB-2-102522	2225833-01	Carbon tetrachloride	11/4/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-2-102522	2225833-01	Methylene chloride	11/4/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-2-102522	2225833-01	p-Isopropyltoluene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-2-102522	2225833-01	Isopropylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-2-102522	2225833-01	Hexachlorobutadiene	11/4/2022	0.5	Y	n	u		0.50	0.20	ug/L
TB-2-102522	2225833-01	Ethylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-2-102522	2225833-01	trans-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-2-102522	2225833-01	cis-1,3-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-2-102522	2225833-01	1,1-Dichloropropene	11/4/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-2-102522	2225833-01	n-Propylbenzene	11/4/2022	0.5	Y	n	u		0.50	0.12	ug/L

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Tidewater
3761 Attucks Drive
Powell, OH 43065
ATTN: Mr. David Conner
David.Conner@tideh2o.net

March 21, 2023

SUBJECT: NASA JPL, 4Q2022 - Data Validation

Dear Mr. Conner,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on December 13, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #55579:

SDG #	Fraction
2225756	Volatiles, Chromium, Wet Chemistry
2225921	
2226382	

The data validation was performed under Level III guidelines. The analysis was validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2020)

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

749 pages-ADV

Attachment 1

90/10 III/IV (lab select) EDD

LDC# 55579 (Tidewater - Powell, OH / NASA JPL, 4Q2022)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (524.2)		Cr (200.8)		Cl,SO_4 NO_3-N (300.0)		NO_2-N (353.2)		O- PO_4-P (365.1)		Cr(VI) (218.6)		CLO_4 (314.0)																					
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	2225756	12/13/22	01/05/23	13	0	12	0	1	0	1	0	1	0	12	0	12	0																				
B	2225921	12/13/22	01/05/23	11	0	10	0	-	-	-	-	-	-	10	0	10	0																				
C	2226382	12/13/22	01/05/23	11	0	10	0	-	-	-	-	-	-	10	0	10	0																				
Total	TR/PG			35	0	32	0	1	0	1	0	1	0	32	0	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134

Shaded cells indicate Level IV validation (all other cells are Level III validation). These sample counts do not include MS/MSD, and DUPs

V:\LOGIN\Tidewater\NASA JPL\55579ST.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 21, 2023

Parameters: Volatiles

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225756

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
TB-3-102622	2225756-01	Water	10/26/22
MW-22-5	2225756-02	Water	10/26/22
MW-22-4	2225756-03	Water	10/26/22
MW-22-3	2225756-04	Water	10/26/22
MW-22-2	2225756-05	Water	10/26/22
DUP-4-4Q22	2225756-06	Water	10/26/22
MW-24-5	2225756-07	Water	10/26/22
MW-24-4	2225756-08	Water	10/26/22
MW-24-3	2225756-09	Water	10/26/22
MW-24-2	2225756-10	Water	10/26/22
DUP-5-4Q22	2225756-11	Water	10/26/22
MW-24-1	2225756-12	Water	10/26/22
EB-3-102622	2225756-13	Water	10/26/22
MW-22-5MS	2225756-02MS	Water	10/26/22
MW-22-5MSD	2225756-02MSD	Water	10/26/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method 524.2

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
11/03/22 (16:55)	Bromomethane	45.3	TB-3-102622 MW-22-5 MW-22-4 MW-22-3 MW-22-2 DUP-4-4Q22 MW-24-5	UJ (all non-detects)	P

Date	Analyte	%D	Associated Samples	Flag	A or P
11/03/22 (17:18)	Carbon disulfide Methyl iodide	32.1 73.2	TB-3-102622 MW-22-5 MW-22-4 MW-22-3 MW-22-2 DUP-4-4Q22 MW-24-5	UJ (all non-detects) UJ (all non-detects)	P
11/04/22 (04:29)	Bromomethane	49.9	MW-24-4 MW-24-3 MW-24-2 DUP-5-4Q22 MW-24-1 EB-3-102622	UJ (all non-detects)	P
11/04/22 (04:53)	Allyl chloride Carbon disulfide trans-1,4-Dichloro-2-butene Methyl iodide Pentachloroethane	32.9 46.3 34.7 80.6 94.4	MW-24-4 MW-24-3 MW-24-2 DUP-5-4Q22 MW-24-1 EB-3-102622	J (all detects) UJ (all non-detects)	P

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TB-3-102622 was identified as a trip blank. No contaminants were found.

Sample EB-3-102622 was identified as an equipment blank. No contaminants were found.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

Samples MW-22-2 and DUP-4-4Q22 and samples MW-24-2 and DUP-5-4Q22 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (ug/L)		RPD
	MW-24-2	DUP-5-4Q22	
Chloroform	0.84	0.85	1

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Targe Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Level III validation.

XIV. System Performance

Raw data were not reviewed for Level III validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to continuing calibration %D, data were qualified as estimated in thirteen samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Volatiles - Data Qualification Summary - SDG 2225756

Sample	Analyte	Flag	A or P	Reason
TB-3-102622 MW-22-5 MW-22-4 MW-22-3 MW-22-2 DUP-4-4Q22 MW-24-5	Bromomethane Carbon disulfide Methyl iodide	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Continuing calibration (%D)
MW-24-4 MW-24-3 MW-24-2 DUP-5-4Q22 MW-24-1 EB-3-102622	Bromomethane Allyl chloride Carbon disulfide trans-1,4-Dichloro-2-butene Methyl iodide Pentachloroethane	J (all detects) UJ (all non-detects)	P	Continuing calibration (%D)

NASA JPL, 4Q2022
Volatiles - Laboratory Blank Data Qualification Summary - SDG 2225756

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Volatiles - Field Blank Data Qualification Summary - SDG 2225756

No Sample Data Qualified in this SDG

LDC #: 55579A1a **VALIDATION COMPLETENESS WORKSHEET** Date: 1/4/23
SDG #: 2225756 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: KJ
2nd Reviewer: CL

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	%RSD ≤ 20,1 ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 30
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	TB = 1 EB = 13
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	SW	*D = 5,6 10,11
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	
XIII.	Target analyte identification	N	
XIV	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	TB-3-102622	2225756-01	Water	10/26/22
2	MW-22-5	2225756-02	Water	10/26/22
3	MW-22-4	2225756-03	Water	10/26/22
4	MW-22-3	2225756-04	Water	10/26/22
5	MW-22-2	2225756-05	Water	10/26/22
6	DUP-4-4Q22	2225756-06	Water	10/26/22
7	MW-24-5	2225756-07	Water	10/26/22
8	MW-24-4	2225756-08	Water	10/26/22
9	MW-24-3	2225756-09	Water	10/26/22
10	MW-24-2	2225756-10	Water	10/26/22
11	DUP-5-4Q22	2225756-11	Water	10/26/22
12	MW-24-1	2225756-12	Water	10/26/22
13	EB-3-102622	2225756-13	Water	10/26/22
14	MW-22-5MS	2225756-02MS	Water	10/26/22
15	MW-22-5MSD	2225756-02MSD	Water	10/26/22

B152788

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 55579A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method ~~8260~~) S24.2

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤~~20~~ %D and ≥0.05 RRF ? 30

#	Date	Standard ID	Compound	Finding %D (Limit: ≤~~20.0~~%) 30	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	11/3/22	2220410-CCV3	B	45.3		1→7, 14, 15	J/UJ/P NP
	1655					B152788-MB	↓
	11/3/22	2220410-CCV4	G	32.1		↓	↓ MD
	1718		Methyl Iodide	73.2			↓
		410					
	11/4/22	2220~~48~~-CCV5	B	49.9		8→13, CCB3	↓ MD
	0429						
	11/4/22	2220410-CCV6	Allyl chloride	32.9		8→13, CCB3	↓ MD
	0453		G	46.3		↓	↓
			YYYY	34.7			
			Methyl Iodide	80.6		↓	↓
			ZZZZ	94.4			

LDC #: 55579 A1a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: FT

METHOD: GC/MS VOA (EPA Method ~~8260~~) 524.2

(Y) N N/A Were field duplicate pairs identified in this SDG?
(Y) N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (ug/L)		RPD (≤ %)	QUAL
	10	11		
K	0.84	0.85	1	

Compound	Concentration ( )		RPD (≤ %)	QUAL

LDC Report# 55579A4a

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 21, 2023

Parameters: Chromium

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225756

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-22-5	2225756-02	Water	10/26/22
MW-22-4	2225756-03	Water	10/26/22
MW-22-3	2225756-04	Water	10/26/22
MW-22-2	2225756-05	Water	10/26/22
DUP-4-4Q22	2225756-06	Water	10/26/22
MW-24-5	2225756-07	Water	10/26/22
MW-24-4	2225756-08	Water	10/26/22
MW-24-3	2225756-09	Water	10/26/22
MW-24-2	2225756-10	Water	10/26/22
DUP-5-4Q22	2225756-11	Water	10/26/22
MW-24-1	2225756-12	Water	10/26/22
EB-3-102622	2225756-13	Water	10/26/22
MW-22-4MS	2225756-03MS	Water	10/26/22
MW-22-4MSD	2225756-03MSD	Water	10/26/22
MW-22-4DUP	2225756-03DUP	Water	10/26/22
EB-3-102622MS	2225756-13MS	Water	10/26/22
EB-3-102622MSD	2225756-13MSD	Water	10/26/22
EB-3-102622DUP	2225756-13DUP	Water	10/26/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Chromium by Environmental Protection Agency (EPA) Method 200.8

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. ICPMS Tune

The mass calibration was within 0.1 AMU and the percent relative standard deviation (%RSD) was less than or equal to 5%.

III. Instrument Calibration

Initial and continuing calibrations were performed as required by the method.

The initial calibration verification (ICV) and continuing calibration verification (CCV) standards were within QC limits.

IV. ICP Interference Check Sample Analysis

Interference check sample (ICS) analysis was not required by the method.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample EB-3-102622 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
EB-3-102622	10/26/22	Chromium	0.54 ug/L	MW-22-5 MW-22-4 MW-22-3 MW-22-2 DUP-4-4Q22 MW-24-5 MW-24-4 MW-24-3 MW-24-2 DUP-5-4Q22 MW-24-1

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-22-3	Chromium	2.3 ug/L	2.3U ug/L
MW-22-2	Chromium	2.4 ug/L	2.4U ug/L
DUP-4-4Q22	Chromium	2.3 ug/L	2.3U ug/L
MW-24-3	Chromium	0.54 ug/L	0.54U ug/L
MW-24-2	Chromium	2.2 ug/L	2.2U ug/L
DUP-5-4Q22	Chromium	2.2 ug/L	2.2U ug/L

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

IX. Serial Dilution

Serial dilution analysis was performed on an associated project sample. Percent differences (%D) were within QC limits with the following exceptions:

Diluted Sample	Analyte	%D (Limits)	Associated Samples	Flag	A or P
MW-22-4	Chromium	15.1 (≤10)	MW-22-4	J (all detects)	A

X. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

XI. Field Duplicates

Samples MW-22-2 and DUP-4-4Q22 and samples MW-24-2 and DUP-5-4Q22 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (ug/L)		RPD
	MW-22-2	DUP-4-4Q22	
Chromium	2.4	2.3	4

Analyte	Concentration (ug/L)		RPD
	MW-24-2	DUP-5-4Q22	
Chromium	2.2	2.2	0

XII. Internal Standards (ICP-MS)

All internal standard percent recoveries (%R) were within QC limits.

XIII. Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to serial dilution %D, data were qualified as estimated in one sample.

Due to equipment blank contamination, data were qualified as not detected in six samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Chromium - Data Qualification Summary - SDG 2225756

Sample	Analyte	Flag	A or P	Reason
MW-22-4	Chromium	J (all detects)	A	Serial dilution (%D)

NASA JPL, 4Q2022
Chromium - Laboratory Blank Data Qualification Summary - SDG 2225756

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Field Blank Data Qualification Summary - SDG 2225756

Sample	Analyte	Modified Final Concentration	A or P
MW-22-3	Chromium	2.3U ug/L	A
MW-22-2	Chromium	2.4U ug/L	A
DUP-4-4Q22	Chromium	2.3U ug/L	A
MW-24-3	Chromium	0.54U ug/L	A
MW-24-2	Chromium	2.2U ug/L	A
DUP-5-4Q22	Chromium	2.2U ug/L	A

LDC #: 55579A4a **VALIDATION COMPLETENESS WORKSHEET** Date: 3/14/22
SDG #: 2225756 Level III Page: 1 of 2
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: LN
2nd Reviewer:

METHOD: Chromium (EPA Method 200.8)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	ICP/MS Tune	A	
III.	Instrument Calibration	A	
IV.	ICP Interference Check Sample (ICS) Analysis	A	
V.	Laboratory Blanks	A	
VI.	Field Blanks	SW	EB: 12
VII.	Matrix Spike/Matrix Spike Duplicates	A	
VIII.	Duplicate sample analysis	A	
IX.	Serial Dilution	SW	
X.	Laboratory control samples	A	LCS
XI.	Field Duplicates	SW	D_1: (4,5) D_2: (9,10)
XII.	Internal Standard (ICP-MS)	A	
XIII.	Target Analyte Quantitation	N	
XIV.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1	MW-22-5		2225756-02	Water	10/26/22
2	MW-22-4		2225756-03	Water	10/26/22
3	MW-22-3		2225756-04	Water	10/26/22
4	MW-22-2	D_1	2225756-05	Water	10/26/22
5	DUP-4-4Q22	D_1	2225756-06	Water	10/26/22
6	MW-24-5		2225756-07	Water	10/26/22
7	MW-24-4		2225756-08	Water	10/26/22
8	MW-24-3		2225756-09	Water	10/26/22
9	MW-24-2	D_2	2225756-10	Water	10/26/22
10	DUP-5-4Q22	D_2	2225756-11	Water	10/26/22
11	MW-24-1		2225756-12	Water	10/26/22
12	EB-3-102622	EB	2225756-13	Water	10/26/22
13	MW-22-4MS		2225756-03MS	Water	10/26/22
14	MW-22-4MSD		2225756-03MSD	Water	10/26/22
15	MW-22-4DUP		2225756-03DUP	Water	10/26/22

LDC #: 55579A4a **VALIDATION COMPLETENESS WORKSHEET** Date: 3/14/22
SDG #: 2225756 Level III Page: 2 of 2
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: LN
2nd Reviewer: [signature]

METHOD: Chromium (EPA Method 200.8)

	Client ID	Lab ID	Matrix	Date
16	EB-3-102622MS	2225756-13MS	Water	10/26/22
17	EB-3-102622MSD	2225756-13MSD	Water	10/26/22
18	EB-3-102622DUP	2225756-13DUP	Water	10/26/22
19				
20				
21				

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1-12	Cr
QC	
13-18	Cr

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: LN

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Blank units: ug/L
Sampling Date: 10/26/22

Associated sample units: ug/L
Associated Samples: 1-11

			Sample Identification									
Analyte	Blank ID	Action Level	3	4	5	8	9	10				
	12											
Cr	0.54	2.7	~~2.3/3.0 U~~	~~2.4/3.0 U~~	~~2.3/3.0 U~~	~~0.54/3.0 U~~	~~2.2/3.0 U~~	~~2.2/3.0 U~~				

Comments: The action level, when applicable, is establised at 5X the highest concentration.

VALIDATION FINDINGS WORKSHEETS
Serial Dilutions

Reviewer: LN

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Serial dilution analysis was performed by the laboratory. All serial dilution percent differences (%D) were within 10%D with the following exceptions:

Diluted Sample ID	Matrix	Analyte	%D	Associated Samples	Qualification	Det/ND
2	Water	Cr	15.1	2	J det/A	Dets

Comments:

METHOD: Inorganics

Analyte	Concentration (ug/L)		RPD	Qualifiers (Parents Only)
	4	5		
Chromium	2.4	2.3	4	

Analyte	Concentration (ug/L)		RPD	Qualifiers (Parents Only)
	9	10		
Chromium	2.2	2.2	0	

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 21, 2023

Parameters: Wet Chemistry

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225756

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-22-5	2225756-02	Water	10/26/22
MW-22-4	2225756-03	Water	10/26/22
MW-22-3	2225756-04	Water	10/26/22
MW-22-2	2225756-05	Water	10/26/22
DUP-4-4Q22	2225756-06	Water	10/26/22
MW-24-5	2225756-07	Water	10/26/22
MW-24-4	2225756-08	Water	10/26/22
MW-24-3	2225756-09	Water	10/26/22
MW-24-2	2225756-10	Water	10/26/22
DUP-5-4Q22	2225756-11	Water	10/26/22
MW-24-1	2225756-12	Water	10/26/22
EB-3-102622	2225756-13	Water	10/26/22
MW-22-2MS	2225756-05MS	Water	10/26/22
MW-22-2MSD	2225756-05MSD	Water	10/26/22
MW-22-2DUP	2225756-05DUP	Water	10/26/22
MW-24-1MS	2225756-12MS	Water	10/26/22
MW-24-1MSD	2225756-12MSD	Water	10/26/22
MW-24-1DUP	2225756-12DUP	Water	10/26/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Chloride, Nitrate as Nitrogen, Sulfate by Environmental Protection Agency (EPA) Method 300.0
Nitrite as Nitrogen by EPA Method 353.2
Hexavalent Chromium by EPA Method 218.6
Orthophosphate as Phosphorus by EPA Method 365.1
Perchlorate by EPA Method 314.0

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
MW-22-5 MW-22-4 MW-24-5	Hexavalent chromium	56 hours	24 hours	J (all detects)	P
EB-3-102622	Hexavalent chromium	52 hours	24 hours	J (all detects)	P

II. Initial Calibration

All criteria for the initial calibration of each method were met.

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Analyte	Maximum Concentration	Associated Samples
PB (prep blank)	Hexavalent chromium	0.000025 mg/L	MW-22-2 DUP-4-4Q22 MW-24-5 MW-24-4 MW-24-3 MW-24-2 DUP-5-4Q22 MW-24-1 EB-3-102622
PB (prep blank)	Chloride Sulfate	0.184 mg/L 0.437 mg/L	MW-24-1

Data qualification by the laboratory blanks was based on the maximum contaminant concentration in the laboratory blanks in the analysis of each analyte. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-24-3	Hexavalent chromium	0.000087 mg/L	0.000087U mg/L

V. Field Blanks

Sample EB-3-102622 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
EB-3-102622	10/26/22	Hexavalent chromium	0.00016 mg/L	MW-22-5 MW-22-4 MW-22-3 MW-22-2 DUP-4-4Q22 MW-24-5 MW-24-4 MW-24-3 MW-24-2 DUP-5-4Q22 MW-24-1

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-22-5	Hexavalent chromium	0.00022 mg/L	0.00022U mg/L
MW-24-3	Hexavalent chromium	0.000087 mg/L	0.000087U mg/L

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

Samples MW-22-2 and DUP-4-4Q22 and samples MW-24-2 and DUP-5-4Q22 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD
	MW-22-2	DUP-4-4Q22	
Hexavalent chromium	0.0021	0.0034	47
Perchlorate	3.2	2.4	29

Analyte	Concentration (ug/L)		RPD
	MW-24-2	DUP-5-4Q22	
Hexavalent chromium	0.0015	0.0015	0
Perchlorate	17	15	13

X Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

Due to technical holding time, data were qualified as estimated in four samples.

Due to laboratory blank contamination, data were qualified as not detected in one sample.

Due to equipment blank contamination, data were qualified as not detected in two samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Wet Chemistry - Data Qualification Summary - SDG 2225756

Sample	Analyte	Flag	A or P	Reason
MW-22-5 MW-22-4 MW-24-5 EB-3-102622	Hexavalent chromium	J (all detects)	P	Technical holding times

NASA JPL, 4Q2022
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 2225756

Sample	Analyte	Modified Final Concentration	A or P
MW-24-3	Hexavalent chromium	0.000087U mg/L	A

NASA JPL, 4Q2022
Wet Chemistry - Field Blank Data Qualification Summary - SDG 2225756

Sample	Analyte	Modified Final Concentration	A or P
MW-22-5	Hexavalent chromium	0.00022U mg/L	A
MW-24-3	Hexavalent chromium	0.000087U mg/L	A

LDC #: 55579A6 **VALIDATION COMPLETENESS WORKSHEET** Date: 3/14/23
SDG #: 2225756 Level III Page: 1 of 2
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: LW
2nd Reviewer: [illegible]

METHOD: (Analyte) Chloride, Nitrate-N, Sulfate (EPA Method 300.0), Nitrite-N (EPA Method 353.2), Hexavalent Chromium (EPA Method 218.6), Orthophosphate-P (EPA Method 365.1), Perchlorate (EPA Method 314.0)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A SW	
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	SW	
V	Field blanks	SW	EB: 12
VI.	Matrix Spike/Matrix Spike Duplicates	A	
VII.	Duplicate sample analysis	A	
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	SW	D1: (4,5) D2: (9,10)
X.	Target Analyte Quantitation	N	
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1	MW-22-5		2225756-02	Water	10/26/22
2	MW-22-4		2225756-03	Water	10/26/22
3	MW-22-3		2225756-04	Water	10/26/22
4	MW-22-2	D1	2225756-05	Water	10/26/22
5	DUP-4-4Q22	D1	2225756-06	Water	10/26/22
6	MW-24-5		2225756-07	Water	10/26/22
7	MW-24-4		2225756-08	Water	10/26/22
8	MW-24-3		2225756-09	Water	10/26/22
9	MW-24-2	D2	2225756-10	Water	10/26/22
10	DUP-5-4Q22	D2	2225756-11	Water	10/26/22
11	MW-24-1		2225756-12	Water	10/26/22
12	EB-3-102622	EB	2225756-13	Water	10/26/22
13	MW-22-2MS		2225756-05MS	Water	10/26/22
14	MW-22-2MSD		2225756-05MSD	Water	10/26/22
15	MW-22-2DUP		2225756-05DUP	Water	10/26/22
16	MW-24-1MS		2225756-12MS	Water	10/26/22
17	MW-24-1MSD		2225756-12MSD	Water	10/26/22

LDC #: 55579A6 **VALIDATION COMPLETENESS WORKSHEET** Date: 3/14/23
SDG #: 2225756 Level III Page: 2 of 2
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: LN
2nd Reviewer:

METHOD: (Analyte) Chloride, Nitrate-N, Sulfate (EPA Method 300.0), Nitrite-N (EPA Method 353.2), Hexavalent Chromium (EPA Method 218.6), Orthophosphate-P (EPA Method 365.1), Perchlorate (EPA Method 314.0)

	Client ID	Lab ID	Matrix	Date
18	MW-24-1DUP	2225756-12DUP	Water	10/26/22
19				
20				
21				

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1-12	Cr(VI), ClO4
11	Cl, NO3-N, SO4, NO2-N, O-PO4-P
QC	
13,14	Cr(VI)
15	Cr(VI)
16,17	NO2-N, O-PO4-P
18	NO2-N, O-PO4-P

METHOD: Inorganics
All samples were properly preserved and within the requried holding time with the following exceptions:

		Method: 218.6 Analyte: Hexavalent Chromium Holding Time: 24 hours			
Sample ID	Sampling Date	Analysis Date	Total Time from Collection to Analysis	Qualifier	Det/ND
1	10/26/2022 8:20	10/28/2022 16:02	56	J/R/P	Dets
2	10/26/2022 9:00	10/28/2022 16:31	56	J/R/P	Dets
6	10/26/2022 11:20	10/28/2022 18:54	56	J/R/P	Dets
12	10/26/2022 14:00	10/28/2022 17:57	52	J/R/P	Dets

Preservation

Sample ID	Preservation	Preservation Requirement (pH)	Qualifier	Det/ND
1	9.24	9.3-9.7	J/UJ/P	Dets
2	9.12	9.3-9.7	J/UJ/P	Dets
6	9.04	9.3-9.7	J/UJ/P	Dets
12	9.11	9.3-9.7	J/UJ/P	Dets

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: mg/L Associated Samples: 4-12

				Sample Identification							
Analyte	**PB (mg/L)**	**Maximum ICB/CCB (units)**	**Action Level**	8							
Cr(VI)	0.000025		0.000125	0.000087/~~0.0002~~ U							

Sample Concentration, unless otherwise noted: mg/L Associated Samples: 11

				Sample Identification							
Analyte	**PB (mg/L)**	**Maximum ICB/CCB (units)**	**Action Level**	NQ							
Cl	0.184		0.92								
SO4	0.437		2.185								

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is establised at 5X the highest ICB, CCB, or PB concentration.

VALIDATION FINDINGS WORKSHEET
Field Blanks

METHOD: Inorganics

Blank units: mg/L Associated sample units: mg/L
Sampling Date: 10/26/22 Associated Samples: 1-11

			Sample Identification								
Analyte	Blank ID	Action Level	1	8							
	12										
Cr(VI)	0.00016	0.0008	0.00022U	0.000087~~/0.0002 U~~	U						

Comments: The action level, when applicable, is establised at 5X the highest concentration.

METHOD: Inorganics

Analyte	Concentration (mg/L)		RPD	Qualifiers (Parents Only)
	4	5		
Hexavalent Chromium	0.0021	0.0034	47	
Perchlorate	3.2	2.4	29	
Analyte	**Concentration (ug/L)**		**RPD**	**Qualifiers (Parents Only)**
	9	**10**		
Hexavalent Chromium	0.0015	0.0015	0	
Perchlorate	17	15	13	

LDC Report# 55579B1a

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: January 10, 2023

Parameters: Volatiles

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225921

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
TB-4-102722	2225921-01	Water	10/27/22
MW-17-5	2225921-02	Water	10/27/22
MW-17-4	2225921-03	Water	10/27/22
MW-17-3	2225921-04	Water	10/27/22
MW-17-2	2225921-05	Water	10/27/22
MW-3-5	2225921-06	Water	10/27/22
MW-3-4	2225921-07	Water	10/27/22
DUP-6-4Q22	2225921-08	Water	10/27/22
MW-3-3	2225921-09	Water	10/27/22
MW-3-2	2225921-10	Water	10/27/22
EB-4-102722	2225921-11	Water	10/27/22
MW-17-2MS	2225921-05MS	Water	10/27/22
MW-17-2MSD	2225921-05MSD	Water	10/27/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method 524.2

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
11/04/22 (12:43)	Bromomethane	60.9	TB-4-102722	UJ (all non-detects)	P
11/04/22 (13:07)	Carbon disulfide Methyl iodide	30.8 74.1	TB-4-102722	UJ (all non-detects) UJ (all non-detects)	P

Date	Analyte	%D	Associated Samples	Flag	A or P
11/06/22 (11:17)	Bromomethane	61.2	MW-17-5 MW-17-4 MW-17-3 MW-17-2 MW-3-5 MW-3-4 DUP-6-4Q22 MW-3-3 MW-3-2 EB-4-102722	UJ (all non-detects)	P
11/06/22 (11:40)	Acetone Acrylonitrile Methyl iodide Propionitrile	32.9 33.9 75.0 35.0	MW-17-5 MW-17-4 MW-17-3 MW-17-2 MW-3-5 MW-3-4 DUP-6-4Q22 MW-3-3 MW-3-2 EB-4-102722	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TB-4-102722 was identified as a trip blank. No contaminants were found.

Sample EB-4-102722 was identified as an equipment blank. No contaminants were found.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

Samples MW-3-4 and DUP-6-4Q22 were identified as field duplicates. No results were detected in any of the samples.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Targe Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Level III validation.

XIV. System Performance

Raw data were not reviewed for Level III validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to continuing calibration %D, data were qualified as estimated in eleven samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Volatiles - Data Qualification Summary - SDG 2225921

Sample	Analyte	Flag	A or P	Reason
TB-4-102722	Bromomethane Carbon disulfide Methyl iodide	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Continuing calibration (%D)
MW-17-5 MW-17-4 MW-17-3 MW-17-2 MW-3-5 MW-3-4 DUP-6-4Q22 MW-3-3 MW-3-2 EB-4-102722	Bromomethane Acetone Acrylonitrile Methyl iodide Propionitrile	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Continuing calibration (%D)

NASA JPL, 4Q2022
Volatiles - Laboratory Blank Data Qualification Summary - SDG 2225921

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Volatiles - Field Blank Data Qualification Summary - SDG 2225921

No Sample Data Qualified in this SDG

LDC #: 55579B1a **VALIDATION COMPLETENESS WORKSHEET** Date: 1/4/23
SDG #: 2225921 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer:
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A /A	%D/RSD ≤ 20, 1 ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 30
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	TB = 1 EB = 1
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	
X.	Field duplicates	ND	D = 7, 8
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	
XIII.	Target analyte identification	N	
XIV.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank
SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	TB-4-102722	2225921-01	Water	10/27/22
2	MW-17-5	2225921-02	Water	10/27/22
3	MW-17-4	2225921-03	Water	10/27/22
4	MW-17-3	2225921-04	Water	10/27/22
5	MW-17-2	2225921-05	Water	10/27/22
6	MW-3-5	2225921-06	Water	10/27/22
7	MW-3-4	2225921-07	Water	10/27/22
8	DUP-6-4Q22	2225921-08	Water	10/27/22
9	MW-3-3	2225921-09	Water	10/27/22
10	MW-3-2	2225921-10	Water	10/27/22
11	EB-4-102722	2225921-11	Water	10/27/22
12	MW-17-2MS	2225921-05MS	Water	10/27/22
13	MW-17-2MSD	2225921-05MSD	Water	10/27/22
14				
15	B153142			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 55579B1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method ~~8260~~) 524.2

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?

Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	11/4/22 1243	2220534-CCV1	B	60.9		#1, CCB1	J/UJ/P NP
	11/4/22 1307	2220534-CCV2	G	30.8		↓	J/UJ/P NP ↓
			Methyl Iodide	74.1			
	11/4/22 1117	2220617-CCV1	B	61.2		2 → 13, B153142-MB3	J/UJ/P MP
	11/6/22 1140	2220617-CCV2	F	32.9		↓	J/UJ/P MP ↓
			GGGG	33.9			
			Methyl Iodide	75.0			
			KKKK	35.0		↓	↓

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 16, 2023

Parameters: Chromium

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225921

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-17-5	2225921-02	Water	10/27/22
MW-17-4	2225921-03	Water	10/27/22
MW-17-3	2225921-04	Water	10/27/22
MW-17-2	2225921-05	Water	10/27/22
MW-3-5	2225921-06	Water	10/27/22
MW-3-4	2225921-07	Water	10/27/22
DUP-6-4Q22	2225921-08	Water	10/27/22
MW-3-3	2225921-09	Water	10/27/22
MW-3-2	2225921-10	Water	10/27/22
EB-4-102722	2225921-11	Water	10/27/22
MW-17-2MS	2225921-05MS	Water	10/27/22
MW-17-2MSD	2225921-05MSD	Water	10/27/22
MW-17-2DUP	2225921-05DUP	Water	10/27/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Chromium by Environmental Protection Agency (EPA) Method 200.8

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. ICPMS Tune

The mass calibration was within 0.1 AMU and the percent relative standard deviation (%RSD) was less than or equal to 5%.

III. Instrument Calibration

Initial and continuing calibrations were performed as required by the method.

The initial calibration verification (ICV) and continuing calibration verification (CCV) standards were within QC limits.

IV. ICP Interference Check Sample Analysis

Interference check sample (ICS) analysis was not required by the method.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample EB-4-102722 was identified as an equipment blank. No contaminants were found.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

IX. Serial Dilution

Serial dilution analysis was performed on an associated project sample. Percent differences (%D) were within QC limits.

X. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

XI. Field Duplicates

Samples MW-3-4 and DUP-6-4Q22 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (ug/L)		RPD
	MW-3-4	DUP-6-4Q22	
Chromium	14	12	15

XII. Internal Standards (ICP-MS)

All internal standard percent recoveries (%R) were within QC limits.

XIII. Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable.

NASA JPL, 4Q2022
Chromium - Data Qualification Summary - SDG 2225921

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Laboratory Blank Data Qualification Summary - SDG 2225921

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Field Blank Data Qualification Summary - SDG 2225921

No Sample Data Qualified in this SDG

LDC #: 55579B4a **VALIDATION COMPLETENESS WORKSHEET** Date: 3/15/23
SDG #: 2225921 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JN
2nd Reviewer:

METHOD: Chromium (EPA Method 200.8)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	ICP/MS Tune	A	
III.	Instrument Calibration	A	
IV.	ICP Interference Check Sample (ICS) Analysis	A	
V.	Laboratory Blanks	A	
VI.	Field Blanks	ND	EB: 10
VII.	Matrix Spike/Matrix Spike Duplicates	A	
VIII.	Duplicate sample analysis	A	
IX.	Serial Dilution	A	
X.	Laboratory control samples	A	LCS
XI.	Field Duplicates	SW	D: (6,7)
XII.	Internal Standard (ICP-MS)	A	
XIII.	Target Analyte Quantitation	N	
XIV.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-17-5	2225921-02	Water	10/27/22
2	MW-17-4	2225921-03	Water	10/27/22
3	MW-17-3	2225921-04	Water	10/27/22
4	MW-17-2	2225921-05	Water	10/27/22
5	MW-3-5	2225921-06	Water	10/27/22
6	MW-3-4 D1	2225921-07	Water	10/27/22
7	DUP-6-4Q22 D1	2225921-08	Water	10/27/22
8	MW-3-3	2225921-09	Water	10/27/22
9	MW-3-2	2225921-10	Water	10/27/22
10	EB-4-102722 EB	2225921-11	Water	10/27/22
11	MW-17-2MS	2225921-05MS	Water	10/27/22
12	MW-17-2MSD	2225921-05MSD	Water	10/27/22
13	MW-17-2DUP	2225921-05DUP	Water	10/27/22
14				

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1-10	Cr
QC	
11-13	Cr

Analysis Method

ICP	
ICP-MS	
CVAA	

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: LN

Method: Metals

Analyte	Concentration (ug/L)		RPD	Qualifiers (Parents Only)
	6	7		
Chromium	14	12	15	

LDC Report# 55579B6

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 16, 2023

Parameters: Wet Chemistry

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2225921

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-17-5	2225921-02	Water	10/27/22
MW-17-4	2225921-03	Water	10/27/22
MW-17-3	2225921-04	Water	10/27/22
MW-17-2	2225921-05	Water	10/27/22
MW-3-5	2225921-06	Water	10/27/22
MW-3-4	2225921-07	Water	10/27/22
DUP-6-4Q22	2225921-08	Water	10/27/22
MW-3-3	2225921-09	Water	10/27/22
MW-3-2	2225921-10	Water	10/27/22
EB-4-102722	2225921-11	Water	10/27/22
MW-17-2MS	2225921-05MS	Water	10/27/22
MW-17-2MSD	2225921-05MSD	Water	10/27/22
MW-17-2DUP	2225921-05DUP	Water	10/27/22
MW-3-3MS	2225921-09MS	Water	10/27/22
MW-3-3MSD	2225921-09MSD	Water	10/27/22
MW-3-3DUP	2225921-09DUP	Water	10/27/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Hexavalent Chromium by Environmental Protection Agency (EPA) Method 218.6
Perchlorate by EPA Method 314.0

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
MW-17-4	Hexavalent chromium	145 hours	24 hours	J (all detects)	P
MW-17-2 MW-3-4 MW-3-3	Hexavalent chromium	143 hours	24 hours	J (all detects)	P

II. Initial Calibration

All criteria for the initial calibration of each method were met.

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Analyte	Maximum Concentration	Associated Samples
PB (prep blank)	Hexavalent chromium	0.000025 mg/L	MW-17-5 MW-17-4 MW-17-3 MW-17-2 MW-3-5 MW-3-4 DUP-6-4Q22 MW-3-3 MW-3-2 EB-4-102722

Data qualification by the laboratory blanks was based on the maximum contaminant concentration in the laboratory blanks in the analysis of each analyte. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-17-3	Hexavalent chromium	0.000099 mg/L	0.000099U mg/L
MW-17-2	Hexavalent chromium	0.000081 mg/L	0.000081U mg/L

V. Field Blanks

Sample EB-4-102722 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
EB-4-102722	10/27/22	Hexavalent chromium	0.0001 mg/L	MW-17-5 MW-17-4 MW-17-3 MW-17-2 MW-3-5 MW-3-4 DUP-6-4Q22 MW-3-3 MW-3-2

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-17-3	Hexavalent chromium	0.000099 mg/L	0.000099U mg/L
MW-17-2	Hexavalent chromium	0.000081 mg/L	0.000081U mg/L
MW-3-5	Hexavalent chromium	0.00044 mg/L	0.00044U mg/L
MW-3-4	Hexavalent chromium	0.00027 mg/L	0.00027U mg/L
DUP-6-4Q22	Hexavalent chromium	0.00026 mg/L	0.00026U mg/L
MW-3-2	Hexavalent chromium	0.00046 mg/L	0.00046U mg/L

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

Samples MW-3-4 and DUP-6-4Q22 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD
	MW-3-4	DUP-6-4Q22	
Hexavalent chromium	0.00027	0.00026	4
Perchlorate	5.0	4.9	2

X Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

Due to technical holding time, data were qualified as estimated in four samples.

Due to laboratory blank contamination, data were qualified as not detected in two samples.

Due to equipment blank contamination, data were qualified as not detected in six samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Wet Chemistry - Data Qualification Summary - SDG 2225921

Sample	Analyte	Flag	A or P	Reason
MW-17-4 MW-17-2 MW-3-4 MW-3-3	Hexavalent chromium	J (all detects)	P	Technical holding times

NASA JPL, 4Q2022
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 2225921

Sample	Analyte	Modified Final Concentration	A or P
MW-17-3	Hexavalent chromium	0.000099U mg/L	A
MW-17-2	Hexavalent chromium	0.000081U mg/L	A

NASA JPL, 4Q2022
Wet Chemistry - Field Blank Data Qualification Summary - SDG 2225921

Sample	Analyte	Modified Final Concentration	A or P
MW-17-3	Hexavalent chromium	0.000099U mg/L	A
MW-17-2	Hexavalent chromium	0.000081U mg/L	A
MW-3-5	Hexavalent chromium	0.00044U mg/L	A
MW-3-4	Hexavalent chromium	0.00027U mg/L	A
DUP-6-4Q22	Hexavalent chromium	0.00026U mg/L	A
MW-3-2	Hexavalent chromium	0.00046U mg/L	A

LDC #: 55579B6 **VALIDATION COMPLETENESS WORKSHEET** Date: 3/15/23
SDG #: 2225921 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: (Analyte) Hexavalent Chromium (EPA Method 218.6), Perchlorate (EPA Method 314.0)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A SW	
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	SW	
V	Field blanks	SW	EB: 10
VI.	Matrix Spike/Matrix Spike Duplicates	A	
VII.	Duplicate sample analysis	SW	
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	SW	D1: 6, 7
X.	Target Analyte Quantitation	N	
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-17-5	2225921-02	Water	10/27/22
2	MW-17-4	2225921-03	Water	10/27/22
3	MW-17-3	2225921-04	Water	10/27/22
4	MW-17-2	2225921-05	Water	10/27/22
5	MW-3-5	2225921-06	Water	10/27/22
6	MW-3-4 D1	2225921-07	Water	10/27/22
7	DUP-6-4Q22 D1	2225921-08	Water	10/27/22
8	MW-3-3	2225921-09	Water	10/27/22
9	MW-3-2	2225921-10	Water	10/27/22
10	EB-4-102722 EB	2225921-11	Water	10/27/22
11	MW-17-2MS	2225921-05MS	Water	10/27/22
12	MW-17-2MSD	2225921-05MSD	Water	10/27/22
13	MW-17-2DUP	2225921-05DUP	Water	10/27/22
14	MW-3-3MS	2225921-09MS	Water	10/27/22
15	MW-3-3MSD	2225921-09MSD	Water	10/27/22
16	MW-3-3DUP	2225921-09DUP	Water	10/27/22
17				

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1-10	Cr(VI), ClO4
QC	
11,12	Cr(VI), ClO4
13	Cr(VI), ClO4
14,15	ClO4
16	ClO4

METHOD: Inorganics
All samples were properly preserved and within the requried holding time with the following exceptions:

		Method: 218.6 Analyte: Hexavalent Chromium Holding Time: 24 hours			
Sample ID	Sampling Date	Analysis Date	Total Time from Collection to Analysis	Qualifier	Det/ND
2	10/27/2022 9:05	11/2/2022 10:19	145	J/R/P	Dets
4	10/27/2022 10:05	11/2/2022 9:31	143	J/R/P	Dets
6	10/27/2022 12:00	11/2/2022 11:07	143	J/R/P	Dets
8	10/27/2022 12:50	11/2/2022 11:26	143	J/R/P	Dets

Preservation

Sample ID	Preservation	Preservation Requirement (pH)	Qualifier	Det/ND
2	9.12	9.3-9.7	J/UJ/P	Dets
4	9.23	9.3-9.7	J/UJ/P	Dets
6	9.25	9.3-9.7	J/UJ/P	Dets
8	9.27	9.3-9.7	J/UJ/P	Dets

VALIDATION FINDINGS WORKSHEET
Laboratory Blank Contamination (PB/ICB/CCB)

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: mg/L

Associated Samples: 1-10

				Sample Identification						
Analyte	**PB (mg/L)**	**Maximum ICB/CCB (units)**	**Action Level**	3	4					
Cr(VI)	0.000025		0.000125							
				0.000099/~~0.0002~~ U	0.000081/~~0.0002~~ U					

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is establised at 5X the highest ICB, CCB, or PB concentration.

VALIDATION FINDINGS WORKSHEET
Field Blanks

METHOD: Inorganics

Blank units: mg/L Associated sample units: mg/L
Sampling Date: 10/27/22 Associated Samples: 1-9

			Sample Identification							
Analyte	Blank ID	Action Level	3	4	5	6	7	9		
	10									
Cr(VI)	0.0001	0.0005	0.000099/~~0.0002~~ U	0.000081/~~0.0002~~ U	0.00044U	0.00027U	0.00026U	0.00046U		

Comments: The action level, when applicable, is estabilised at 5X the highest concentration.

Laboratory Duplicates

METHOD: Inorganics

Laboratory duplicate analysis was performed by the laboratory. All laboratory duplicates were within the relative percent difference (RPD) for samples >5X the reporting limits with the exceptions listed below. If samples were <5X the reporting limits, the difference was within 1X the reporting limit for water samples and within 2X the reporting limit for soil samples for all samples with the exceptions listed below.

Duplicate ID	Matrix	Analyte	RPD	RPD Limit	Difference (units)	Difference Limit	Associated Samples	Qualification	Det/ND
13	Water	Cr(VI)			0.000018	0.0002	13	NQ	Dets

Comments:

Field Duplicates

METHOD: Inorganics

Analyte	Concentration (mg/L)		RPD	Qualifiers (Parents Only)
	6	7		
Hexavalent Chromium	0.00027	0.00026	4	
Perchlorate	5.0	4.9	2	

LDC Report# 55579C1a

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: January 10, 2023

Parameters: Volatiles

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2226382

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
TB-6-103122	2226382-01	Water	10/31/22
MW-4-5	2226382-02	Water	10/31/22
MW-4-4	2226382-03	Water	10/31/22
MW-4-3	2226382-04	Water	10/31/22
DUP-7-4Q22	2226382-05	Water	10/31/22
MW-4-2	2226382-06	Water	10/31/22
MW-12-5	2226382-07	Water	10/31/22
MW-12-4	2226382-08	Water	10/31/22
MW-12-3	2226382-09	Water	10/31/22
MW-12-2	2226382-10	Water	10/31/22
EB-6-103122	2226382-11	Water	10/31/22
DUP-7-4Q22MS	2226382-05MS	Water	10/31/22
DUP-7-4Q22MSD	2226382-05MSD	Water	10/31/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method 524.2

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
11/07/22 (10:28)	Bromomethane	60.0	TB-6-103122 MW-4-4 MW-4-3	UJ (all non-detects)	A
11/07/22 (10:52)	Carbon disulfide Methyl iodide Pentachloroethane	45.4 83.1 30.9	TB-6-103122 MW-4-4 MW-4-3	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A

Date	Analyte	%D	Associated Samples	Flag	A or P
11/08/22 (10:21)	Bromomethane	47.5	MW-4-5 DUP-7-4Q22 MW-4-2 MW-12-5 MW-12-4 MW-12-3 MW-12-2 EB-6-103122	UJ (all non-detects)	A
11/08/22 (10:45)	Carbon disulfide Methyl iodide	36.1 83.8	MW-4-5 DUP-7-4Q22 MW-4-2 MW-12-5 MW-12-4 MW-12-3 MW-12-2 EB-6-103122	UJ (all non-detects) UJ (all non-detects)	A

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TB-6-103122 was identified as a trip blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
TB-6-103122	10/31/22	Methylene chloride	0.59 ug/L	MW-4-5 MW-4-4 MW-4-3 DUP-7-4Q22 MW-4-2 MW-12-5 MW-12-4 MW-12-3 MW-12-2 EB-6-103122

Sample EB-6-103122 was identified as an equipment blank. No contaminants were found.

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

Samples MW-4-3 and DUP-7-4Q22 were identified as field duplicates. No results were detected in any of the samples.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Targe Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Level III validation.

XIV. System Performance

Raw data were not reviewed for Level III validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to continuing calibration %D, data were qualified as estimated in eleven samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Volatiles - Data Qualification Summary - SDG 2226382

Sample	Analyte	Flag	A or P	Reason
TB-6-103122 MW-4-4 MW-4-3	Bromomethane Carbon disulfide Methyl iodide Pentachloroethane	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Continuing calibration (%D)
MW-4-5 DUP-7-4Q22 MW-4-2 MW-12-5 MW-12-4 MW-12-3 MW-12-2 EB-6-103122	Bromomethane Carbon disulfide Methyl iodide	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Continuing calibration (%D)

NASA JPL, 4Q2022
Volatiles - Laboratory Blank Data Qualification Summary - SDG 2226382

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Volatiles - Field Blank Data Qualification Summary - SDG 2226382

No Sample Data Qualified in this SDG

LDC #: 55579C1a **VALIDATION COMPLETENESS WORKSHEET** Date: 1/4/23
SDG #: 2226382 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A LA	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	%RSD ≤ 20, r ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 30
V.	Laboratory Blanks	ND	
VI.	Field blanks	SW	TB = 1 EB = 11
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	ND	D = 4, 5
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	
XIII.	Target analyte identification	N	
XIV	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	TB-6-103122	2226382-01	Water	10/31/22
2	MW-4-5	2226382-02	Water	10/31/22
3	MW-4-4	2226382-03	Water	10/31/22
4	MW-4-3 D	2226382-04	Water	10/31/22
5	DUP-7-4Q22 D	2226382-05	Water	10/31/22
6	MW-4-2	2226382-06	Water	10/31/22
7	MW-12-5	2226382-07	Water	10/31/22
8	MW-12-4	2226382-08	Water	10/31/22
9	MW-12-3	2226382-09	Water	10/31/22
10	MW-12-2	2226382-10	Water	10/31/22
11	EB-6-103122	2226382-11	Water	10/31/22
12	DUP-7-4Q22MS	2226382-05MS	Water	10/31/22
13	DUP-7-4Q22MSD	2226382-05MSD	Water	10/31/22
14				
15	D B153223			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 55579C1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method ~~8260~~)524.2

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤~~20~~ %D and ≥0.05 RRF ? 30

#	Date	Standard ID	Compound	Finding %D (Limit: ≤~~20.0%~~ 30)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	11/7/22	2220642-CCV1	B	60.0		1, 3, 4, CCB 1	J/UJ/A NP
	1028						
	11/7/22	2220642-CCV2	G	45.4		↓	J/UJ/A NP
	1052		Methyl Iodide	83.1			
			ZZZZ	30.9		↓	↓
	11/8/22	2220724-CCV1	B	47.5		2, 5→13, BI53223-MB	J/UJ/A NP
	1021						↓
	11/8/22	2220724-CCV2	G	36.1		↓	J/UJ/A NP
	1045		Methyl Iodide	83.8			↓

LDC #: 55579c1a

VALIDATION FINDINGS WORKSHEET
Field Blanks

METHOD: ✓ **GC** __ **HPLC**

Y N N/A Were field blanks identified in this SDG?

Y N N/A Were target compounds detected in the field blanks?

Blank units: ug/l ✓ **Associated sample units:** ug/l ✓

Sampling date: 10/31/22 ✓

Field blank type: (circle one) Field Blank / Trip Blank / Atmospheric Blank / Ambient Blank Rinsate / Equipment Rinsate / Equipment Blank / Source Blank / Other: TB

Associated Samples: 2 → 7 11 (ND)

Compound	Blank ID	Blank ID	Sample Identification							
	1									
E	0.59									
CRQL										

Blank units: _____ **Associated sample units:** _____

Sampling date: _____

Field blank type: (circle one) Field Blank / Trip Blank/ Atmospheric Blank/ Ambient Blank Rinsate / Equipment Rinsate / Equipment Blank / Source Blank / Other: _____

Associated Samples: _____

Compound	Blank ID	Blank ID	Sample Identification							
CRQL										

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 16, 2023

Parameters: Chromium

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2226382

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-4-5	2226382-02	Water	10/31/22
MW-4-4	2226382-03	Water	10/31/22
MW-4-3	2226382-04	Water	10/31/22
DUP-7-4Q22	2226382-05	Water	10/31/22
MW-4-2	2226382-06	Water	10/31/22
MW-12-5	2226382-07	Water	10/31/22
MW-12-4	2226382-08	Water	10/31/22
MW-12-3	2226382-09	Water	10/31/22
MW-12-2	2226382-10	Water	10/31/22
EB-6-103122	2226382-11	Water	10/31/22
MW-4-5MS	2226382-02MS	Water	10/31/22
MW-4-5MSD	2226382-02MSD	Water	10/31/22
MW-4-5DUP	2226382-02DUP	Water	10/31/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Chromium by Environmental Protection Agency (EPA) Method 200.8

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. ICPMS Tune

The mass calibration was within 0.1 AMU and the percent relative standard deviation (%RSD) was less than or equal to 5%.

III. Instrument Calibration

Initial and continuing calibrations were performed as required by the method.

The initial calibration verification (ICV) and continuing calibration verification (CCV) standards were within QC limits.

IV. ICP Interference Check Sample Analysis

Interference check sample (ICS) analysis was not required by the method.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample EB-6-103122 was identified as an equipment blank. No contaminants were found.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

IX. Serial Dilution

Serial dilution analysis was performed on an associated project sample. Percent differences (%D) were within QC limits.

X. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

XI. Field Duplicates

Samples MW-4-3 and DUP-7-4Q22 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (ug/L)		RPD
	MW-4-3	DUP-7-4Q22	
Chromium	1.0	2.4	82

XII. Internal Standards (ICP-MS)

All internal standard percent recoveries (%R) were within QC limits.

XIII. Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable.

NASA JPL, 4Q2022
Chromium - Data Qualification Summary - SDG 2226382

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Laboratory Blank Data Qualification Summary - SDG 2226382

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Field Blank Data Qualification Summary - SDG 2226382

No Sample Data Qualified in this SDG

LDC #: 55579C4a **VALIDATION COMPLETENESS WORKSHEET** Date: 3/15/22
SDG #: 2226382 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: Chromium (EPA Method 200.8)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	ICP/MS Tune	A	
III.	Instrument Calibration	A	
IV.	ICP Interference Check Sample (ICS) Analysis	A	
V.	Laboratory Blanks	A	
VI.	Field Blanks	ND	EB: 10
VII.	Matrix Spike/Matrix Spike Duplicates	A	
VIII.	Duplicate sample analysis	A	
IX.	Serial Dilution	A	
X.	Laboratory control samples	A	LCS
XI.	Field Duplicates	SW	D1: (3,4)
XII.	Internal Standard (ICP-MS)	A	
XIII.	Target Analyte Quantitation	N	
XIV.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-4-5	2226382-02	Water	10/31/22
2	MW-4-4	2226382-03	Water	10/31/22
3	MW-4-3 D1	2226382-04	Water	10/31/22
4	DUP-7-4Q22 D1	2226382-05	Water	10/31/22
5	MW-4-2	2226382-06	Water	10/31/22
6	MW-12-5	2226382-07	Water	10/31/22
7	MW-12-4	2226382-08	Water	10/31/22
8	MW-12-3	2226382-09	Water	10/31/22
9	MW-12-2	2226382-10	Water	10/31/22
10	EB-6-103122 EB	2226382-11	Water	10/31/22
11	MW-4-5MS	2226382-02MS	Water	10/31/22
12	MW-4-5MSD	2226382-02MSD	Water	10/31/22
13	MW-4-5DUP	2226382-02DUP	Water	10/31/22
14				

Notes:

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: LN

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1-10	Cr
QC	
11-13	Cr

Analysis Method

ICP	
ICP-MS	
CVAA	

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: LN

Method: Metals

Analyte	Concentration (ug/L)		RPD	Qualifiers (Parents Only)
	3	4		
Chromium	1.0	2.4	82	

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 16, 2023

Parameters: Wet Chemistry

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2226382

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-4-5	2226382-02	Water	10/31/22
MW-4-4	2226382-03	Water	10/31/22
MW-4-3	2226382-04	Water	10/31/22
DUP-7-4Q22	2226382-05	Water	10/31/22
MW-4-2	2226382-06	Water	10/31/22
MW-12-5	2226382-07	Water	10/31/22
MW-12-4	2226382-08	Water	10/31/22
MW-12-3	2226382-09	Water	10/31/22
MW-12-2	2226382-10	Water	10/31/22
EB-6-103122	2226382-11	Water	10/31/22
EB-6-103122MS	2226382-11MS	Water	10/31/22
EB-6-103122MSD	2226382-11MSD	Water	10/31/22
EB-6-103122DUP	2226382-11DUP	Water	10/31/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Hexavalent Chromium by Environmental Protection Agency (EPA) Method 218.6
Perchlorate by EPA Method 314.0

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
MW-4-5 MW-4-4	Hexavalent chromium	392 hours	24 hours	J (all detects)	P
MW-12-5	Hexavalent chromium	390 hours	24 hours	J (all detects)	P
MW-12-3	Hexavalent chromium	389 hours	24 hours	J (all detects)	P

II. Initial Calibration

All criteria for the initial calibration of each method were met.

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Analyte	Maximum Concentration	Associated Samples
PB (prep blank)	Hexavalent chromium	0.000025 mg/L	MW-4-5 MW-4-4 MW-4-3 DUP-7-4Q22 MW-4-2 MW-12-5 MW-12-4 MW-12-3 MW-12-2 EB-6-103122

Data qualification by the laboratory blanks was based on the maximum contaminant concentration in the laboratory blanks in the analysis of each analyte. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-4-5	Hexavalent chromium	0.000055 mg/L	0.000055U mg/L
MW-4-2	Hexavalent chromium	0.000085 mg/L	0.000085U mg/L
EB-6-103122	Hexavalent chromium	0.00011 mg/L	0.00011U mg/L

V. Field Blanks

Sample EB-6-103122 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
EB-6-103122	10/31/22	Hexavalent chromium	0.00011 mg/L	MW-4-5 MW-4-4 MW-4-3 DUP-7-4Q22 MW-4-2 MW-12-5 MW-12-4 MW-12-3 MW-12-2

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-4-5	Hexavalent chromium	0.000055 mg/L	0.000055U mg/L
MW-4-4	Hexavalent chromium	0.00021 mg/L	0.00021U mg/L
MW-4-3	Hexavalent chromium	0.00016 mg/L	0.00016U mg/L
DUP-7-4Q22	Hexavalent chromium	0.00037 mg/L	0.00037U mg/L
MW-4-2	Hexavalent chromium	0.000085 mg/L	0.000085U mg/L
MW-12-3	Hexavalent chromium	0.00028 mg/L	0.00028U mg/L
MW-12-2	Hexavalent chromium	0.0002 mg/L	0.0002U mg/L

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

Samples MW-4-3 and DUP-7-4Q22 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD
	MW-4-3	DUP-7-4Q22	
Hexavalent chromium	0.00016	0.00037	79
Perchlorate	3.2	1.3	84

X Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

Due to technical holding time, data were qualified as estimated in four samples.

Due to laboratory blank contamination, data were qualified as not detected in three samples.

Due to equipment blank contamination, data were qualified as not detected in seven samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Wet Chemistry - Data Qualification Summary - SDG 2226382

Sample	Analyte	Flag	A or P	Reason
MW-4-5 MW-4-4 MW-12-5 MW-12-3	Hexavalent chromium	J (all detects)	P	Technical holding times

NASA JPL, 4Q2022
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 2226382

Sample	Analyte	Modified Final Concentration	A or P
MW-4-5	Hexavalent chromium	0.000055U mg/L	A
MW-4-2	Hexavalent chromium	0.000085U mg/L	A
EB-6-103122	Hexavalent chromium	0.00011U mg/L	A

NASA JPL, 4Q2022
Wet Chemistry - Field Blank Data Qualification Summary - SDG 2226382

Sample	Analyte	Modified Final Concentration	A or P
MW-4-5	Hexavalent chromium	0.000055U mg/L	A
MW-4-4	Hexavalent chromium	0.00021U mg/L	A
MW-4-3	Hexavalent chromium	0.00016U mg/L	A
DUP-7-4Q22	Hexavalent chromium	0.00037U mg/L	A
MW-4-2	Hexavalent chromium	0.000085U mg/L	A
MW-12-3	Hexavalent chromium	0.00028U mg/L	A
MW-12-2	Hexavalent chromium	0.0002U mg/L	A

LDC #: 55579C6 **VALIDATION COMPLETENESS WORKSHEET** Date: 3/15/22
SDG #: 2226382 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: CN
2nd Reviewer:

METHOD: (Analyte) Hexavalent Chromium (EPA Method 218.6), Perchlorate (EPA Method 314.0)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, SW	
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	SW	
V	Field blanks	SW	EB: 10
VI.	Matrix Spike/Matrix Spike Duplicates	A	
VII.	Duplicate sample analysis	A	
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	SW	D1: 13.41
X.	Target Analyte Quantitation	N	
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-4-5	2226382-02	Water	10/31/22
2	MW-4-4	2226382-03	Water	10/31/22
3	MW-4-3 D1	2226382-04	Water	10/31/22
4	DUP-7-4Q22 D1	2226382-05	Water	10/31/22
5	MW-4-2	2226382-06	Water	10/31/22
6	MW-12-5	2226382-07	Water	10/31/22
7	MW-12-4	2226382-08	Water	10/31/22
8	MW-12-3	2226382-09	Water	10/31/22
9	MW-12-2	2226382-10	Water	10/31/22
10	EB-6-103122 EB	2226382-11	Water	10/31/22
11	EB-6-103122MS	2226382-11MS	Water	10/31/22
12	EB-6-103122MSD	2226382-11MSD	Water	10/31/22
13	EB-6-103122DUP	2226382-11DUP	Water	10/31/22
14				
15				
16				

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1-10	Cr(VI), ClO4
QC	
11-13	Cr(VI), ClO4

METHOD: Inorganics
All samples were properly preserved and within the requried holding time with the following exceptions:

		Method: 218.6 Analyte: Hexavalent Chromium Holding Time: 24 hours			
Sample ID	Sampling Date	Analysis Date	Total Time from Collection to Analysis	Qualifier	Det/ND
1	10/31/2022 7:45	11/16/2022 16:01	392	J/R/P	Dets
2	10/31/2022 8:10	11/16/2022 16:11	392	J/R/P	Dets
6	10/31/2022 10:50	11/16/2022 17:09	390	J/R/P	Dets
8	10/31/2022 12:10	11/16/2022 17:28	389	J/R/P	Dets

Preservation

Sample ID	Preservation	Preservation Requirement (pH)	Qualifier	Det/ND
1	9.21	9.3-9.7	J/UJ/P	Dets
2	9.26	9.3-9.7	J/UJ/P	Dets
6	9.14	9.3-9.7	J/UJ/P	Dets
8	9.15	9.3-9.7	J/UJ/P	Dets

VALIDATION FINDINGS WORKSHEET
Laboratory Blank Contamination (PB/ICB/CCB)

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: mg/L Associated Samples: 1-10

				Sample Identification							
Analyte	**PB (mg/L)**	**Maximum ICB/CCB (units)**	**Action Level**	1	5	10					
Cr(VI)	0.000025		0.000125	0.000055 U	0.000085 U	0.00011 U					

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is establised at 5X the highest ICB, CCB, or PB concentration.

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: LN

METHOD: Inorganics

Blank units: mg/L Associated sample units: mg/L
Sampling Date: 10/31/22 Associated Samples: 1-9

			Sample Identification									
Analyte	Blank ID	Action Level	1	2	3	4	5	8	9			
	10											
Cr(VI)	0.00011	0.00055	0.000055 U	0.00021U	0.00016 U	0.00037 J	0.000085 U	0.00028 J	0.0002 J			

Comments: The action level, when applicable, is establised at 5X the highest concentration.

Field Duplicates

METHOD: Inorganics

Analyte	Concentration (mg/L)		RPD	Qualifiers (Parents Only)
	3	4		
Hexavalent Chromium	0.00016	0.00037	79	
Perchlorate	3.2	1.3	84	

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Tidewater
3761 Attucks Drive
Powell, OH 43065
ATTN: Mr. David Conner
David.Conner@tideh2o.net

March 10, 2023

SUBJECT: NASA JPL, 4Q2022 - Data Validation

Dear Mr. Conner,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on December 21, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #55693:

SDG #	Fraction
2226304 2226756 2226757	Volatiles, Chromium, Wet Chemistry

The data validation was performed under Level III guidelines. The analysis was validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017)

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

769 pages-ADV

Attachment 1

90/10 III/IV (lab select) EDD

LDC# 55693 (Tidewater - Powell, OH / NASA JPL, 4Q2022)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (524.2)		Cr (200.8)		Cl,SO_4 NO_3-N (300.0)		NO_2-N (353.2)		O- PO_4-P (365.1)		Cr(VI) (218.6)		CLO_4 (314.0)																					
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	2226304	12/21/22	01/13/23	13	0	12	0	1	0	1	0	1	0	12	0	12	0																				
B	2226756	12/21/22	01/13/23	4	0	3	0	-	-	-	-	-	-	3	0	3	0																				
C	2226757	12/21/22	01/13/23	6	0	5	0	-	-	-	-	-	-	5	0	5	0																				
Total	TR/PG			23	0	20	0	1	0	1	0	1	0	20	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86

Shaded cells indicate Level IV validation (all other cells are Level III validation). These sample counts do not include MS/MSD, and DUPs

V:\LOGIN\Tidewater\NASA JPL\55693ST.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: January 20, 2023

Parameters: Volatiles

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2226304

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
TB-7-110122	2226304-01	Water	11/01/22
MW-21-5	2226304-02	Water	11/01/22
MW-21-4	2226304-03	Water	11/01/22
MW-21-3	2226304-04	Water	11/01/22
MW-21-2	2226304-05	Water	11/01/22
MW-11-5	2226304-06	Water	11/01/22
MW-11-4	2226304-07	Water	11/01/22
MW-11-3	2226304-08	Water	11/01/22
MW-11-2	2226304-09	Water	11/01/22
DUP-8-4Q22	2226304-10	Water	11/01/22
MW-11-1	2226304-11	Water	11/01/22
EB-7-110122	2226304-12	Water	11/01/22
SB-2-110122	2226304-13	Water	11/01/22
MW-21-3MS	2226304-04MS	Water	11/01/22
MW-21-3MSD	2226304-04MSD	Water	11/01/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method 524.2

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
11/07/22 (07NOV03)	Bromomethane	60.0	All samples in SDG 2226304	J (all detects) UJ (all non-detects)	P
11/07/22 (07NOV04)	Carbon disulfide Methyl iodide Pentachloroethane	45.4 83.1 30.9	All samples in SDG 2226304	J (all detects) UJ (all non-detects)	P

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TB-7-110122 was identified as a trip blank. No contaminants were found.

Sample EB-7-110122 was identified as an equipment blank. No contaminants were found.

Sample SB-2-110122 was identified as a source blank. No contaminants were found.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

Samples MW-11-2 and DUP-8-4Q22 were identified as field duplicates. No results were detected in any of the samples.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Targe Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to continuing calibration %D, data were qualified as estimated in thirteen samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Volatiles - Data Qualification Summary - SDG 2226304

Sample	Analyte	Flag	A or P	Reason
TB-7-110122 MW-21-5 MW-21-4 MW-21-3 MW-21-2 MW-11-5 MW-11-4 MW-11-3 MW-11-2 DUP-8-4Q22 MW-11-1 EB-7-110122 SB-2-110122	Bromomethane Carbon disulfide Methyl iodide Pentachloroethane	J (all detects) UJ (all non-detects)	P	Continuing calibration (%D)

NASA JPL, 4Q2022
Volatiles - Laboratory Blank Data Qualification Summary - SDG 2226304

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Volatiles - Field Blank Data Qualification Summary - SDG 2226304

No Sample Data Qualified in this SDG

LDC #: 55693A1a **VALIDATION COMPLETENESS WORKSHEET** Date: 01/16/23
SDG #: 2226304 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: SVG
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A, A	RSD ≤ 20? ✓ ICV ≤ 30%
IV.	Continuing calibration	SW	%D ≤ 30%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	TB = 1 EB = 12 SB = 13
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	ND	D = 9/10
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	
XIII.	Target analyte identification	N	
XIV.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank
SB=Source blank
OTHER:

	Client ID		Lab ID	Matrix	Date
1	TB-7-110122		2226304-01	Water	11/01/22
2	MW-21-5		2226304-02	Water	11/01/22
3	MW-21-4		2226304-03	Water	11/01/22
4	MW-21-3		2226304-04	Water	11/01/22
5	MW-21-2		2226304-05	Water	11/01/22
6	MW-11-5		2226304-06	Water	11/01/22
7	MW-11-4		2226304-07	Water	11/01/22
8	MW-11-3		2226304-08	Water	11/01/22
9	MW-11-2	D	2226304-09	Water	11/01/22
10	DUP-8-4Q22	D	2226304-10	Water	11/01/22
11	MW-11-1		2226304-11	Water	11/01/22
12	EB-7-110122		2226304-12	Water	11/01/22
13	SB-2-110122		2226304-13	Water	11/01/22
14	MW-21-3MS		2226304-04MS	Water	11/01/22
15	MW-21-3MSD		2226304-04MSD	Water	11/01/22

B153222-BLK1

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. Octane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. Methyl iodide
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2.
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2.
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2.
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2.
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2.
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2.
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2.
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2.
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2.
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2.
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2.
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

LDC #: 55693A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: JVG

METHOD: GC/MS VOA (EPA Method 524.2)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y (N) N/A Were all percent differences (%D) ≤ 30% ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤30.0%)	Associated Samples	Qualifications
	11/07/22	07NOV03	B	60.0	All (ND)	J/UJ/P
	11/07/22	07NOV04	G	45.4		
			C2	83.1		
			ZZZZ	30.9		

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 7, 2023

Parameters: Chromium

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2226304

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-21-5	2226304-02	Water	11/01/22
MW-21-4	2226304-03	Water	11/01/22
MW-21-3	2226304-04	Water	11/01/22
MW-21-2	2226304-05	Water	11/01/22
MW-11-5	2226304-06	Water	11/01/22
MW-11-4	2226304-07	Water	11/01/22
MW-11-3	2226304-08	Water	11/01/22
MW-11-2	2226304-09	Water	11/01/22
DUP-8-4Q22	2226304-10	Water	11/01/22
MW-11-1	2226304-11	Water	11/01/22
EB-7-110122	2226304-12	Water	11/01/22
SB-2-110122	2226304-13	Water	11/01/22
MW-21-3MS	2226304-04MS	Water	11/01/22
MW-21-3MSD	2226304-04MSD	Water	11/01/22
MW-21-3DUP	2226304-04DUP	Water	11/01/22
EB-7-110122MS	2226304-12MS	Water	11/01/22
EB-7-110122MSD	2226304-12MSD	Water	11/01/22
EB-7-110122DUP	2226304-12DUP	Water	11/01/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Chromium by Environmental Protection Agency (EPA) Method 200.8

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. ICPMS Tune

The mass calibration was within 0.1 AMU and the percent relative standard deviation (%RSD) was less than or equal to 5%.

III. Instrument Calibration

Initial and continuing calibrations were performed as required by the method.

The initial calibration verification (ICV) and continuing calibration verification (CCV) standards were within QC limits.

IV. ICP Interference Check Sample Analysis

Interference check sample (ICS) analysis was not required by the method.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample EB-7-110122 was identified as an equipment blank. No contaminants were found.

Sample SB-2-110122 was identified as a source blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
SB-2-110122	11/01/22	Chromium	0.57 ug/L	MW-21-5 MW-21-4 MW-21-3 MW-21-2 MW-11-5 MW-11-4 MW-11-3 MW-11-2 DUP-8-4Q22 MW-11-1

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-21-5	Chromium	1.3 ug/L	1.3U ug/L
MW-21-4	Chromium	1.6 ug/L	1.6U ug/L

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

IX. Serial Dilution

Serial dilution analysis was performed on an associated project sample. Percent differences (%D) were within QC limits.

X. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

XI. Field Duplicates

Samples MW-11-2 and DUP-8-4Q22 were identified as field duplicates. No results were detected in any of the samples.

XII. Internal Standards (ICP-MS)

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to source blank contamination, data were qualified as not detected in two samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Chromium - Data Qualification Summary - SDG 2226304

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Laboratory Blank Data Qualification Summary - SDG 2226304

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Field Blank Data Qualification Summary - SDG 2226304

Sample	Analyte	Modified Final Concentration	A or P
MW-21-5	Chromium	1.3U ug/L	A
MW-21-4	Chromium	1.6U ug/L	A

LDC #: 55693A4a **VALIDATION COMPLETENESS WORKSHEET** Date: 3/3/23
SDG #: 2226304 Level III Page: 1 of 2
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer:

METHOD: Chromium (EPA Method 200.8)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	ICP/MS Tune	A	
III.	Instrument Calibration	A	
IV.	ICP Interference Check Sample (ICS) Analysis	N	Not Required.
V.	Laboratory Blanks	A	
VI.	Field Blanks	SW	EB=11*;SB=12
VII.	Matrix Spike/Matrix Spike Duplicates	A	MS/MSD
VIII.	Duplicate sample analysis	A	
IX.	Serial Dilution	A	
X.	Laboratory control samples	A	LCS
XI.	Field Duplicates	SW	(8,9)
XII.	Internal Standard (ICP-MS)	N	
XIII.	Target Analyte Quantitation	N	
XIV.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected *; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-21-5	2226304-02	Water	11/01/22
2	MW-21-4	2226304-03	Water	11/01/22
3	MW-21-3	2226304-04	Water	11/01/22
4	MW-21-2	2226304-05	Water	11/01/22
5	MW-11-5	2226304-06	Water	11/01/22
6	MW-11-4	2226304-07	Water	11/01/22
7	MW-11-3	2226304-08	Water	11/01/22
8	MW-11-2	2226304-09	Water	11/01/22
9	DUP-8-4Q22	2226304-10	Water	11/01/22
10	MW-11-1	2226304-11	Water	11/01/22
11	EB-7-110122	2226304-12	Water	11/01/22
12	SB-2-110122	2226304-13	Water	11/01/22
13	MW-21-3MS	2226304-04MS	Water	11/01/22
14	MW-21-3MSD	2226304-04MSD	Water	11/01/22
15	MW-21-3DUP	2226304-04DUP	Water	11/01/22

LDC #: 55693A4a **VALIDATION COMPLETENESS WORKSHEET** Date: 3/3/23
SDG #: 2226304 Level III Page: 2 of 2
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer:

METHOD: Chromium (EPA Method 200.8)

	Client ID	Lab ID	Matrix	Date
16	EB-7-110122MS	2226304-12MS	Water	11/01/22
17	EB-7-110122MSD	2226304-12MSD	Water	11/01/22
18	EB-7-110122DUP	2226304-12DUP	Water	11/01/22
19				
20				
21				

Notes:

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: Jada Morales

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Blank units: ug/L
Sampling Date: 11/1/2022

Associated sample units: ug/L
Associated Samples: 1-10

			Sample Identification									
Analyte	Blank ID	Action Level	1	2								
	12											
Cr	0.57	2.85	1.3 U	1.6 U								

Comments: The action level, when applicable, is estabilised at 5X the highest concentration.

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 7, 2023

Parameters: Wet Chemistry

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2226304

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-21-5	2226304-02	Water	11/01/22
MW-21-4	2226304-03	Water	11/01/22
MW-21-3	2226304-04	Water	11/01/22
MW-21-2	2226304-05	Water	11/01/22
MW-11-5	2226304-06	Water	11/01/22
MW-11-4	2226304-07	Water	11/01/22
MW-11-3	2226304-08	Water	11/01/22
MW-11-2	2226304-09	Water	11/01/22
DUP-8-4Q22	2226304-10	Water	11/01/22
MW-11-1	2226304-11	Water	11/01/22
EB-7-110122	2226304-12	Water	11/01/22
SB-2-110122	2226304-13	Water	11/01/22
MW-21-5MS	2226304-02MS	Water	11/01/22
MW-21-5MSD	2226304-02MSD	Water	11/01/22
MW-21-5DUP	2226304-02DUP	Water	11/01/22
MW-21-3MS	2226304-04MS	Water	11/01/22
MW-21-3MSD	2226304-04MSD	Water	11/01/22
MW-21-3DUP	2226304-04DUP	Water	11/01/22
MW-21-2MS	2226304-05MS	Water	11/01/22
MW-21-2MSD	2226304-05MSD	Water	11/01/22
MW-21-2DUP	2226304-05DUP	Water	11/01/22
MW-11-1MS	2226304-11MS	Water	11/01/22
MW-11-1MSD	2226304-11MSD	Water	11/01/22
MW-11-1DUP	2226304-11DUP	Water	11/01/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Chloride, Nitrate as Nitrogen, and Sulfate by Environmental Protection Agency (EPA) Method 300.0
Nitrite as Nitrogen by EPA Method 353.2
Hexavalent Chromium by EPA Method 218.6
Orthophosphate as Phosphorus by EPA 365.1
Perchlorate by EPA Method 314.0

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
MW-21-4	Hexavalent chromium	174 hours	24 hours	J (all detects)	P
MW-11-5	Hexavalent chromium	152 hours	24 hours	J (all detects)	P
MW-11-4 MW-11-3 MW-11-2 DUP-8-4Q22 EB-7-110122 SB-2-110122	Hexavalent chromium	151 hours	24 hours	J (all detects)	P

II. Initial Calibration

All criteria for the initial calibration of each method were met.

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable with the following exceptions:

Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
11/22/22	2221772-CCV2	Perchlorate	114 (90-110)	MW-21-2 MW-11-5 MW-11-4 MW-11-3 MW-11-2 DUP-8-4Q22 MW-11-1 EB-7-110122 SB-2-110122	NA	-

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Analyte	Maximum Concentration	Associated Samples
PB (prep blank)	Hexavalent chromium	0.000152 mg/L	MW-21-3 MW-11-5 MW-11-4 MW-11-3 MW-11-2 DUP-8-4Q22 MW-11-1 EB-7-110122 SB-2-110122
PB (prep blank)	Chloride Sulfate	0.162 mg/L 0.248 mg/L	MW-11-1
ICB/CCB	Hexavalent chromium	0.000198 mg/L	MW-21-5 MW-21-4 MW-21-2
ICB/CCB	Hexavalent chromium	0.000063 mg/L	MW-21-3 MW-11-5 MW-11-4 MW-11-3 MW-11-2 DUP-8-4Q22 MW-11-1 EB-7-110122 SB-2-110122
ICB/CCB	Chloride Sulfate	0.262 mg/L 0.306 mg/L	MW-11-1

Data qualification by the laboratory blanks was based on the maximum contaminant concentration in the laboratory blanks in the analysis of each analyte. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-21-3	Hexavalent chromium	0.00046 mg/L	0.00046U mg/L
MW-21-2	Hexavalent chromium	0.00018 mg/L	0.00018U mg/L
MW-11-5	Hexavalent chromium	0.00014 mg/L	0.00014U mg/L
MW-11-4	Hexavalent chromium	0.000036 mg/L	0.000036U mg/L
MW-11-3	Hexavalent chromium	0.000072 mg/L	0.000072U mg/L
MW-11-2	Hexavalent chromium	0.00013 mg/L	0.00013U mg/L

Sample	Analyte	Reported Concentration	Modified Final Concentration
DUP-8-4Q22	Hexavalent chromium	0.000081 mg/L	0.000081U mg/L
MW-11-1	Hexavalent chromium	0.00017 mg/L	0.00017U mg/L
EB-7-110122	Hexavalent chromium	0.0005 mg/L	0.0005U mg/L
SB-2-110122	Hexavalent chromium	0.00016 mg/L	0.00016U mg/L

V. Field Blanks

Sample EB-7-110122 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
EB-7-110122	11/01/22	Hexavalent chromium	0.0005 mg/L	MW-21-5 MW-21-4 MW-21-3 MW-21-2 MW-11-5 MW-11-4 MW-11-3 MW-11-2 DUP-8-4Q22 MW-11-1

Sample SB-2-110122 was identified as a source blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
SB-2-110122	11/01/22	Hexavalent chromium	0.0002 mg/L	MW-21-5 MW-21-4 MW-21-3 MW-21-2 MW-11-5 MW-11-4 MW-11-3 MW-11-2 DUP-8-4Q22 MW-11-1

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-21-5	Hexavalent chromium	0.0011 mg/L	0.0011U mg/L
MW-21-4	Hexavalent chromium	0.0012 mg/L	0.0012U mg/L
MW-21-3	Hexavalent chromium	0.00046 mg/L	0.00046U mg/L
MW-21-2	Hexavalent chromium	0.00018 mg/L	0.00018U mg/L
MW-11-5	Hexavalent chromium	0.00014 mg/L	0.00014U mg/L
MW-11-4	Hexavalent chromium	0.000036 mg/L	0.000036U mg/L
MW-11-3	Hexavalent chromium	0.000072 mg/L	0.000072U mg/L
MW-11-2	Hexavalent chromium	0.00013 mg/L	0.00013U mg/L
DUP-8-4Q22	Hexavalent chromium	0.000081 mg/L	0.000081U mg/L
MW-11-1	Hexavalent chromium	0.00017 mg/L	0.00017U mg/L

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

Samples MW-11-2 and DUP-8-4Q22 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD
	MW-11-2	DUP-8-4Q22	
Hexavalent chromium	0.00013	0.000081	46

X Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

Due to technical holding time, data were qualified as estimated in nine samples.

Due to laboratory blank contamination, data were qualified as not detected in ten samples.

Due to equipment blank contamination, data were qualified as not detected in ten samples.

Due to source blank contamination, data were qualified as not detected in eight samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Wet Chemistry - Data Qualification Summary - SDG 2226304

Sample	Analyte	Flag	A or P	Reason
MW-21-4 MW-11-5 MW-11-4 MW-11-3 MW-11-2 DUP-8-4Q22 EB-7-110122 SB-2-110122	Hexavalent chromium	J (all detects)	P	Technical holding times

NASA JPL, 4Q2022
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 2226304

Sample	Analyte	Modified Final Concentration	A or P
MW-21-3	Hexavalent chromium	0.00046U mg/L	A
MW-21-2	Hexavalent chromium	0.00018U mg/L	A
MW-11-5	Hexavalent chromium	0.00014U mg/L	A
MW-11-4	Hexavalent chromium	0.000036U mg/L	A
MW-11-3	Hexavalent chromium	0.000072U mg/L	A
MW-11-2	Hexavalent chromium	0.00013U mg/L	A
DUP-8-4Q22	Hexavalent chromium	0.000081U mg/L	A
MW-11-1	Hexavalent chromium	0.00017U mg/L	A
EB-7-110122	Hexavalent chromium	0.0005U mg/L	A
SB-2-110122	Hexavalent chromium	0.00016U mg/L	A

NASA JPL, 4Q2022
Wet Chemistry - Field Blank Data Qualification Summary - SDG 2226304

Sample	Analyte	Modified Final Concentration	A or P
MW-21-5	Hexavalent chromium	0.0011U mg/L	A

Sample	Analyte	Modified Final Concentration	A or P
MW-21-4	Hexavalent chromium	0.0012U mg/L	A
MW-21-3	Hexavalent chromium	0.00046U mg/L	A
MW-21-2	Hexavalent chromium	0.00018U mg/L	A
MW-11-5	Hexavalent chromium	0.00014U mg/L	A
MW-11-4	Hexavalent chromium	0.000036U mg/L	A
MW-11-3	Hexavalent chromium	0.000072U mg/L	A
MW-11-2	Hexavalent chromium	0.00013U mg/L	A
DUP-8-4Q22	Hexavalent chromium	0.000081U mg/L	A
MW-11-1	Hexavalent chromium	0.00017U mg/L	A

LDC #: 55693A6 **VALIDATION COMPLETENESS WORKSHEET** Date: 3/6/23
SDG #: 2226304 Level III Page: 1 of 2
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer:

METHOD: (Analyte) Chloride, Nitrate-N, Sulfate (EPA Method 300.0), Nitrite-N (EPA Method 353.2), Hexavalent Chromium (EPA Method 218.6), Orthophosphate-P (EPA Method 365.1), Perchlorate (EPA Method 314.0)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, SW	
II	Initial calibration	A	
III.	Calibration verification	SW	
IV	Laboratory Blanks	SW	
V	Field blanks	SW	EB=11, SB=12
VI.	Matrix Spike/Matrix Spike Duplicates	A	MS/MSD
VII.	Duplicate sample analysis	A	
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	SW	(8,9)
X.	Target Analyte Quantitation	N	
XI.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-21-5	2226304-02	Water	11/01/22
2	MW-21-4	2226304-03	Water	11/01/22
3	MW-21-3	2226304-04	Water	11/01/22
4	MW-21-2	2226304-05	Water	11/01/22
5	MW-11-5	2226304-06	Water	11/01/22
6	MW-11-4	2226304-07	Water	11/01/22
7	MW-11-3	2226304-08	Water	11/01/22
8	MW-11-2	2226304-09	Water	11/01/22
9	DUP-8-4Q22	2226304-10	Water	11/01/22
10	MW-11-1	2226304-11	Water	11/01/22
11	EB-7-110122	2226304-12	Water	11/01/22
12	SB-2-110122	2226304-13	Water	11/01/22
13	MW-21-5MS	2226304-02MS	Water	11/01/22
14	MW-21-5MSD	2226304-02MSD	Water	11/01/22
15	MW-21-5DUP	2226304-02DUP	Water	11/01/22
16	MW-21-3MS	2226304-04MS	Water	11/01/22
17	MW-21-3MSD	2226304-04MSD	Water	11/01/22

LDC #: 55693A6 **VALIDATION COMPLETENESS WORKSHEET** Date: 3/6/23
SDG #: 2226304 Level III Page: 2 of 2
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer: [illegible]

METHOD: (Analyte) Chloride, Nitrate-N, Sulfate (EPA Method 300.0), Nitrite-N (EPA Method 353.2), Hexavalent Chromium (EPA Method 218.6), Orthophosphate-P (EPA Method 365.1), Perchlorate (EPA Method 314.0)

	Client ID	Lab ID	Matrix	Date
18	MW-21-3DUP	2226304-04DUP	Water	11/01/22
19	MW-21-2MS	2226304-05MS	Water	11/01/22
20	MW-21-2MSD	2226304-05MSD	Water	11/01/22
21	MW-21-2DUP	2226304-05DUP	Water	11/01/22
22	MW-11-1MS	2226304-11MS	Water	11/01/22
23	MW-11-1MSD	2226304-11MSD	Water	11/01/22
24	MW-11-1DUP	2226304-11DUP	Water	11/01/22
25				
26				
27				

Notes:

Sample Specific Element Reference Reviewer: Jada Morales

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1-12	Cr(VI),CLO4
10	Cl,NO3-N,NO2-N,SO4,Orthophosphate-P
QC:	
16-21	Cr(VI)
22-24	Cl,NO3-N,NO2-N,SO4,Orthophosphate-P
13-15	CLO4

Holding Time

METHOD: Inorganics

All samples were properly preserved and within the requried holding time with the following exceptions:

		Method: 218.6 Analyte: Hexavalent Chromium Holding Time: 24 Hours			
Sample ID	**Sampling Date**	**Analysis Date**	**Total Time from Collection to Analysis**	**Qualifier**	**Det/ND**
2	11/1/2022 8:50	11/8/2022 15:32	174	J/R/P	Det
5	11/1/2022 11:45	11/7/2022 20:12	152	J/R/P	Det
6	11/1/2022 12:30	11/7/2022 20:22	151	J/R/P	Det
7	11/1/2022 12:55	11/7/2022 20:31	151	J/R/P	Det
8	11/1/2022 13:25	11/7/2022 20:41	151	J/R/P	Det
9	11/1/2022 13:35	11/7/2022 21:10	151	J/R/P	Det
~~10~~	~~11/1/2022 13:55~~	~~11/7/2022 21:19~~	~~151~~	~~J/R/P~~	~~Det~~
11	11/1/2022 14:05	11/7/2022 21:29	151	J/R/P	Det
12	11/1/2022 14:15	11/7/2022 21:38	151	J/R/P	Det

4

~~PH~~ < 9.3

Preservation

Sample ID	**Preservation**	**Preservation Requirement (pH)**	**Qualifier**	**Det/ND**

Calibration

METHOD: Inorganics

All initial calibration verifications (ICVs) and continuing calibration verifications (CCVs) were performed at the required frequency and were within the acceptance limits with the following exceptions:

Date	Time	Calibration ID	Analyte	%R	%R Limits	Associated Samples	Qualification	Det/ND
11/22/2022	19:08	2221772-CCV2	CLO4	114	90-110	4-12	J det/A	ND

Comments:

VALIDATION FINDINGS WORKSHEET
Laboratory Blank Contamination (PB/ICB/CCB)

Reviewer: Jada Morales

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: Associated Samples: 3,5-12

				Sample Identification								
Analyte	**PB (mg/L)**	**Maximum ICB/CCB (units)**	**Action Level**	3	5	6	7	8	9	10	11	12
Cr(VI)	0.000152		0.00076	0.00046U	0.00014U	0.000036U	0.000072U	0.00013U	0.000081U	0.00017U	0.0005U	0.00016U

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: Associated Samples: 10

				Sample Identification						
Analyte	**PB (mg/L)**	**Maximum ICB/CCB (units)**	**Action Level**	No Qual						
Cl	0.162		0.81							
SO4	0.248		1.24							

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: mg/L Associated Samples: 1-2,4

				Sample Identification						
Analyte	**PB (units)**	**Maximum ICB/CCB (mg/L)**	**Action Level**	4						
Cr(VI)		0.000198	0.00099	0.00018U						

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is establised at 5X the highest ICB, CCB, or PB concentration.

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: mg/L Associated Samples: 3,5-12

				Sample Identification								
Analyte	**PB (units)**	**Maximum ICB/CCB (mg/L)**	**Action Level**	3	5	6	7	8	9	10	11	12
Cr(VI)		0.000063	0.00032	0.00046U	0.00014U	0.000036U	0.000072U	0.00013U	0.000081U	0.00017U	0.0005U	0.00016U

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: mg/L Associated Samples: 10

				Sample Identification						
Analyte	**PB (units)**	**Maximum ICB/CCB (mg/L)**	**Action Level**	No Qual						
Cl		0.262	1.31							
SO4		0.306	1.53							

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is establised at 5X the highest ICB, CCB, or PB concentration.

Field Blanks

METHOD: Inorganics

Blank units: mg/L Associated sample units: mg/L

Sampling Date: 11/1/2022 Associated Samples: 1-10

			Sample Identification									
Analyte	Blank ID	Action Level	1	2	3	4	5	6	7	8	9	10
	11											
Cr(VI)	0.0005	0.0025	0.0011U	0.0012U	0.00046U	0.00018U	0.00014U	0.000036U	0.000072U	0.00013U	0.000081U	0.00017U

METHOD: Inorganics

Blank units: mg/L Associated sample units: mg/L

Sampling Date: 11/1/2022 Associated Samples: 1-10

			Sample Identification								
Analyte	Blank ID	Action Level	3	4	5	6	7	8	9	10	
	12										
Cr(VI)	0.0002	0.0008	0.00046U	0.00018U	0.00014U	0.000036U	0.000072U	0.00013U	0.000081U	0.00017U	

Comments: The action level, when applicable, is establised at 5X the highest concentration.

Field Duplicates

METHOD: Inorganics

Analyte	Concentration (mg/L)		RPD	Qualifiers (Parents Only)
	8	9		
Hexavalent Chromium	0.00013	0.000081	46	

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: January 20, 2023

Parameters: Volatiles

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2226756

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
TB-9-110322	2226756-01	Water	11/03/22
MW-15	2226756-02	Water	11/03/22
MW-1	2226756-03	Water	11/03/22
MW-9	2226756-04	Water	11/03/22
MW-15MS	2226756-02MS	Water	11/03/22
MW-15MSD	2226756-02MSD	Water	11/03/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method 524.2

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
11/09/22 (09NOV03)	Bromomethane	48.6	All samples in SDG 2226756	UJ (all non-detects)	P
11/09/22 (09NOV04)	Methyl iodide Pentachloroethane	72.5 31.9	All samples in SDG 2226756	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TB-9-110322 was identified as a trip blank. No contaminants were found.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Targe Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to continuing calibration %D, data were qualified as estimated in four samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Volatiles - Data Qualification Summary - SDG 2226756

Sample	Analyte	Flag	A or P	Reason
TB-9-110322 MW-15 MW-1 MW-9	Bromomethane Methyl iodide Pentachloroethane	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Continuing calibration (%D)

NASA JPL, 4Q2022
Volatiles - Laboratory Blank Data Qualification Summary - SDG 2226756

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Volatiles - Field Blank Data Qualification Summary - SDG 2226756

No Sample Data Qualified in this SDG

LDC #: 55693B1a **VALIDATION COMPLETENESS WORKSHEET** Date: 01/16/23
SDG #: 2226756 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: DG
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A, A	RSD ≤ 20% r² ICV ≤ 30%
IV.	Continuing calibration	SW	%D ≤ 30%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	TB = 1
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	
XIII.	Target analyte identification	N	
XIV	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	TB-9-110322	2226756-01	Water	11/03/22
2	MW-15	2226756-02	Water	11/03/22
3	MW-1	2226756-03	Water	11/03/22
4	MW-9	2226756-04	Water	11/03/22
5	MW-15MS	2226756-02MS	Water	11/03/22
6	MW-15MSD	2226756-02MSD	Water	11/03/22
7				
8				
9				
10				

Notes:

	B153440_BLK1						

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. Octane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. Methyl iodide
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2.
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2.
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2.
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2.
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2.
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2.
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2.
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2.
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2.
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2.
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2.
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

LDC #: 55693 B1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: JVG

METHOD: GC/MS VOA (EPA Method 524.2)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y (N) N/A Were all percent differences (%D) ≤ 30% ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤30.0%)	Associated Samples	Qualifications
	11/09/22	09NOV03	B	48.6	All (ND)	J/UJ/P
	11/09/22	09NOV04	C2	72.5		
			ZZZZ	31.9	↓ ↓	↓

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 7, 2023

Parameters: Chromium

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2226756

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-15	2226756-02	Water	11/03/22
MW-1	2226756-03	Water	11/03/22
MW-9	2226756-04	Water	11/03/22
MW-15MS	2226756-02MS	Water	11/03/22
MW-15MSD	2226756-02MSD	Water	11/03/22
MW-15DUP	2226756-02DUP	Water	11/03/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Chromium by Environmental Protection Agency (EPA) Method 200.8

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. ICPMS Tune

The mass calibration was within 0.1 AMU and the percent relative standard deviation (%RSD) was less than or equal to 5%.

III. Instrument Calibration

Initial and continuing calibrations were performed as required by the method.

The initial calibration verification (ICV) and continuing calibration verification (CCV) standards were within QC limits.

IV. ICP Interference Check Sample Analysis

Interference check sample (ICS) analysis was not required by the method.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

No field blanks were identified in this SDG.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits with the following exceptions:

DUP ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
B153922-DUP1 (MW-15 MW-9)	Chromium	30 (≤20)	J (all detects)	A

DUP ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
B153922-DUP1 (MW-1)	Chromium	30 (≤20)	UJ (all non-detects)	A

IX. Serial Dilution

Serial dilution analysis was performed on an associated project sample. Percent differences (%D) were within QC limits.

X. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

XI. Field Duplicates

No field duplicates were identified in this SDG.

XII. Internal Standards (ICP-MS)

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to DUP RPD, data were qualified as estimated in three samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Chromium - Data Qualification Summary - SDG 2226756

Sample	Analyte	Flag	A or P	Reason
MW-15 MW-1 MW-9	Chromium	J (all detects) UJ (all non-detects)	A	Duplicate sample analysis (RPD)

NASA JPL, 4Q2022
Chromium - Laboratory Blank Data Qualification Summary - SDG 2226756

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Field Blank Data Qualification Summary - SDG 2226756

No Sample Data Qualified in this SDG

LDC #: 55693B4a **VALIDATION COMPLETENESS WORKSHEET** Date: 3/6/23
SDG #: 2226756 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer: +

METHOD: Chromium (EPA Method 200.8)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	ICP/MS Tune	A	
III.	Instrument Calibration	A	
IV.	ICP Interference Check Sample (ICS) Analysis	N	Not Required.
V.	Laboratory Blanks	A	
VI.	Field Blanks	N	
VII.	Matrix Spike/Matrix Spike Duplicates	A	MS/MSD
VIII.	Duplicate sample analysis	SW	
IX.	Serial Dilution	A	
X.	Laboratory control samples	A	LCS
XI.	Field Duplicates	N	
XII.	Internal Standard (ICP-MS)	N	
XIII.	Target Analyte Quantitation	N	
XIV.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-15	2226756-02	Water	11/03/22
2	MW-1	2226756-03	Water	11/03/22
3	MW-9	2226756-04	Water	11/03/22
4	MW-15MS	2226756-02MS	Water	11/03/22
5	MW-15MSD	2226756-02MSD	Water	11/03/22
6	MW-15DUP	2226756-02DUP	Water	11/03/22
7				
8				
9				
10				
11				
12				
13				

Notes:

Laboratory Duplicates

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Laboratory duplicate analysis was performed by the laboratory. All laboratory duplicates were with the relative percent difference (RPD) for samples >5X the reporting limits with the exceptions listed below. If samples were <5X the reporting limits, the difference was within 1X the reporting limit for water samples and within 2X the reporting limit for soil samples for all samples with the

Duplicate ID	Matrix	Analyte	RPD	RPD Limit	Difference (units)	Difference Limit	Associated Samples	Qualification	Det/ND
B153922-DUP1	Water	Cr	30	20			1-3	J/UJ/A	Det: 1,3; ND: 2

Comments:

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 7, 2023

Parameters: Wet Chemistry

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2226756

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-15	2226756-02	Water	11/03/22
MW-1	2226756-03	Water	11/03/22
MW-9	2226756-04	Water	11/03/22
MW-15MS	2226756-02MS	Water	11/03/22
MW-15MSD	2226756-02MSD	Water	11/03/22
MW-15DUP	2226756-02DUP	Water	11/03/22
MW-1MS	2226756-03MS	Water	11/03/22
MW-1MSD	2226756-03MSD	Water	11/03/22
MW-1DUP	2226756-03DUP	Water	11/03/22
MW-9MS	2226756-04MS	Water	11/03/22
MW-9MSD	2226756-04MSD	Water	11/03/22
MW-9DUP	2226756-04DUP	Water	11/03/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Hexavalent Chromium by Environmental Protection Agency (EPA) Method 218.6
Perchlorate by EPA Method 314.0

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
MW-15 MW-1 MW-9	Perchlorate	36 days	28 days	UJ (all non-detects)	A

II. Initial Calibration

All criteria for the initial calibration of each method were met.

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable with the following exceptions:

Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
12/10/22	2222740-CCV2	Perchlorate	115 (90-110)	MW-15	NA	-
12/10/22	2222740-CCV3	Perchlorate	115 (90-110)	MW-1 MW-9	NA	-

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Analyte	Maximum Concentration	Associated Samples
PB (prep blank)	Hexavalent chromium	0.000026 mg/L	MW-15
PB (prep blank)	Hexavalent chromium	0.000073 mg/L	MW-1
PB (prep blank)	Hexavalent chromium	0.00008 mg/L	MW-9
ICB/CCB	Hexavalent chromium	0.000032 mg/L	MW-15 MW-1 MW-9

Data qualification by the laboratory blanks was based on the maximum contaminant concentration in the laboratory blanks in the analysis of each analyte. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-1	Hexavalent chromium	0.000073 mg/L	0.000073U mg/L

V. Field Blanks

No field blanks were identified in this SDG.

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

Due to technical holding time, data were qualified as estimated in three samples.

Due to laboratory blank contamination, data were qualified as not detected in one sample.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Wet Chemistry - Data Qualification Summary - SDG 2226756

Sample	Analyte	Flag	A or P	Reason
MW-15 MW-1 MW-9	Perchlorate	UJ (all non-detects)	A	Technical holding times

NASA JPL, 4Q2022
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 2226756

Sample	Analyte	Modified Final Concentration	A or P
MW-1	Hexavalent chromium	0.000073U mg/L	A

NASA JPL, 4Q2022
Wet Chemistry - Field Blank Data Qualification Summary - SDG 2226756

No Sample Data Qualified in this SDG

LDC #: 55693B6 **VALIDATION COMPLETENESS WORKSHEET** Date: 3/16/23
SDG #: 2226756 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer: [signature]

METHOD: (Analyte) Hexavalent Chromium (EPA Method 218.6), Perchlorate (EPA Method 314.0)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/SW	
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	SW	
V	Field blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	A	MS/MSD
VII.	Duplicate sample analysis	A	
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	N	
X.	Target Analyte Quantitation	N	
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-15	2226756-02	Water	11/03/22
2	MW-1	2226756-03	Water	11/03/22
3	MW-9	2226756-04	Water	11/03/22
4	MW-15MS	2226756-02MS	Water	11/03/22
5	MW-15MSD	2226756-02MSD	Water	11/03/22
6	MW-15DUP	2226756-02DUP	Water	11/03/22
7	MW-1MS	2226756-03MS	Water	11/03/22
8	MW-1MSD	2226756-03MSD	Water	11/03/22
9	MW-1DUP	2226756-03DUP	Water	11/03/22
10	MW-9MS	2226756-04MS	Water	11/03/22
11	MW-9MSD	2226756-04MSD	Water	11/03/22
12	MW-9DUP	2226756-04DUP	Water	11/03/22
13				
14				
15				
16				

Notes:

Sample Specific Element Reference Reviewer: Jada Morales

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1-3	Cr(VI),CLO4
QC:	
4-12	Cr(VI),CLO4

Holding Time

METHOD: Inorganics

All samples were properly preserved and within the requried holding time with the following exceptions:

		Method: 314.0 Analyte: Perchlorate Holding Time: 28 Days			
Sample ID	**Sampling Date**	**Analysis Date**	**Total Time from Collection to Analysis**	**Qualifier**	**Det/ND**
1	11/3/2022 9:35	12/10/2022 2:52	36	J/UJ/A	ND
2	11/3/2022 11:55	12/10/2022 4:54	36	J/UJ/A	ND
3	11/3/2022 13:15	12/10/2022 6:26	36	J/UJ/A	ND

Preservation

Sample ID	**Preservation**	**Preservation Requirement (pH)**	**Qualifier**	**Det/ND**

Calibration

METHOD: Inorganics

All initial calibration verifications (ICVs) and continuing calibration verifications (CCVs) were performed at the required frequency and were within the acceptance limits with the following exceptions:

Date	Time	Calibration ID	Analyte	%R	%R Limits	Associated Samples	Qualification	Det/ND
12/10/2022	0:49	2222740-CCV2	CLO4	115	90-110	1	J det/A	ND
12/10/2022	3:53	2222740-CCV3	CLO4	115	90-110	2-3	J det/A	ND

Comments:

VALIDATION FINDINGS WORKSHEET
Laboratory Blank Contamination (PB/ICB/CCB)

Reviewer: Jada Morales

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: Associated Samples: 1

				Sample Identification							
Analyte	**PB (mg/L)**	**Maximum ICB/CCB (units)**	**Action Level**	No Qual							
Cr(VI)	0.000026		0.00013								

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: Associated Samples: 2

				Sample Identification						
Analyte	**PB (mg/L)**	**Maximum ICB/CCB (units)**	**Action Level**	2						
Cr(VI)	0.000073		0.00037	0.000073U						
			0							

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: Associated Samples: 3

				Sample Identification						
Analyte	**PB (mg/L)**	**Maximum ICB/CCB (units)**	**Action Level**	No Qual						
Cr(VI)	0.00008		0.0004							
			0							

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is establised at 5X the highest ICB, CCB, or PB concentration.

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: mg/L Associated Samples: 1-3

				Sample Identification						
Analyte	**PB (units)**	**Maximum ICB/CCB (mg/L)**	**Action Level**	2						
Cr(VI)		0.000032	0.00016	0.000073U						

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is establised at 5X the highest ICB, CCB, or PB concentration.

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 10, 2023

Parameters: Volatiles

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2226757

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
TB-8-110222	2226757-01	Water	11/02/22
MW-18-5	2226757-02	Water	11/02/22
MW-18-4	2226757-03	Water	11/02/22
MW-18-3	2226757-04	Water	11/02/22
MW-18-2	2226757-05	Water	11/02/22
FB-8-110222	2226757-06	Water	11/02/22
MW-18-2MS	2226757-05MS	Water	11/02/22
MW-18-2MSD	2226757-05MSD	Water	11/02/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method 524.2

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
11/09/22 (09NOV03)	Bromomethane	48.6	All samples in SDG 2226757	UJ (all non-detects)	P
11/09/22 (09NOV04)	Methyl iodide Pentachloroethane	72.5 31.9	All samples in SDG 2226757	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TB-8-110222 was identified as a trip blank. No contaminants were found.

Sample FB-8-110222 was identified as a field blank. No contaminants were found.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Targe Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to continuing calibration %D, data were qualified as estimated in six samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Volatiles - Data Qualification Summary - SDG 2226757

Sample	Analyte	Flag	A or P	Reason
TB-8-110222 MW-18-5 MW-18-4 MW-18-3 MW-18-2 FB-8-110222	Bromomethane Methyl iodide Pentachloroethane	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Continuing calibration (%D)

NASA JPL, 4Q2022
Volatiles - Laboratory Blank Data Qualification Summary - SDG 2226757

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Volatiles - Field Blank Data Qualification Summary - SDG 2226757

No Sample Data Qualified in this SDG

LDC #: 55693C1a **VALIDATION COMPLETENESS WORKSHEET** Date: 01/16/23
SDG #: 2226757 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	RSD ≤ 20% r² ICV ≤ 30%
IV.	Continuing calibration	SW	%D ≤ 30%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	TB = 1 EB = 6
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	
XIII.	Target analyte identification	N	
XIV	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	TB-8-110222	2226757-01	Water	11/02/22
2	MW-18-5	2226757-02	Water	11/02/22
3	MW-18-4	2226757-03	Water	11/02/22
4	MW-18-3	2226757-04	Water	11/02/22
5	MW-18-2	2226757-05	Water	11/02/22
6	FEB-8-110222	2226757-06	Water	11/02/22
7	MW-18-2MS	2226757-05MS	Water	11/02/22
8	MW-18-2MSD	2226757-05MSD	Water	11/02/22
9				
10				

Notes:

	B153439-BLK1						

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. Octane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. Methyl iodide
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2.
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2.
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2.
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2.
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2.
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2.
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2.
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2.
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2.
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2.
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2.
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

LDC #: 55693C1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: JVG

METHOD: GC/MS VOA (EPA Method 524.2)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y (N) N/A Were all percent differences (%D) ≤ 30% ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤30.0%)	Associated Samples	Qualifications
	11/09/22	09NOV03	B	48.6	All (ND)	J/UJ/P
		09NOV04	C2	72.5		
			ZZZZ	31.9		

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 10, 2023

Parameters: Chromium

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2226757

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-18-5	2226757-02	Water	11/02/22
MW-18-4	2226757-03	Water	11/02/22
MW-18-3	2226757-04	Water	11/02/22
MW-18-2	2226757-05	Water	11/02/22
FB-8-110222	2226757-06	Water	11/02/22
MW-18-2MS	2226757-05MS	Water	11/02/22
MW-18-2MSD	2226757-05MSD	Water	11/02/22
MW-18-2DUP	2226757-05DUP	Water	11/02/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Chromium by Environmental Protection Agency (EPA) Method 200.8

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. ICPMS Tune

The mass calibration was within 0.1 AMU and the percent relative standard deviation (%RSD) was less than or equal to 5%.

III. Instrument Calibration

Initial and continuing calibrations were performed as required by the method.

The initial calibration verification (ICV) and continuing calibration verification (CCV) standards were within QC limits.

IV. ICP Interference Check Sample Analysis

Interference check sample (ICS) analysis was not required by the method.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample FB-8-110222 was identified as an field blank. No contaminants were found.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

IX. Serial Dilution

Serial dilution analysis was performed on an associated project sample. Percent differences (%D) were within QC limits.

X. Laboratory Control Samples

X. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

XI. Field Duplicates

No field duplicates were identified in this SDG.

XII. Internal Standards (ICP-MS)

Raw data were not reviewed for Level III validation.

XIII. Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable.

NASA JPL, 4Q2022
Chromium - Data Qualification Summary - SDG 2226757

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Laboratory Blank Data Qualification Summary - SDG 2226757

No Sample Data Qualified in this SDG

NASA JPL, 4Q2022
Chromium - Field Blank Data Qualification Summary - SDG 2226757

No Sample Data Qualified in this SDG

LDC #: 55693C4a **VALIDATION COMPLETENESS WORKSHEET** Date: 3/7/23
SDG #: 2226757 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer:

METHOD: Chromium (EPA Method 200.8)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	ICP/MS Tune	A	
III.	Instrument Calibration	A	
IV.	ICP Interference Check Sample (ICS) Analysis	N	Not Required
V.	Laboratory Blanks	A	
VI.	Field Blanks	ND	EB=5
VII.	Matrix Spike/Matrix Spike Duplicates	A	MS/MSD
VIII.	Duplicate sample analysis	A	
IX.	Serial Dilution	A	
X.	Laboratory control samples	A	LCS
XI.	Field Duplicates	N	
XII.	Internal Standard (ICP-MS)	N	
XIII.	Target Analyte Quantitation	N	
XIV.	Overall Assessment of Data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	MW-18-5	2226757-02	Water	11/02/22
2	MW-18-4	2226757-03	Water	11/02/22
3	MW-18-3	2226757-04	Water	11/02/22
4	MW-18-2	2226757-05	Water	11/02/22
5	FEB-8-110222	2226757-06	Water	11/02/22
6	MW-18-2MS	2226757-05MS	Water	11/02/22
7	MW-18-2MSD	2226757-05MSD	Water	11/02/22
8	MW-18-2DUP	2226757-05DUP	Water	11/02/22
9				
10				
11				
12				
13				

Notes:

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NASA JPL, 4Q2022

LDC Report Date: March 10, 2023

Parameters: Wet Chemistry

Validation Level: Level III

Laboratory: BC Laboratories, Inc., Bakersfield, CA

Sample Delivery Group (SDG): 2226757

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-18-5	2226757-02	Water	11/02/22
MW-18-4	2226757-03	Water	11/02/22
MW-18-3	2226757-04	Water	11/02/22
MW-18-2	2226757-05	Water	11/02/22
FB-8-110222	2226757-06	Water	11/02/22
MW-18-2MS	2226757-05MS	Water	11/02/22
MW-18-2MSD	2226757-05MSD	Water	11/02/22
MW-18-2DUP	2226757-05DUP	Water	11/02/22

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Hexavalent Chromium by Environmental Protection Agency (EPA) Method 218.6
Perchlorate by EPA Method 314.0

All sample results were subjected to Level III data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
MW-18-4	Hexavalent chromium	321 hours	24 hours	J (all detects)	P
MW-18-2 FB-8-110222	Hexavalent chromium	320 hours	24 hours	J (all detects)	P
MW-18-4	Perchlorate	37 days	28 days	J (all detects)	P
MW-18-5 MW-18-3 MW-18-2 FB-8-110222	Perchlorate	37 days	28 days	UJ (all non-detects)	P

II. Initial Calibration

All criteria for the initial calibration of each method were met.

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable with the following exceptions:

Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
12/09/22	2222740-CCV1	Perchlorate	115 (90-110)	MW-18-4	J (all detects)	A
12/09/22	2222740-CCV1	Perchlorate	115 (90-110)	MW-18-3 MW-18-2 FB-8-110222	NA	-
12/10/22	2222740-CCV2	Perchlorate	115 (90-110)	MW-18-4	J (all detects)	A
12/10/22	2222740-CCV2	Perchlorate	115 (90-110)	MW-18-5 MW-18-3 FB-8-110222	NA	-
12/10/22	2222740-CCV3	Perchlorate	115 (90-110)	MW-18-5	NA	-

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Analyte	Maximum Concentration	Associated Samples
PB (prep blank)	Hexavalent chromium Perchlorate	0.000021 mg/L 0.000936 mg/L	MW-18-5 MW-18-4 MW-18-3 MW-18-2 FB-8-110222
ICB/CCB	Hexavalent chromium	0.000032 mg/L	MW-18-5 MW-18-4 MW-18-3 MW-18-2 FB-8-110222

Data qualification by the laboratory blanks was based on the maximum contaminant concentration in the laboratory blanks in the analysis of each analyte. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-18-5	Hexavalent chromium	0.000074 mg/L	0.000074U mg/L
MW-18-2	Hexavalent chromium	0.00015 mg/L	0.00015U mg/L

V. Field Blanks

Sample FB-8-110222 was identified as an field blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Analyte	Concentration	Associated Samples
FB-8-110222	11/02/22	Hexavalent chromium	0.00029 mg/L	MW-18-5 MW-18-4 MW-18-3 MW-18-2

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
MW-18-5	Hexavalent chromium	0.000074 mg/L	0.000074U mg/L
MW-18-2	Hexavalent chromium	0.00015 mg/L	0.00015U mg/L

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X Target Analyte Quantitation

Raw data were not reviewed for Level III validation.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

Due to technical holding time and continuing calibration %R, data were qualified as estimated in five samples.

Due to laboratory blank contamination, data were qualified as not detected in two samples.

Due to equipment blank contamination, data were qualified as not detected in two samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable.

NASA JPL, 4Q2022
Wet Chemistry - Data Qualification Summary - SDG 2226757

Sample	Analyte	Flag	A or P	Reason
MW-18-4 MW-18-2 FB-8-110222	Hexavalent chromium	J (all detects)	P	Technical holding times
MW-18-4	Perchlorate	J (all detects)	P	Technical holding times
MW-18-5 MW-18-3 MW-18-2 FB-8-110222	Perchlorate	UJ (all non-detects)	P	Technical holding times
MW-18-4	Perchlorate	J (all detects)	A	Continuing calibration (%R)

NASA JPL, 4Q2022
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 2226757

Sample	Analyte	Modified Final Concentration	A or P
MW-18-5	Hexavalent chromium	0.000074U mg/L	A
MW-18-2	Hexavalent chromium	0.00015U mg/L	A

NASA JPL, 4Q2022
Wet Chemistry - Field Blank Data Qualification Summary - SDG 2226757

Sample	Analyte	Modified Final Concentration	A or P
MW-18-5	Hexavalent chromium	0.000074U mg/L	A
MW-18-2	Hexavalent chromium	0.00015U mg/L	A

LDC #: 55693C6 **VALIDATION COMPLETENESS WORKSHEET** Date: 3/7/23
SDG #: 2226757 Level III Page: 1 of 1
Laboratory: BC Laboratories, Inc., Bakersfield, CA Reviewer: JM
2nd Reviewer: 4

METHOD: (Analyte) Hexavalent Chromium (EPA Method 218.6), Perchlorate (EPA Method 314.0)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /SW	
II	Initial calibration	A	
III.	Calibration verification	A SW	
IV	Laboratory Blanks	SW	
V	Field blanks	SW	EB=5
VI.	Matrix Spike/Matrix Spike Duplicates	A	MS/MSD
VII.	Duplicate sample analysis	A	
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	N	
X.	Target Analyte Quantitation	N	
XI	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank
SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-18-5	2226757-02	Water	11/02/22
2	MW-18-4	2226757-03	Water	11/02/22
3	MW-18-3	2226757-04	Water	11/02/22
4	MW-18-2	2226757-05	Water	11/02/22
5	EB-8-110222	2226757-06	Water	11/02/22
6	MW-18-2MS	2226757-05MS	Water	11/02/22
7	MW-18-2MSD	2226757-05MSD	Water	11/02/22
8	MW-18-2DUP	2226757-05DUP	Water	11/02/22
9				
10				
11				
12				
13				
14				
15				
16				

Notes:

Sample Specific Element Reference

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1-5	Cr(VI),CLO4
QC:	
6-8	Cr(VI),CLO4

METHOD: Inorganics
All samples were properly preserved and within the requried holding time with the following exceptions:

		Method: 218.6 Analyte: Hexavalent Chromium Holding Time: 24 Hours			
Sample ID	**Sampling Date**	**Analysis Date**	**Total Time from Collection to Analysis**	**Qualifier**	**Det/ND**
2	11/2/2022 9:10	11/15/2022 18:43	321	J/R/P	Det
4	11/2/2022 10:45	11/15/2022 19:02	320	J/R/P	Det
5	11/2/2022 11:00	11/15/2022 19:21	320	J/R/P	Det

METHOD: Inorganics
All samples were properly preserved and within the requried holding time with the following exceptions:

		Method: 314.0 Analyte: Perchlorate Holding Time: 28 Days			
Sample ID	**Sampling Date**	**Analysis Date**	**Total Time from Collection to Analysis**	**Qualifier**	**Det/ND**
1	11/2/2022 8:35	12/10/2022 1:35	37	J/UJ/P	ND
2	11/2/2022 9:10	12/9/2022 22:31	37	J/UJ/P	Det
3	11/2/2022 10:00	12/9/2022 22:46	37	J/UJ/P	ND
4	11/2/2022 10:45	12/9/2022 20:13	37	J/UJ/P	ND
5	11/2/2022 11:00	12/9/2022 23:02	37	J/UJ/P	ND

Calibration

METHOD: Inorganics

All initial calibration verifications (ICVs) and continuing calibration verifications (CCVs) were performed at the required frequency and were within the acceptance limits with the following exceptions:

Date	Time	Calibration ID	Analyte	%R	%R Limits	Associated Samples	Qualification	Det/ND
12/9/2022	21:45	2222740-CCV1	CLO4	115	90-110	2-5 (LCS=2)	J Det/A	Det/ND
12/10/2022	0:49	2222740-CCV2	CLO4	115	90-110	1-3,5 ✓	J Det/A	Det/ND
12/10/2022	3:53	2222740-CCV3	CLO4	115	90-110	1 (ND)	J Det/A	ND

Comments:

VALIDATION FINDINGS WORKSHEET
Laboratory Blank Contamination (PB/ICB/CCB)

Reviewer: Jada Morales

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: mg/L Associated Samples: 1-5

				Sample Identification								
Analyte	**PB (mg/L)**	**Maximum ICB/CCB (units)**	**Action Level**	1								
Cr(VI)	0.000021		0.00011	0.000074U								
CLO4	0.000936		0.00468									

METHOD: Inorganics
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: mg/L Associated Samples: 1-5

				Sample Identification								
Analyte	**PB (units)**	**Maximum ICB/CCB (mg/L)**	**Action Level**	1	4							
Cr(VI)		0.000032	0.00016	0.000074U	0.00015U							

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is establised at 5X the highest ICB, CCB, or PB concentration.

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: Jada Morales

METHOD: Inorganics

Blank units: mg/L Associated sample units: mg/L
Sampling Date: 11/2/2022 Associated Samples: 1-4

			Sample Identification								
Analyte	Blank ID	Action Level	1	4							
	5										
Cr(VI)	0.00029	0.00145	0.000074U	0.00015U							

Comments: The action level, when applicable, is establised at 5X the highest concentration.

NASA JPL, 4Q2022 - LDC55693

SDG: 2226304

Analytical Method EPA-200.8

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-8-4Q22	2226304-10	Total Recoverable Chromium	11/15/2022	3	Y	n	u		3.0	0.50	ug/L
EB-7-110122	2226304-12	Total Recoverable Chromium	11/15/2022	3	Y	n	u		3.0	0.50	ug/L
EB-7-110122	B153831-DUP	Total Recoverable Chromium	11/15/2022	3	Y	n	u		3.0	0.50	ug/L
MW-11-1	2226304-11	Total Recoverable Chromium	11/15/2022	3	Y	n	u		3.0	0.50	ug/L
MW-11-2	2226304-09	Total Recoverable Chromium	11/15/2022	3	Y	n	u		3.0	0.50	ug/L
MW-11-3	2226304-08	Total Recoverable Chromium	11/15/2022	3	Y	n	u		3.0	0.50	ug/L
MW-11-4	2226304-07	Total Recoverable Chromium	11/15/2022	3	Y	n	u		3.0	0.50	ug/L
MW-11-5	2226304-06	Total Recoverable Chromium	11/15/2022	3.4	Y	y	v		3.0	0.50	ug/L
MW-21-2	2226304-05	Total Recoverable Chromium	11/15/2022	3	Y	n	u		3.0	0.50	ug/L
MW-21-3	2226304-04	Total Recoverable Chromium	11/15/2022	3	Y	n	u		3.0	0.50	ug/L
MW-21-3	B153830-DUP	Total Recoverable Chromium	11/15/2022	0.529	Y	y	v j		3.0	0.50	ug/L
MW-21-4	2226304-03	Total Recoverable Chromium	11/15/2022	1.6	Y	y	v j	U	3.0	0.50	ug/L
MW-21-5	2226304-02	Total Recoverable Chromium	11/15/2022	1.3	Y	y	v j	U	3.0	0.50	ug/L
SB-2-110122	2226304-13	Total Recoverable Chromium	11/15/2022	0.57	Y	y	v j		3.0	0.50	ug/L

Analytical Method EPA-218.6

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-8-4Q22	2226304-10	Hexavalent Chromium	11/7/2022	######	Y	y	v j	UJ	0.0002	0.0000	mg/L
EB-7-110122	2226304-12	Hexavalent Chromium	11/7/2022	0.0005	Y	y	v	UJ	0.0002	0.0000	mg/L
MW-11-1	2226304-11	Hexavalent Chromium	11/7/2022	######	Y	y	v j	U	0.0002	0.0000	mg/L
MW-11-2	2226304-09	Hexavalent Chromium	11/7/2022	######	Y	y	v j	UJ	0.0002	0.0000	mg/L
MW-11-3	2226304-08	Hexavalent Chromium	11/7/2022	######	Y	y	v j	UJ	0.0002	0.0000	mg/L
MW-11-4	2226304-07	Hexavalent Chromium	11/7/2022	######	Y	y	v j	UJ	0.0002	0.0000	mg/L
MW-11-5	2226304-06	Hexavalent Chromium	11/7/2022	######	Y	y	v j	UJ	0.0002	0.0000	mg/L

SDG: 2226304

Analytical Method EPA-218.6

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-21-2	2226304-05	Hexavalent Chromium	11/8/2022	######	Y	y	v j	U	0.0002	0.0000	mg/L
MW-21-2	B153374-DUP	Hexavalent Chromium	11/8/2022	######	Y	y	v j		0.0002	0.0000	mg/L
MW-21-3	2226304-04	Hexavalent Chromium	11/7/2022	######	Y	y	v	U	0.0002	0.0000	mg/L
MW-21-3	B153329-DUP	Hexavalent Chromium	11/7/2022	######	Y	y	v		0.0002	0.0000	mg/L
MW-21-4	2226304-03	Hexavalent Chromium	11/8/2022	0.0012	Y	y	v	UJ	0.0002	0.0000	mg/L
MW-21-5	2226304-02	Hexavalent Chromium	11/8/2022	0.0011	Y	y	v	U	0.0002	0.0000	mg/L
SB-2-110122	2226304-13	Hexavalent Chromium	11/7/2022	######	Y	y	v j	UJ	0.0002	0.0000	mg/L

Analytical Method EPA-300.0

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-11-1	2226304-11	Sulfate	11/3/2022	45	Y	y	v		1.0	0.14	mg/L
MW-11-1	2226304-11	Chloride	11/3/2022	21	Y	y	v		0.50	0.13	mg/L
MW-11-1	2226304-11	Nitrate as N	11/3/2022	0.21	Y	y	v		0.10	0.024	mg/L
MW-11-1	B153196-DUP	Sulfate	11/3/2022	44.661	Y	y	v		1.0	0.14	mg/L
MW-11-1	B153196-DUP	Nitrate as N	11/3/2022	0.188	Y	y	v		0.10	0.024	mg/L
MW-11-1	B153196-DUP	Chloride	11/3/2022	21.258	Y	y	v		0.50	0.13	mg/L

Analytical Method EPA-314.0

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-8-4Q22	2226304-10	Perchlorate	11/22/2022	2	Y	n	u		2.0	0.81	ug/L
EB-7-110122	2226304-12	Perchlorate	11/22/2022	2	Y	n	u		2.0	0.81	ug/L
MW-11-1	2226304-11	Perchlorate	11/22/2022	2	Y	n	u		2.0	0.81	ug/L
MW-11-2	2226304-09	Perchlorate	11/22/2022	2	Y	n	u		2.0	0.81	ug/L
MW-11-3	2226304-08	Perchlorate	11/22/2022	2	Y	n	u		2.0	0.81	ug/L
MW-11-4	2226304-07	Perchlorate	11/22/2022	2	Y	n	u		2.0	0.81	ug/L
MW-11-5	2226304-06	Perchlorate	11/22/2022	2	Y	n	u		2.0	0.81	ug/L

SDG: 2226304

Analytical Method EPA-314.0

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-21-2	2226304-05	Perchlorate	11/22/2022	4	Y	n	u		4.0	1.6	ug/L
MW-21-3	2226304-04	Perchlorate	11/22/2022	3	Y	y	v j		4.0	1.6	ug/L
MW-21-4	2226304-03	Perchlorate	11/22/2022	3.3	Y	y	v		2.0	0.81	ug/L
MW-21-5	2226304-02	Perchlorate	11/22/2022	3	Y	y	v		2.0	0.81	ug/L
MW-21-5	B154372-DUP	Perchlorate	11/23/2022	3.2671	Y	y	v		2.0	0.81	ug/L
SB-2-110122	2226304-13	Perchlorate	11/22/2022	2	Y	n	u		2.0	0.81	ug/L

Analytical Method EPA-353.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-11-1	2226304-11	Nitrite as N	11/3/2022	0.05	Y	n	u		0.050	0.010	mg/L
MW-11-1	B153418-DUP	Nitrite as N	11/3/2022	0.05	Y	n	u		0.050	0.010	mg/L

Analytical Method EPA-365.1

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-11-1	2226304-11	ortho-Phosphate as P	11/3/2022	0.03	Y	y	v j		0.050	0.017	mg/L
MW-11-1	B153728-DUP	ortho-Phosphate as P	11/3/2022	0.0305	Y	y	v j		0.050	0.017	mg/L

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-8-4Q22	2226304-10	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
DUP-8-4Q22	2226304-10	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
DUP-8-4Q22	2226304-10	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
DUP-8-4Q22	2226304-10	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
DUP-8-4Q22	2226304-10	t-Butyl alcohol	11/7/2022	2	Y	n	u		2.0	2.0	ug/L
DUP-8-4Q22	2226304-10	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-8-4Q22	2226304-10	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
DUP-8-4Q22	2226304-10	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L

SDG: 2226304

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-8-4Q22	2226304-10	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
DUP-8-4Q22	2226304-10	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-8-4Q22	2226304-10	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-8-4Q22	2226304-10	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-8-4Q22	2226304-10	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
DUP-8-4Q22	2226304-10	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-8-4Q22	2226304-10	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
DUP-8-4Q22	2226304-10	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
DUP-8-4Q22	2226304-10	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
DUP-8-4Q22	2226304-10	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-8-4Q22	2226304-10	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
DUP-8-4Q22	2226304-10	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
DUP-8-4Q22	2226304-10	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
DUP-8-4Q22	2226304-10	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
DUP-8-4Q22	2226304-10	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
DUP-8-4Q22	2226304-10	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
DUP-8-4Q22	2226304-10	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
DUP-8-4Q22	2226304-10	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
DUP-8-4Q22	2226304-10	Pentachloroethane	11/7/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
DUP-8-4Q22	2226304-10	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
DUP-8-4Q22	2226304-10	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
DUP-8-4Q22	2226304-10	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
DUP-8-4Q22	2226304-10	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-8-4Q22	2226304-10	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.6	Y	y	v s				ug/L
DUP-8-4Q22	2226304-10	Toluene-d8 (Surrogate)	11/7/2022	9.9	Y	y	v s				ug/L

SDG: 2226304

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-8-4Q22	2226304-10	4-Bromofluorobenzene (Surrogate)	11/7/2022	9	Y	y	v s				ug/L
DUP-8-4Q22	2226304-10	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
DUP-8-4Q22	2226304-10	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
DUP-8-4Q22	2226304-10	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
DUP-8-4Q22	2226304-10	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
DUP-8-4Q22	2226304-10	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
DUP-8-4Q22	2226304-10	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-8-4Q22	2226304-10	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-8-4Q22	2226304-10	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-8-4Q22	2226304-10	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
DUP-8-4Q22	2226304-10	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-8-4Q22	2226304-10	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
DUP-8-4Q22	2226304-10	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
DUP-8-4Q22	2226304-10	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
DUP-8-4Q22	2226304-10	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
DUP-8-4Q22	2226304-10	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
DUP-8-4Q22	2226304-10	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-8-4Q22	2226304-10	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-8-4Q22	2226304-10	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-8-4Q22	2226304-10	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
DUP-8-4Q22	2226304-10	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-8-4Q22	2226304-10	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-8-4Q22	2226304-10	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
DUP-8-4Q22	2226304-10	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-8-4Q22	2226304-10	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L

SDG: 2226304

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-8-4Q22	2226304-10	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
DUP-8-4Q22	2226304-10	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
DUP-8-4Q22	2226304-10	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
DUP-8-4Q22	2226304-10	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
DUP-8-4Q22	2226304-10	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-8-4Q22	2226304-10	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
DUP-8-4Q22	2226304-10	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-8-4Q22	2226304-10	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-8-4Q22	2226304-10	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-8-4Q22	2226304-10	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
DUP-8-4Q22	2226304-10	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-8-4Q22	2226304-10	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-8-4Q22	2226304-10	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-8-4Q22	2226304-10	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-8-4Q22	2226304-10	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
DUP-8-4Q22	2226304-10	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
DUP-8-4Q22	2226304-10	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
DUP-8-4Q22	2226304-10	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-8-4Q22	2226304-10	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
DUP-8-4Q22	2226304-10	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-8-4Q22	2226304-10	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
DUP-8-4Q22	2226304-10	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
DUP-8-4Q22	2226304-10	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
DUP-8-4Q22	2226304-10	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-8-4Q22	2226304-10	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L

SDG: 2226304

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
DUP-8-4Q22	2226304-10	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
DUP-8-4Q22	2226304-10	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-8-4Q22	2226304-10	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
DUP-8-4Q22	2226304-10	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
DUP-8-4Q22	2226304-10	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
DUP-8-4Q22	2226304-10	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
DUP-8-4Q22	2226304-10	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-7-110122	2226304-12	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-7-110122	2226304-12	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
EB-7-110122	2226304-12	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
EB-7-110122	2226304-12	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
EB-7-110122	2226304-12	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
EB-7-110122	2226304-12	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
EB-7-110122	2226304-12	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-7-110122	2226304-12	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-7-110122	2226304-12	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-7-110122	2226304-12	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-7-110122	2226304-12	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-7-110122	2226304-12	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
EB-7-110122	2226304-12	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
EB-7-110122	2226304-12	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-7-110122	2226304-12	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-7-110122	2226304-12	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-7-110122	2226304-12	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-7-110122	2226304-12	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L

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EB-7-110122	2226304-12	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-7-110122	2226304-12	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-7-110122	2226304-12	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
EB-7-110122	2226304-12	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
EB-7-110122	2226304-12	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
EB-7-110122	2226304-12	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
EB-7-110122	2226304-12	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
EB-7-110122	2226304-12	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
EB-7-110122	2226304-12	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
EB-7-110122	2226304-12	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-7-110122	2226304-12	Pentachloroethane	11/7/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
EB-7-110122	2226304-12	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
EB-7-110122	2226304-12	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
EB-7-110122	2226304-12	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
EB-7-110122	2226304-12	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-7-110122	2226304-12	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
EB-7-110122	2226304-12	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
EB-7-110122	2226304-12	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
EB-7-110122	2226304-12	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
EB-7-110122	2226304-12	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
EB-7-110122	2226304-12	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
EB-7-110122	2226304-12	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
EB-7-110122	2226304-12	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
EB-7-110122	2226304-12	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
EB-7-110122	2226304-12	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L

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EB-7-110122	2226304-12	Toluene-d8 (Surrogate)	11/7/2022	10	Y	y	v s				ug/L
EB-7-110122	2226304-12	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
EB-7-110122	2226304-12	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
EB-7-110122	2226304-12	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
EB-7-110122	2226304-12	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
EB-7-110122	2226304-12	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
EB-7-110122	2226304-12	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
EB-7-110122	2226304-12	4-Bromofluorobenzene (Surrogate)	11/7/2022	8.8	Y	y	v s				ug/L
EB-7-110122	2226304-12	t-Butyl alcohol	11/7/2022	2	Y	n	u		2.0	2.0	ug/L
EB-7-110122	2226304-12	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.5	Y	y	v s				ug/L
EB-7-110122	2226304-12	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-7-110122	2226304-12	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
EB-7-110122	2226304-12	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
EB-7-110122	2226304-12	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
EB-7-110122	2226304-12	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
EB-7-110122	2226304-12	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
EB-7-110122	2226304-12	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-7-110122	2226304-12	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
EB-7-110122	2226304-12	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-7-110122	2226304-12	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-7-110122	2226304-12	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-7-110122	2226304-12	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-7-110122	2226304-12	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
EB-7-110122	2226304-12	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-7-110122	2226304-12	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L

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EB-7-110122	2226304-12	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-7-110122	2226304-12	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
EB-7-110122	2226304-12	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
EB-7-110122	2226304-12	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-7-110122	2226304-12	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
EB-7-110122	2226304-12	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-7-110122	2226304-12	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
EB-7-110122	2226304-12	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
EB-7-110122	2226304-12	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-7-110122	2226304-12	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-7-110122	2226304-12	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-7-110122	2226304-12	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
EB-7-110122	2226304-12	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
EB-7-110122	2226304-12	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-7-110122	2226304-12	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-7-110122	2226304-12	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
EB-7-110122	2226304-12	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
EB-7-110122	2226304-12	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
EB-7-110122	2226304-12	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-7-110122	2226304-12	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
EB-7-110122	2226304-12	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
EB-7-110122	2226304-12	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-1	2226304-11	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-1	2226304-11	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-11-1	2226304-11	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L

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MW-11-1	2226304-11	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-11-1	2226304-11	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-11-1	2226304-11	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-1	2226304-11	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-11-1	2226304-11	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-1	2226304-11	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-1	2226304-11	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-1	2226304-11	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-11-1	2226304-11	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-1	2226304-11	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-1	2226304-11	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-1	2226304-11	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-1	2226304-11	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-1	2226304-11	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-1	2226304-11	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-1	2226304-11	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-1	2226304-11	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-1	2226304-11	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-11-1	2226304-11	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-11-1	2226304-11	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-1	2226304-11	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-1	2226304-11	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-1	2226304-11	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-11-1	2226304-11	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-1	2226304-11	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L

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MW-11-1	2226304-11	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-1	2226304-11	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-1	2226304-11	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-1	2226304-11	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-11-1	2226304-11	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
MW-11-1	2226304-11	t-Butyl alcohol	11/7/2022	2	Y	n	u		2.0	2.0	ug/L
MW-11-1	2226304-11	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-11-1	2226304-11	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-11-1	2226304-11	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-11-1	2226304-11	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
MW-11-1	2226304-11	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-11-1	2226304-11	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-1	2226304-11	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-11-1	2226304-11	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
MW-11-1	2226304-11	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-11-1	2226304-11	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-11-1	2226304-11	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-11-1	2226304-11	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-1	2226304-11	Pentachloroethane	11/7/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-11-1	2226304-11	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
MW-11-1	2226304-11	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
MW-11-1	2226304-11	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-11-1	2226304-11	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-1	2226304-11	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.7	Y	y	v s				ug/L
MW-11-1	2226304-11	Toluene-d8 (Surrogate)	11/7/2022	9.8	Y	y	v s				ug/L

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MW-11-1	2226304-11	4-Bromofluorobenzene (Surrogate)	11/7/2022	8.8	Y	y	v s				ug/L
MW-11-1	2226304-11	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-11-1	2226304-11	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-11-1	2226304-11	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
MW-11-1	2226304-11	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-11-1	2226304-11	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-11-1	2226304-11	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-11-1	2226304-11	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
MW-11-1	2226304-11	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-11-1	2226304-11	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-11-1	2226304-11	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-1	2226304-11	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-1	2226304-11	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-1	2226304-11	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-11-1	2226304-11	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-1	2226304-11	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-1	2226304-11	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-11-1	2226304-11	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-1	2226304-11	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-1	2226304-11	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-11-1	2226304-11	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-1	2226304-11	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-11-1	2226304-11	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-1	2226304-11	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
MW-11-1	2226304-11	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L

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MW-11-1	2226304-11	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-1	2226304-11	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
MW-11-1	2226304-11	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-1	2226304-11	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-1	2226304-11	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
MW-11-1	2226304-11	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-1	2226304-11	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-1	2226304-11	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-1	2226304-11	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-1	2226304-11	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-1	2226304-11	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-1	2226304-11	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-2	2226304-09	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-11-2	2226304-09	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
MW-11-2	2226304-09	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
MW-11-2	2226304-09	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-11-2	2226304-09	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-11-2	2226304-09	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-11-2	2226304-09	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-11-2	2226304-09	4-Bromofluorobenzene (Surrogate)	11/7/2022	9	Y	y	v s				ug/L
MW-11-2	2226304-09	Toluene-d8 (Surrogate)	11/7/2022	9.8	Y	y	v s				ug/L
MW-11-2	2226304-09	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-2	2226304-09	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
MW-11-2	2226304-09	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.6	Y	y	v s				ug/L
MW-11-2	2226304-09	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L

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MW-11-2	2226304-09	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-2	2226304-09	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-11-2	2226304-09	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-2	2226304-09	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-2	2226304-09	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-11-2	2226304-09	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-11-2	2226304-09	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-11-2	2226304-09	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-2	2226304-09	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
MW-11-2	2226304-09	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-2	2226304-09	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-2	2226304-09	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-2	2226304-09	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-2	2226304-09	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-11-2	2226304-09	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-2	2226304-09	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-11-2	2226304-09	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-11-2	2226304-09	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-2	2226304-09	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-2	2226304-09	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-2	2226304-09	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
MW-11-2	2226304-09	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-2	2226304-09	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-2	2226304-09	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-2	2226304-09	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L

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MW-11-2	2226304-09	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-11-2	2226304-09	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
MW-11-2	2226304-09	Pentachloroethane	11/7/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-11-2	2226304-09	t-Butyl alcohol	11/7/2022	2	Y	n	u		2.0	2.0	ug/L
MW-11-2	2226304-09	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-11-2	2226304-09	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-11-2	2226304-09	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
MW-11-2	2226304-09	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-11-2	2226304-09	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-2	2226304-09	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-11-2	2226304-09	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
MW-11-2	2226304-09	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-11-2	2226304-09	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-11-2	2226304-09	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-11-2	2226304-09	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
MW-11-2	2226304-09	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
MW-11-2	2226304-09	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-11-2	2226304-09	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-11-2	2226304-09	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-2	2226304-09	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-11-2	2226304-09	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-2	2226304-09	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-2	2226304-09	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-11-2	2226304-09	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-2	2226304-09	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L

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MW-11-2	2226304-09	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-2	2226304-09	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-2	2226304-09	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-2	2226304-09	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-2	2226304-09	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-11-2	2226304-09	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-2	2226304-09	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
MW-11-2	2226304-09	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-11-2	2226304-09	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-11-2	2226304-09	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-2	2226304-09	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-11-2	2226304-09	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-2	2226304-09	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-2	2226304-09	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-2	2226304-09	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-2	2226304-09	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-2	2226304-09	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-2	2226304-09	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-2	2226304-09	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-2	2226304-09	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-2	2226304-09	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-2	2226304-09	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-2	2226304-09	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-11-2	2226304-09	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-2	2226304-09	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L

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MW-11-2	2226304-09	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-2	2226304-09	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-3	2226304-08	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.7	Y	y	v s				ug/L
MW-11-3	2226304-08	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-3	2226304-08	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-3	2226304-08	Pentachloroethane	11/7/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-11-3	2226304-08	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
MW-11-3	2226304-08	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
MW-11-3	2226304-08	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-3	2226304-08	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-3	2226304-08	Toluene-d8 (Surrogate)	11/7/2022	9.8	Y	y	v s				ug/L
MW-11-3	2226304-08	4-Bromofluorobenzene (Surrogate)	11/7/2022	9	Y	y	v s				ug/L
MW-11-3	2226304-08	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
MW-11-3	2226304-08	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-11-3	2226304-08	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
MW-11-3	2226304-08	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-11-3	2226304-08	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-11-3	2226304-08	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-11-3	2226304-08	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-11-3	2226304-08	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-11-3	2226304-08	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-3	2226304-08	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-11-3	2226304-08	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-3	2226304-08	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-3	2226304-08	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L

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MW-11-3	2226304-08	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-3	2226304-08	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
MW-11-3	2226304-08	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-3	2226304-08	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-3	2226304-08	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
MW-11-3	2226304-08	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-3	2226304-08	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-11-3	2226304-08	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-3	2226304-08	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-3	2226304-08	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-11-3	2226304-08	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-3	2226304-08	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-3	2226304-08	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-11-3	2226304-08	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-3	2226304-08	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-11-3	2226304-08	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-3	2226304-08	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
MW-11-3	2226304-08	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-11-3	2226304-08	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-11-3	2226304-08	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-11-3	2226304-08	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
MW-11-3	2226304-08	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
MW-11-3	2226304-08	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-3	2226304-08	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-3	2226304-08	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L

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MW-11-3	2226304-08	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-11-3	2226304-08	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-11-3	2226304-08	Carbon disulfide	11/7/2022	0.76	Y	y	v	J	0.50	0.48	ug/L
MW-11-3	2226304-08	t-Butyl alcohol	11/7/2022	2	Y	n	u		2.0	2.0	ug/L
MW-11-3	2226304-08	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-3	2226304-08	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-11-3	2226304-08	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-3	2226304-08	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-3	2226304-08	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-11-3	2226304-08	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-3	2226304-08	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-11-3	2226304-08	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-11-3	2226304-08	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
MW-11-3	2226304-08	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-11-3	2226304-08	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-11-3	2226304-08	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-3	2226304-08	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-3	2226304-08	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-3	2226304-08	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-3	2226304-08	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-11-3	2226304-08	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-3	2226304-08	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-3	2226304-08	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-11-3	2226304-08	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-3	2226304-08	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L

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MW-11-3	2226304-08	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-3	2226304-08	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-3	2226304-08	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-3	2226304-08	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-11-3	2226304-08	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-3	2226304-08	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-3	2226304-08	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-3	2226304-08	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-3	2226304-08	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-11-3	2226304-08	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-3	2226304-08	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-3	2226304-08	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-3	2226304-08	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-3	2226304-08	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-3	2226304-08	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-11-3	2226304-08	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-3	2226304-08	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-4	2226304-07	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-11-4	2226304-07	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-11-4	2226304-07	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-4	2226304-07	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-4	2226304-07	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-11-4	2226304-07	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-4	2226304-07	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-4	2226304-07	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L

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MW-11-4	2226304-07	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-4	2226304-07	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-4	2226304-07	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-11-4	2226304-07	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
MW-11-4	2226304-07	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-11-4	2226304-07	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
MW-11-4	2226304-07	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-11-4	2226304-07	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-4	2226304-07	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-4	2226304-07	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-4	2226304-07	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-4	2226304-07	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-4	2226304-07	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-4	2226304-07	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-11-4	2226304-07	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-11-4	2226304-07	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-4	2226304-07	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-11-4	2226304-07	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-4	2226304-07	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-11-4	2226304-07	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-4	2226304-07	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-4	2226304-07	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-4	2226304-07	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-11-4	2226304-07	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-4	2226304-07	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L

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MW-11-4	2226304-07	4-Bromofluorobenzene (Surrogate)	11/7/2022	9.1	Y	y	v s				ug/L
MW-11-4	2226304-07	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-4	2226304-07	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-11-4	2226304-07	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
MW-11-4	2226304-07	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
MW-11-4	2226304-07	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-11-4	2226304-07	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-4	2226304-07	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-11-4	2226304-07	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-4	2226304-07	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
MW-11-4	2226304-07	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-4	2226304-07	Trichloroethene	11/7/2022	0.3	Y	y	v j		0.50	0.19	ug/L
MW-11-4	2226304-07	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-4	2226304-07	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-4	2226304-07	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-11-4	2226304-07	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-11-4	2226304-07	Toluene-d8 (Surrogate)	11/7/2022	10	Y	y	v s				ug/L
MW-11-4	2226304-07	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
MW-11-4	2226304-07	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
MW-11-4	2226304-07	Pentachloroethane	11/7/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-11-4	2226304-07	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
MW-11-4	2226304-07	t-Butyl alcohol	11/7/2022	2	Y	n	u		2.0	2.0	ug/L
MW-11-4	2226304-07	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-11-4	2226304-07	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.7	Y	y	v s				ug/L
MW-11-4	2226304-07	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L

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MW-11-4	2226304-07	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-11-4	2226304-07	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-4	2226304-07	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-11-4	2226304-07	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
MW-11-4	2226304-07	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-11-4	2226304-07	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-11-4	2226304-07	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-4	2226304-07	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-11-4	2226304-07	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-11-4	2226304-07	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-11-4	2226304-07	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-4	2226304-07	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-4	2226304-07	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-4	2226304-07	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-4	2226304-07	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-4	2226304-07	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-11-4	2226304-07	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-4	2226304-07	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-4	2226304-07	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-4	2226304-07	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-4	2226304-07	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-4	2226304-07	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-11-4	2226304-07	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-11-4	2226304-07	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
MW-11-4	2226304-07	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L

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MW-11-4	2226304-07	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-4	2226304-07	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-11-4	2226304-07	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-11-4	2226304-07	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-4	2226304-07	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-4	2226304-07	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-4	2226304-07	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-5	2226304-06	Toluene-d8 (Surrogate)	11/7/2022	9.7	Y	y	v s				ug/L
MW-11-5	2226304-06	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
MW-11-5	2226304-06	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-11-5	2226304-06	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-11-5	2226304-06	4-Bromofluorobenzene (Surrogate)	11/7/2022	9.3	Y	y	v s				ug/L
MW-11-5	2226304-06	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	10	Y	y	v s				ug/L
MW-11-5	2226304-06	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-11-5	2226304-06	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
MW-11-5	2226304-06	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-11-5	2226304-06	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-11-5	2226304-06	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-5	2226304-06	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-5	2226304-06	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-5	2226304-06	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-5	2226304-06	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-11-5	2226304-06	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-5	2226304-06	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-5	2226304-06	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L

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MW-11-5	2226304-06	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
MW-11-5	2226304-06	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-11-5	2226304-06	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-5	2226304-06	t-Butyl alcohol	11/7/2022	2	Y	n	u		2.0	2.0	ug/L
MW-11-5	2226304-06	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-11-5	2226304-06	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-11-5	2226304-06	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-11-5	2226304-06	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-11-5	2226304-06	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-5	2226304-06	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-11-5	2226304-06	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-11-5	2226304-06	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
MW-11-5	2226304-06	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-11-5	2226304-06	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-11-5	2226304-06	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-11-5	2226304-06	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
MW-11-5	2226304-06	Pentachloroethane	11/7/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-11-5	2226304-06	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
MW-11-5	2226304-06	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
MW-11-5	2226304-06	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
MW-11-5	2226304-06	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-11-5	2226304-06	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-11-5	2226304-06	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
MW-11-5	2226304-06	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-11-5	2226304-06	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L

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MW-11-5	2226304-06	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-5	2226304-06	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-5	2226304-06	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-5	2226304-06	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-5	2226304-06	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-5	2226304-06	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-5	2226304-06	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-11-5	2226304-06	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-5	2226304-06	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-5	2226304-06	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-11-5	2226304-06	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-11-5	2226304-06	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-11-5	2226304-06	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-5	2226304-06	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-5	2226304-06	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-11-5	2226304-06	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-5	2226304-06	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-5	2226304-06	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-5	2226304-06	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-5	2226304-06	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-5	2226304-06	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-5	2226304-06	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-11-5	2226304-06	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-5	2226304-06	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-11-5	2226304-06	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L

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MW-11-5	2226304-06	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-11-5	2226304-06	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-11-5	2226304-06	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-5	2226304-06	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-5	2226304-06	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-5	2226304-06	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-5	2226304-06	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-11-5	2226304-06	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-11-5	2226304-06	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-5	2226304-06	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-5	2226304-06	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-11-5	2226304-06	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-11-5	2226304-06	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-11-5	2226304-06	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
MW-11-5	2226304-06	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-5	2226304-06	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-5	2226304-06	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-11-5	2226304-06	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-11-5	2226304-06	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-11-5	2226304-06	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-5	2226304-06	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-11-5	2226304-06	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-2	2226304-05	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-2	2226304-05	t-Butyl alcohol	11/7/2022	2	Y	n	u		2.0	2.0	ug/L
MW-21-2	2226304-05	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L

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MW-21-2	2226304-05	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-21-2	2226304-05	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
MW-21-2	2226304-05	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
MW-21-2	2226304-05	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-21-2	2226304-05	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-2	2226304-05	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-2	2226304-05	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-2	2226304-05	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-2	2226304-05	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-2	2226304-05	Tetrachloroethene	11/7/2022	0.33	Y	y	v j		0.50	0.23	ug/L
MW-21-2	2226304-05	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-21-2	2226304-05	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-21-2	2226304-05	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-2	2226304-05	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-2	2226304-05	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-2	2226304-05	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-2	2226304-05	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
MW-21-2	2226304-05	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-21-2	2226304-05	4-Bromofluorobenzene (Surrogate)	11/7/2022	9.1	Y	y	v s				ug/L
MW-21-2	2226304-05	Toluene-d8 (Surrogate)	11/7/2022	9.9	Y	y	v s				ug/L
MW-21-2	2226304-05	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.5	Y	y	v s				ug/L
MW-21-2	2226304-05	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-2	2226304-05	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-21-2	2226304-05	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
MW-21-2	2226304-05	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L

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MW-21-2	2226304-05	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-21-2	2226304-05	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
MW-21-2	2226304-05	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-21-2	2226304-05	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-21-2	2226304-05	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-21-2	2226304-05	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
MW-21-2	2226304-05	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-21-2	2226304-05	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-21-2	2226304-05	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-2	2226304-05	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
MW-21-2	2226304-05	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-21-2	2226304-05	Pentachloroethane	11/7/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-21-2	2226304-05	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-2	2226304-05	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-2	2226304-05	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-21-2	2226304-05	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-21-2	2226304-05	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
MW-21-2	2226304-05	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-21-2	2226304-05	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-21-2	2226304-05	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-2	2226304-05	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-21-2	2226304-05	Chloroform	11/7/2022	0.22	Y	y	v j		0.50	0.14	ug/L
MW-21-2	2226304-05	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-21-2	2226304-05	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-2	2226304-05	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L

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MW-21-2	2226304-05	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-21-2	2226304-05	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-2	2226304-05	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-2	2226304-05	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-21-2	2226304-05	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-21-2	2226304-05	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-21-2	2226304-05	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-21-2	2226304-05	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-2	2226304-05	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-21-2	2226304-05	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-2	2226304-05	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-2	2226304-05	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-21-2	2226304-05	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
MW-21-2	2226304-05	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-21-2	2226304-05	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-2	2226304-05	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-2	2226304-05	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-2	2226304-05	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-2	2226304-05	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-21-2	2226304-05	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-2	2226304-05	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-2	2226304-05	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-2	2226304-05	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-21-2	2226304-05	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-21-2	2226304-05	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-21-2	2226304-05	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-2	2226304-05	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-2	2226304-05	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-21-2	2226304-05	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-21-2	2226304-05	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-2	2226304-05	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-2	2226304-05	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-2	2226304-05	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-2	2226304-05	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
MW-21-2	2226304-05	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-21-2	2226304-05	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-21-2	2226304-05	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-21-3	2226304-04	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-3	2226304-04	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
MW-21-3	2226304-04	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
MW-21-3	2226304-04	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-21-3	2226304-04	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-3	2226304-04	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-3	2226304-04	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-3	2226304-04	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
MW-21-3	2226304-04	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-3	2226304-04	Trichloroethene	11/7/2022	0.96	Y	y	v		0.50	0.19	ug/L
MW-21-3	2226304-04	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-3	2226304-04	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-3	2226304-04	t-Butyl alcohol	11/7/2022	2	Y	n	u		2.0	2.0	ug/L

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MW-21-3	2226304-04	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-3	2226304-04	Tetrachloroethene	11/7/2022	0.52	Y	y	v		0.50	0.23	ug/L
MW-21-3	2226304-04	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-3	2226304-04	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-3	2226304-04	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-21-3	2226304-04	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-21-3	2226304-04	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-21-3	2226304-04	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-3	2226304-04	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-21-3	2226304-04	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
MW-21-3	2226304-04	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-21-3	2226304-04	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
MW-21-3	2226304-04	Toluene-d8 (Surrogate)	11/7/2022	9.8	Y	y	v s				ug/L
MW-21-3	2226304-04	Pentachloroethane	11/7/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-21-3	2226304-04	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-21-3	2226304-04	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
MW-21-3	2226304-04	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
MW-21-3	2226304-04	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-21-3	2226304-04	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-21-3	2226304-04	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-3	2226304-04	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
MW-21-3	2226304-04	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-21-3	2226304-04	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-21-3	2226304-04	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-21-3	2226304-04	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L

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MW-21-3	2226304-04	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-21-3	2226304-04	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-21-3	2226304-04	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-21-3	2226304-04	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-3	2226304-04	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-21-3	2226304-04	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-21-3	2226304-04	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-21-3	2226304-04	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-3	2226304-04	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-21-3	2226304-04	Chloroform	11/7/2022	0.42	Y	y	v j		0.50	0.14	ug/L
MW-21-3	2226304-04	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-3	2226304-04	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-3	2226304-04	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-3	2226304-04	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-21-3	2226304-04	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-3	2226304-04	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-3	2226304-04	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-21-3	2226304-04	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-21-3	2226304-04	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-21-3	2226304-04	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-21-3	2226304-04	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-3	2226304-04	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-21-3	2226304-04	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-21-3	2226304-04	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-3	2226304-04	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.8	Y	y	v s				ug/L

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MW-21-3	2226304-04	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-3	2226304-04	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-21-3	2226304-04	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-3	2226304-04	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-21-3	2226304-04	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-3	2226304-04	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-3	2226304-04	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-3	2226304-04	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-3	2226304-04	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-21-3	2226304-04	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-3	2226304-04	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-21-3	2226304-04	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-3	2226304-04	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
MW-21-3	2226304-04	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-21-3	2226304-04	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-3	2226304-04	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-3	2226304-04	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-3	2226304-04	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-3	2226304-04	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-21-3	2226304-04	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-3	2226304-04	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-21-3	2226304-04	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-3	2226304-04	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-3	2226304-04	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-21-3	2226304-04	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L

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MW-21-3	2226304-04	4-Bromofluorobenzene (Surrogate)	11/7/2022	9.1	Y	y	v s				ug/L
MW-21-3	2226304-04	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-21-4	2226304-03	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-4	2226304-03	t-Butyl alcohol	11/7/2022	2	Y	n	u		2.0	2.0	ug/L
MW-21-4	2226304-03	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-4	2226304-03	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-21-4	2226304-03	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
MW-21-4	2226304-03	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
MW-21-4	2226304-03	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-21-4	2226304-03	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-4	2226304-03	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-4	2226304-03	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-4	2226304-03	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
MW-21-4	2226304-03	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-21-4	2226304-03	Trichloroethene	11/7/2022	0.44	Y	y	v j		0.50	0.19	ug/L
MW-21-4	2226304-03	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
MW-21-4	2226304-03	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-4	2226304-03	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-4	2226304-03	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-4	2226304-03	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-4	2226304-03	Tetrachloroethene	11/7/2022	0.63	Y	y	v		0.50	0.23	ug/L
MW-21-4	2226304-03	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-4	2226304-03	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-4	2226304-03	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-4	2226304-03	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L

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MW-21-4	2226304-03	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-21-4	2226304-03	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
MW-21-4	2226304-03	4-Bromofluorobenzene (Surrogate)	11/7/2022	9.1	Y	y	v s				ug/L
MW-21-4	2226304-03	Toluene-d8 (Surrogate)	11/7/2022	9.7	Y	y	v s				ug/L
MW-21-4	2226304-03	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.9	Y	y	v s				ug/L
MW-21-4	2226304-03	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-4	2226304-03	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-21-4	2226304-03	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
MW-21-4	2226304-03	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-21-4	2226304-03	Pentachloroethane	11/7/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-21-4	2226304-03	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-21-4	2226304-03	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-21-4	2226304-03	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-21-4	2226304-03	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-21-4	2226304-03	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
MW-21-4	2226304-03	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-21-4	2226304-03	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-21-4	2226304-03	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-21-4	2226304-03	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-4	2226304-03	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-21-4	2226304-03	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
MW-21-4	2226304-03	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-4	2226304-03	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-21-4	2226304-03	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-21-4	2226304-03	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L

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MW-21-4	2226304-03	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-21-4	2226304-03	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-21-4	2226304-03	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-4	2226304-03	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-21-4	2226304-03	Chloroform	11/7/2022	3.4	Y	y	v		0.50	0.14	ug/L
MW-21-4	2226304-03	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-4	2226304-03	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-4	2226304-03	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-21-4	2226304-03	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-21-4	2226304-03	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-4	2226304-03	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-4	2226304-03	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-21-4	2226304-03	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-21-4	2226304-03	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-21-4	2226304-03	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-21-4	2226304-03	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-4	2226304-03	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-21-4	2226304-03	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-4	2226304-03	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-21-4	2226304-03	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-21-4	2226304-03	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-21-4	2226304-03	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-4	2226304-03	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-4	2226304-03	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-4	2226304-03	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L

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MW-21-4	2226304-03	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-4	2226304-03	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-4	2226304-03	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-21-4	2226304-03	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-4	2226304-03	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-21-4	2226304-03	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-4	2226304-03	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-4	2226304-03	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-4	2226304-03	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-21-4	2226304-03	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-21-4	2226304-03	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-4	2226304-03	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-4	2226304-03	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-4	2226304-03	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-4	2226304-03	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-4	2226304-03	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-21-4	2226304-03	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
MW-21-5	2226304-02	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-5	2226304-02	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-5	2226304-02	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-5	2226304-02	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-5	2226304-02	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-21-5	2226304-02	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-21-5	2226304-02	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-5	2226304-02	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L

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MW-21-5	2226304-02	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-5	2226304-02	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-21-5	2226304-02	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-5	2226304-02	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-5	2226304-02	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-5	2226304-02	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-21-5	2226304-02	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-5	2226304-02	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-5	2226304-02	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-5	2226304-02	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-5	2226304-02	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-21-5	2226304-02	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-21-5	2226304-02	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-5	2226304-02	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-5	2226304-02	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-21-5	2226304-02	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
MW-21-5	2226304-02	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-5	2226304-02	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-21-5	2226304-02	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-21-5	2226304-02	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-21-5	2226304-02	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-21-5	2226304-02	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-5	2226304-02	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-21-5	2226304-02	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-5	2226304-02	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L

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MW-21-5	2226304-02	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-21-5	2226304-02	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-5	2226304-02	Chloroform	11/7/2022	3.2	Y	y	v		0.50	0.14	ug/L
MW-21-5	2226304-02	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-21-5	2226304-02	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-5	2226304-02	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-21-5	2226304-02	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-21-5	2226304-02	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
MW-21-5	2226304-02	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-21-5	2226304-02	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-21-5	2226304-02	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-5	2226304-02	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-21-5	2226304-02	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-21-5	2226304-02	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-21-5	2226304-02	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
MW-21-5	2226304-02	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
MW-21-5	2226304-02	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
MW-21-5	2226304-02	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-21-5	2226304-02	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
MW-21-5	2226304-02	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
MW-21-5	2226304-02	Pentachloroethane	11/7/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-21-5	2226304-02	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-21-5	2226304-02	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
MW-21-5	2226304-02	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
MW-21-5	2226304-02	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L

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MW-21-5	2226304-02	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.4	Y	y	v s				ug/L
MW-21-5	2226304-02	Toluene-d8 (Surrogate)	11/7/2022	9.9	Y	y	v s				ug/L
MW-21-5	2226304-02	4-Bromofluorobenzene (Surrogate)	11/7/2022	9	Y	y	v s				ug/L
MW-21-5	2226304-02	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
MW-21-5	2226304-02	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
MW-21-5	2226304-02	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
MW-21-5	2226304-02	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
MW-21-5	2226304-02	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
MW-21-5	2226304-02	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
MW-21-5	2226304-02	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-5	2226304-02	Tetrachloroethene	11/7/2022	0.7	Y	y	v		0.50	0.23	ug/L
MW-21-5	2226304-02	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-21-5	2226304-02	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-5	2226304-02	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-21-5	2226304-02	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-5	2226304-02	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-5	2226304-02	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-5	2226304-02	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-5	2226304-02	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-21-5	2226304-02	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-5	2226304-02	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-21-5	2226304-02	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-21-5	2226304-02	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-21-5	2226304-02	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
MW-21-5	2226304-02	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L

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MW-21-5	2226304-02	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
MW-21-5	2226304-02	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-21-5	2226304-02	t-Butyl alcohol	11/7/2022	2	Y	n	u		2.0	2.0	ug/L
MW-21-5	2226304-02	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
MW-21-5	2226304-02	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
MW-21-5	2226304-02	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
MW-21-5	2226304-02	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
SB-2-110122	2226304-13	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
SB-2-110122	2226304-13	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
SB-2-110122	2226304-13	4-Bromofluorobenzene (Surrogate)	11/7/2022	9.1	Y	y	v s				ug/L
SB-2-110122	2226304-13	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
SB-2-110122	2226304-13	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
SB-2-110122	2226304-13	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-2-110122	2226304-13	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
SB-2-110122	2226304-13	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
SB-2-110122	2226304-13	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
SB-2-110122	2226304-13	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-2-110122	2226304-13	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-2-110122	2226304-13	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
SB-2-110122	2226304-13	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
SB-2-110122	2226304-13	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-2-110122	2226304-13	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
SB-2-110122	2226304-13	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
SB-2-110122	2226304-13	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
SB-2-110122	2226304-13	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L

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SB-2-110122	2226304-13	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
SB-2-110122	2226304-13	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
SB-2-110122	2226304-13	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
SB-2-110122	2226304-13	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
SB-2-110122	2226304-13	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
SB-2-110122	2226304-13	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
SB-2-110122	2226304-13	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
SB-2-110122	2226304-13	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
SB-2-110122	2226304-13	Toluene-d8 (Surrogate)	11/7/2022	9.9	Y	y	v s				ug/L
SB-2-110122	2226304-13	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	10	Y	y	v s				ug/L
SB-2-110122	2226304-13	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
SB-2-110122	2226304-13	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
SB-2-110122	2226304-13	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
SB-2-110122	2226304-13	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
SB-2-110122	2226304-13	Pentachloroethane	11/7/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
SB-2-110122	2226304-13	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
SB-2-110122	2226304-13	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
SB-2-110122	2226304-13	t-Butyl alcohol	11/7/2022	2	Y	n	u		2.0	2.0	ug/L
SB-2-110122	2226304-13	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
SB-2-110122	2226304-13	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
SB-2-110122	2226304-13	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
SB-2-110122	2226304-13	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
SB-2-110122	2226304-13	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
SB-2-110122	2226304-13	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
SB-2-110122	2226304-13	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
SB-2-110122	2226304-13	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
SB-2-110122	2226304-13	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
SB-2-110122	2226304-13	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
SB-2-110122	2226304-13	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
SB-2-110122	2226304-13	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
SB-2-110122	2226304-13	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
SB-2-110122	2226304-13	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-2-110122	2226304-13	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
SB-2-110122	2226304-13	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-2-110122	2226304-13	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
SB-2-110122	2226304-13	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-2-110122	2226304-13	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
SB-2-110122	2226304-13	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
SB-2-110122	2226304-13	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
SB-2-110122	2226304-13	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-2-110122	2226304-13	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
SB-2-110122	2226304-13	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
SB-2-110122	2226304-13	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
SB-2-110122	2226304-13	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
SB-2-110122	2226304-13	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-2-110122	2226304-13	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
SB-2-110122	2226304-13	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
SB-2-110122	2226304-13	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
SB-2-110122	2226304-13	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
SB-2-110122	2226304-13	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
SB-2-110122	2226304-13	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
SB-2-110122	2226304-13	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
SB-2-110122	2226304-13	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
SB-2-110122	2226304-13	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-2-110122	2226304-13	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-2-110122	2226304-13	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
SB-2-110122	2226304-13	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-2-110122	2226304-13	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
SB-2-110122	2226304-13	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
SB-2-110122	2226304-13	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
SB-2-110122	2226304-13	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-2-110122	2226304-13	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
SB-2-110122	2226304-13	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
SB-2-110122	2226304-13	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
SB-2-110122	2226304-13	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
SB-2-110122	2226304-13	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-2-110122	2226304-13	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-2-110122	2226304-13	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
SB-2-110122	2226304-13	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
SB-2-110122	2226304-13	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
SB-2-110122	2226304-13	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
SB-2-110122	2226304-13	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-7-110122	2226304-01	Chlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-7-110122	2226304-01	Carbon tetrachloride	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-7-110122	2226304-01	tert-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-7-110122	2226304-01	sec-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-7-110122	2226304-01	n-Butylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-7-110122	2226304-01	Bromomethane	11/7/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
TB-7-110122	2226304-01	Chloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-7-110122	2226304-01	Bromodichloromethane	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
TB-7-110122	2226304-01	Dibromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
TB-7-110122	2226304-01	Bromochloromethane	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-7-110122	2226304-01	Bromoform	11/7/2022	0.5	Y	n	u		0.50	0.46	ug/L
TB-7-110122	2226304-01	1,3-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
TB-7-110122	2226304-01	Chloroform	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-7-110122	2226304-01	Chloromethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-7-110122	2226304-01	4-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.093	ug/L
TB-7-110122	2226304-01	1,2-Dibromo-3-chloropropane	11/7/2022	1	Y	n	u		1.0	0.89	ug/L
TB-7-110122	2226304-01	1,2-Dibromoethane	11/7/2022	0.5	Y	n	u		0.50	0.22	ug/L
TB-7-110122	2226304-01	Dibromomethane	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
TB-7-110122	2226304-01	Bromobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-7-110122	2226304-01	1,1,2-Trichloro-1,2,2-trifluoroethane	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-7-110122	2226304-01	1,2-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-7-110122	2226304-01	2-Chlorotoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-7-110122	2226304-01	1,2,4-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-7-110122	2226304-01	1,4-Dichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-7-110122	2226304-01	1,1,2,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-7-110122	2226304-01	Toluene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-7-110122	2226304-01	1,2,3-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-7-110122	2226304-01	1,2,4-Trichlorobenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-7-110122	2226304-01	1,1,1-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-7-110122	2226304-01	1,1,2-Trichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-7-110122	2226304-01	Trichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-7-110122	2226304-01	1,3,5-Trimethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-7-110122	2226304-01	1,2,3-Trichloropropane	11/7/2022	1	Y	n	u		1.0	0.78	ug/L
TB-7-110122	2226304-01	Benzene	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-7-110122	2226304-01	Tetrachloroethene	11/7/2022	0.5	Y	n	u		0.50	0.23	ug/L
TB-7-110122	2226304-01	Vinyl chloride	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-7-110122	2226304-01	Acetone	11/7/2022	10	Y	n	u		10	6.6	ug/L
TB-7-110122	2226304-01	Acrylonitrile	11/7/2022	5	Y	n	u		5.0	1.5	ug/L
TB-7-110122	2226304-01	Allyl chloride	11/7/2022	5	Y	n	u		5.0	0.47	ug/L
TB-7-110122	2226304-01	t-Amyl Methyl ether	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-7-110122	2226304-01	t-Butyl alcohol	11/7/2022	2	Y	n	u		2.0	2.0	ug/L
TB-7-110122	2226304-01	Carbon disulfide	11/7/2022	0.5	Y	n	u	UJ	0.50	0.48	ug/L
TB-7-110122	2226304-01	trans-1,4-Dichloro-2-butene	11/7/2022	5	Y	n	u		5.0	1.8	ug/L
TB-7-110122	2226304-01	Trichlorofluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-7-110122	2226304-01	o-Xylene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-7-110122	2226304-01	Chloroacetonitrile	11/7/2022	0	Y	y	v				ug/L
TB-7-110122	2226304-01	2-Hexanone	11/7/2022	10	Y	n	u		10	5.0	ug/L
TB-7-110122	2226304-01	Methacrylonitrile	11/7/2022	10	Y	n	u		10	2.3	ug/L
TB-7-110122	2226304-01	Methyl ethyl ketone	11/7/2022	5	Y	n	u		5.0	3.3	ug/L
TB-7-110122	2226304-01	Methyl iodide	11/7/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
TB-7-110122	2226304-01	Methyl isobutyl ketone	11/7/2022	5	Y	n	u		5.0	2.4	ug/L
TB-7-110122	2226304-01	Methyl methacrylate	11/7/2022	5	Y	n	u		5.0	1.2	ug/L
TB-7-110122	2226304-01	Pentachloroethane	11/7/2022	2	Y	n	u	UJ	2.0	0.63	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-7-110122	2226304-01	Propionitrile	11/7/2022	20	Y	n	u		20	6.2	ug/L
TB-7-110122	2226304-01	Ethyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.32	ug/L
TB-7-110122	2226304-01	p- & m-Xylenes	11/7/2022	0.5	Y	n	u		0.50	0.34	ug/L
TB-7-110122	2226304-01	Ethyl methacrylate	11/7/2022	4	Y	n	u		4.0	1.3	ug/L
TB-7-110122	2226304-01	1,2-Dichloroethane-d4 (Surrogate)	11/7/2022	9.6	Y	y	v s				ug/L
TB-7-110122	2226304-01	Toluene-d8 (Surrogate)	11/7/2022	9.8	Y	y	v s				ug/L
TB-7-110122	2226304-01	4-Bromofluorobenzene (Surrogate)	11/7/2022	8.9	Y	y	v s				ug/L
TB-7-110122	2226304-01	Nitrobenzene	11/7/2022	0	Y	y	v				ug/L
TB-7-110122	2226304-01	1,1-Dichloropropanone	11/7/2022	0	Y	y	v				ug/L
TB-7-110122	2226304-01	1-Chlorobutane	11/7/2022	0	Y	y	v				ug/L
TB-7-110122	2226304-01	2-Nitropropane	11/7/2022	0	Y	y	v				ug/L
TB-7-110122	2226304-01	Methyl acrylate	11/7/2022	0	Y	y	v				ug/L
TB-7-110122	2226304-01	1,1,1,2-Tetrachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-7-110122	2226304-01	Tetrahydrofuran	11/7/2022	20	Y	n	u		20	5.2	ug/L
TB-7-110122	2226304-01	Ethylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-7-110122	2226304-01	1,1-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-7-110122	2226304-01	1,2-Dichloroethane	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-7-110122	2226304-01	1,1-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-7-110122	2226304-01	cis-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-7-110122	2226304-01	trans-1,2-Dichloroethene	11/7/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-7-110122	2226304-01	1,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-7-110122	2226304-01	1,3-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-7-110122	2226304-01	2,2-Dichloropropane	11/7/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-7-110122	2226304-01	1,1-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-7-110122	2226304-01	Hexachloroethane	11/7/2022	0.5	Y	n	u		0.50	0.11	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-7-110122	2226304-01	trans-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-7-110122	2226304-01	Dichlorodifluoromethane	11/7/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-7-110122	2226304-01	Hexachlorobutadiene	11/7/2022	0.5	Y	n	u		0.50	0.20	ug/L
TB-7-110122	2226304-01	Isopropylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-7-110122	2226304-01	p-Isopropyltoluene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-7-110122	2226304-01	Methylene chloride	11/7/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-7-110122	2226304-01	Methyl t-butyl ether	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-7-110122	2226304-01	Naphthalene	11/7/2022	0.5	Y	n	u		0.50	0.16	ug/L
TB-7-110122	2226304-01	n-Propylbenzene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
TB-7-110122	2226304-01	Styrene	11/7/2022	0.5	Y	n	u		0.50	0.12	ug/L
TB-7-110122	2226304-01	Diethyl ether	11/7/2022	2	Y	n	u		2.0	0.33	ug/L
TB-7-110122	2226304-01	cis-1,3-Dichloropropene	11/7/2022	0.5	Y	n	u		0.50	0.14	ug/L

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Analytical Method EPA-200.8

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-1	2226756-03	Total Recoverable Chromium	11/16/2022	3	Y	n	u	UJ	3.0	0.50	ug/L
MW-15	2226756-02	Total Recoverable Chromium	11/16/2022	18	Y	y	v	J	3.0	0.50	ug/L
MW-15	B153922-DUP	Total Recoverable Chromium	11/16/2022	24.092	Y	y	v		3.0	0.50	ug/L
MW-9	2226756-04	Total Recoverable Chromium	11/16/2022	620	Y	y	v	J	3.0	0.50	ug/L

Analytical Method EPA-218.6

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-1	2226756-03	Hexavalent Chromium	11/15/2022	######	Y	y	v j	U	0.0002	0.0000	mg/L
MW-1	B153960-DUP	Hexavalent Chromium	11/16/2022	######	Y	y	v j		0.0002	0.0000	mg/L
MW-15	2226756-02	Hexavalent Chromium	11/15/2022	######	Y	y	v		0.0002	0.0000	mg/L
MW-15	B153959-DUP	Hexavalent Chromium	11/15/2022	######	Y	y	v		0.0002	0.0000	mg/L
MW-9	2226756-04	Hexavalent Chromium	11/15/2022	0.0015	Y	y	v		0.0002	0.0000	mg/L
MW-9	B153961-DUP	Hexavalent Chromium	11/15/2022	######	Y	y	v		0.0002	0.0000	mg/L

Analytical Method EPA-314.0

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-1	2226756-03	Perchlorate	12/10/2022	2	Y	n	u	UJ	2.0	0.81	ug/L
MW-1	B155710-DUP	Perchlorate	12/10/2022	2	Y	n	u		2.0	0.81	ug/L
MW-15	2226756-02	Perchlorate	12/10/2022	2	Y	n	u	UJ	2.0	0.81	ug/L
MW-15	B155711-DUP	Perchlorate	12/10/2022	2	Y	n	u		2.0	0.81	ug/L
MW-9	2226756-04	Perchlorate	12/10/2022	2	Y	n	u	UJ	2.0	0.81	ug/L
MW-9	B155712-DUP	Perchlorate	12/10/2022	2	Y	n	u		2.0	0.81	ug/L

Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-1	2226756-03	Vinyl chloride	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L

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Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-1	2226756-03	Acetone	11/9/2022	10	Y	n	u		10	6.6	ug/L
MW-1	2226756-03	Acrylonitrile	11/9/2022	5	Y	n	u		5.0	1.5	ug/L
MW-1	2226756-03	Allyl chloride	11/9/2022	5	Y	n	u		5.0	0.47	ug/L
MW-1	2226756-03	t-Amyl Methyl ether	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-1	2226756-03	t-Butyl alcohol	11/9/2022	2	Y	n	u		2.0	2.0	ug/L
MW-1	2226756-03	Carbon disulfide	11/9/2022	0.5	Y	n	u		0.50	0.48	ug/L
MW-1	2226756-03	trans-1,4-Dichloro-2-butene	11/9/2022	5	Y	n	u		5.0	1.8	ug/L
MW-1	2226756-03	1,3,5-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-1	2226756-03	Diethyl ether	11/9/2022	2	Y	n	u		2.0	0.33	ug/L
MW-1	2226756-03	1,2,4-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-1	2226756-03	1,1,2-Trichloro-1,2,2-trifluoroethane	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-1	2226756-03	1,2,3-Trichloropropane	11/9/2022	1	Y	n	u		1.0	0.78	ug/L
MW-1	2226756-03	Trichlorofluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-1	2226756-03	Trichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-1	2226756-03	1,1,2-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-1	2226756-03	Ethyl methacrylate	11/9/2022	4	Y	n	u		4.0	1.3	ug/L
MW-1	2226756-03	1,2,4-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-1	2226756-03	Pentachloroethane	11/9/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-1	2226756-03	1,2,3-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-1	2226756-03	1,1,1-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-1	2226756-03	Propionitrile	11/9/2022	20	Y	n	u		20	6.2	ug/L
MW-1	2226756-03	2-Nitropropane	11/9/2022	0	Y	y	v				ug/L
MW-1	2226756-03	1,1-Dichloropropanone	11/9/2022	0	Y	y	v				ug/L
MW-1	2226756-03	Methyl acrylate	11/9/2022	0	Y	y	v				ug/L
MW-1	2226756-03	Chloroacetonitrile	11/9/2022	0	Y	y	v				ug/L

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Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-1	2226756-03	4-Bromofluorobenzene (Surrogate)	11/9/2022	9.2	Y	y	v s				ug/L
MW-1	2226756-03	Toluene-d8 (Surrogate)	11/9/2022	9.7	Y	y	v s				ug/L
MW-1	2226756-03	1,2-Dichloroethane-d4 (Surrogate)	11/9/2022	9.1	Y	y	v s				ug/L
MW-1	2226756-03	o-Xylene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-1	2226756-03	Methyl isobutyl ketone	11/9/2022	5	Y	n	u		5.0	2.4	ug/L
MW-1	2226756-03	Tetrahydrofuran	11/9/2022	20	Y	n	u		20	5.2	ug/L
MW-1	2226756-03	Ethyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-1	2226756-03	Methylene chloride	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-1	2226756-03	Methyl methacrylate	11/9/2022	5	Y	n	u		5.0	1.2	ug/L
MW-1	2226756-03	Toluene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-1	2226756-03	Methyl iodide	11/9/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-1	2226756-03	Methyl ethyl ketone	11/9/2022	5	Y	n	u		5.0	3.3	ug/L
MW-1	2226756-03	Methacrylonitrile	11/9/2022	10	Y	n	u		10	2.3	ug/L
MW-1	2226756-03	2-Hexanone	11/9/2022	10	Y	n	u		10	5.0	ug/L
MW-1	2226756-03	Hexachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-1	2226756-03	p- & m-Xylenes	11/9/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-1	2226756-03	Chloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-1	2226756-03	Naphthalene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-1	2226756-03	1,3-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-1	2226756-03	1,2-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-1	2226756-03	Dibromomethane	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-1	2226756-03	1,2-Dibromoethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-1	2226756-03	1,2-Dibromo-3-chloropropane	11/9/2022	1	Y	n	u		1.0	0.89	ug/L
MW-1	2226756-03	Dibromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-1	2226756-03	4-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.093	ug/L

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Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-1	2226756-03	2-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-1	2226756-03	Dichlorodifluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-1	2226756-03	Chloroform	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-1	2226756-03	1,1-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-1	2226756-03	Chlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-1	2226756-03	Carbon tetrachloride	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-1	2226756-03	tert-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-1	2226756-03	sec-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-1	2226756-03	n-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-1	2226756-03	Bromoform	11/9/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-1	2226756-03	Bromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-1	2226756-03	Bromobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-1	2226756-03	Benzene	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-1	2226756-03	Chloromethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-1	2226756-03	trans-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-1	2226756-03	1,1,2,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-1	2226756-03	1,1,1,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-1	2226756-03	Styrene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-1	2226756-03	n-Propylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-1	2226756-03	Nitrobenzene	11/9/2022	0	Y	y	v				ug/L
MW-1	2226756-03	Methyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-1	2226756-03	Bromomethane	11/9/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-1	2226756-03	p-Isopropyltoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-1	2226756-03	Isopropylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-1	2226756-03	1,4-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-1	2226756-03	Ethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-1	2226756-03	Tetrachloroethene	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-1	2226756-03	cis-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-1	2226756-03	1,1-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-1	2226756-03	2,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-1	2226756-03	1,3-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-1	2226756-03	1,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-1	2226756-03	trans-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-1	2226756-03	cis-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-1	2226756-03	1,1-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-1	2226756-03	1,2-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-1	2226756-03	Hexachlorobutadiene	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-1	2226756-03	1-Chlorobutane	11/9/2022	0	Y	y	v				ug/L
MW-1	2226756-03	Bromodichloromethane	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-15	2226756-02	1,1,2-Trichloro-1,2,2-trifluoroethane	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-15	2226756-02	trans-1,4-Dichloro-2-butene	11/9/2022	5	Y	n	u		5.0	1.8	ug/L
MW-15	2226756-02	Carbon disulfide	11/9/2022	0.5	Y	n	u		0.50	0.48	ug/L
MW-15	2226756-02	t-Butyl alcohol	11/9/2022	2	Y	n	u		2.0	2.0	ug/L
MW-15	2226756-02	t-Amyl Methyl ether	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-15	2226756-02	Allyl chloride	11/9/2022	5	Y	n	u		5.0	0.47	ug/L
MW-15	2226756-02	Acrylonitrile	11/9/2022	5	Y	n	u		5.0	1.5	ug/L
MW-15	2226756-02	Acetone	11/9/2022	10	Y	n	u		10	6.6	ug/L
MW-15	2226756-02	Vinyl chloride	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-15	2226756-02	1,1-Dichloropropanone	11/9/2022	0	Y	y	v				ug/L
MW-15	2226756-02	1,2,4-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-15	2226756-02	Ethyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-15	2226756-02	1,2,3-Trichloropropane	11/9/2022	1	Y	n	u		1.0	0.78	ug/L
MW-15	2226756-02	Trichlorofluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-15	2226756-02	Trichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-15	2226756-02	1,1,2-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-15	2226756-02	1,1,1-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-15	2226756-02	1,2,4-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-15	2226756-02	1,2,3-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-15	2226756-02	Toluene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-15	2226756-02	1,3,5-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-15	2226756-02	Tetrahydrofuran	11/9/2022	20	Y	n	u		20	5.2	ug/L
MW-15	2226756-02	1-Chlorobutane	11/9/2022	0	Y	y	v				ug/L
MW-15	2226756-02	2-Nitropropane	11/9/2022	0	Y	y	v				ug/L
MW-15	2226756-02	Chloroacetonitrile	11/9/2022	0	Y	y	v				ug/L
MW-15	2226756-02	Methyl acrylate	11/9/2022	0	Y	y	v				ug/L
MW-15	2226756-02	Nitrobenzene	11/9/2022	0	Y	y	v				ug/L
MW-15	2226756-02	4-Bromofluorobenzene (Surrogate)	11/9/2022	9.3	Y	y	v s				ug/L
MW-15	2226756-02	Toluene-d8 (Surrogate)	11/9/2022	9.8	Y	y	v s				ug/L
MW-15	2226756-02	1,2-Dichloroethane-d4 (Surrogate)	11/9/2022	9.2	Y	y	v s				ug/L
MW-15	2226756-02	Diethyl ether	11/9/2022	2	Y	n	u		2.0	0.33	ug/L
MW-15	2226756-02	p- & m-Xylenes	11/9/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-15	2226756-02	Ethyl methacrylate	11/9/2022	4	Y	n	u		4.0	1.3	ug/L
MW-15	2226756-02	Propionitrile	11/9/2022	20	Y	n	u		20	6.2	ug/L
MW-15	2226756-02	Pentachloroethane	11/9/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-15	2226756-02	Methyl methacrylate	11/9/2022	5	Y	n	u		5.0	1.2	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-15	2226756-02	Methyl isobutyl ketone	11/9/2022	5	Y	n	u		5.0	2.4	ug/L
MW-15	2226756-02	Methyl iodide	11/9/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-15	2226756-02	Methyl ethyl ketone	11/9/2022	5	Y	n	u		5.0	3.3	ug/L
MW-15	2226756-02	Methacrylonitrile	11/9/2022	10	Y	n	u		10	2.3	ug/L
MW-15	2226756-02	2-Hexanone	11/9/2022	10	Y	n	u		10	5.0	ug/L
MW-15	2226756-02	Hexachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-15	2226756-02	o-Xylene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-15	2226756-02	Carbon tetrachloride	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-15	2226756-02	1,1,2,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-15	2226756-02	Dibromomethane	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-15	2226756-02	1,2-Dibromoethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-15	2226756-02	1,2-Dibromo-3-chloropropane	11/9/2022	1	Y	n	u		1.0	0.89	ug/L
MW-15	2226756-02	Dibromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-15	2226756-02	4-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-15	2226756-02	2-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-15	2226756-02	Chloromethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-15	2226756-02	Chloroform	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-15	2226756-02	1,3-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-15	2226756-02	Chlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-15	2226756-02	1,4-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-15	2226756-02	tert-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-15	2226756-02	sec-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-15	2226756-02	n-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-15	2226756-02	Bromomethane	11/9/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-15	2226756-02	Bromoform	11/9/2022	0.5	Y	n	u		0.50	0.46	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-15	2226756-02	Bromodichloromethane	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-15	2226756-02	Bromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-15	2226756-02	Bromobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-15	2226756-02	Benzene	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-15	2226756-02	Chloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-15	2226756-02	1,1-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-15	2226756-02	Tetrachloroethene	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-15	2226756-02	n-Propylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-15	2226756-02	Naphthalene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-15	2226756-02	Methyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-15	2226756-02	Methylene chloride	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-15	2226756-02	p-Isopropyltoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-15	2226756-02	Isopropylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-15	2226756-02	Hexachlorobutadiene	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-15	2226756-02	Ethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-15	2226756-02	1,2-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-15	2226756-02	cis-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-15	2226756-02	Styrene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-15	2226756-02	2,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-15	2226756-02	1,3-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-15	2226756-02	1,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-15	2226756-02	trans-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-15	2226756-02	cis-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-15	2226756-02	1,1-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-15	2226756-02	1,2-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-15	2226756-02	1,1-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-15	2226756-02	Dichlorodifluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-15	2226756-02	trans-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-15	2226756-02	1,1,1,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-9	2226756-04	trans-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-9	2226756-04	Dichlorodifluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-9	2226756-04	1,1-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-9	2226756-04	1,2-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-9	2226756-04	1,1-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-9	2226756-04	cis-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-9	2226756-04	trans-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-9	2226756-04	1,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-9	2226756-04	1,3-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-9	2226756-04	2,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-9	2226756-04	Styrene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-9	2226756-04	cis-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-9	2226756-04	1,2-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-9	2226756-04	Ethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-9	2226756-04	Hexachlorobutadiene	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-9	2226756-04	Isopropylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-9	2226756-04	p-Isopropyltoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-9	2226756-04	Methylene chloride	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-9	2226756-04	Methyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-9	2226756-04	Naphthalene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-9	2226756-04	n-Propylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L

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MW-9	2226756-04	1,1-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-9	2226756-04	Chloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-9	2226756-04	Benzene	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-9	2226756-04	1,1-Dichloropropanone	11/9/2022	0	Y	y	v				ug/L
MW-9	2226756-04	Bromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-9	2226756-04	Bromodichloromethane	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-9	2226756-04	Bromoform	11/9/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-9	2226756-04	Bromomethane	11/9/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-9	2226756-04	n-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-9	2226756-04	sec-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-9	2226756-04	tert-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-9	2226756-04	1,4-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-9	2226756-04	Chlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-9	2226756-04	1,3-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-9	2226756-04	Chloroform	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-9	2226756-04	Chloromethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-9	2226756-04	2-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-9	2226756-04	4-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-9	2226756-04	Dibromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-9	2226756-04	1,2-Dibromo-3-chloropropane	11/9/2022	1	Y	n	u		1.0	0.89	ug/L
MW-9	2226756-04	1,2-Dibromoethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-9	2226756-04	Dibromomethane	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-9	2226756-04	Bromobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-9	2226756-04	Carbon tetrachloride	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-9	2226756-04	p- & m-Xylenes	11/9/2022	0.5	Y	n	u		0.50	0.34	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-9	2226756-04	Ethyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-9	2226756-04	Hexachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-9	2226756-04	2-Hexanone	11/9/2022	10	Y	n	u		10	5.0	ug/L
MW-9	2226756-04	Methacrylonitrile	11/9/2022	10	Y	n	u		10	2.3	ug/L
MW-9	2226756-04	Methyl ethyl ketone	11/9/2022	5	Y	n	u		5.0	3.3	ug/L
MW-9	2226756-04	Methyl iodide	11/9/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-9	2226756-04	Methyl isobutyl ketone	11/9/2022	5	Y	n	u		5.0	2.4	ug/L
MW-9	2226756-04	Methyl methacrylate	11/9/2022	5	Y	n	u		5.0	1.2	ug/L
MW-9	2226756-04	Pentachloroethane	11/9/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-9	2226756-04	Ethyl methacrylate	11/9/2022	4	Y	n	u		4.0	1.3	ug/L
MW-9	2226756-04	Tetrahydrofuran	11/9/2022	20	Y	n	u		20	5.2	ug/L
MW-9	2226756-04	2-Nitropropane	11/9/2022	0	Y	y	v				ug/L
MW-9	2226756-04	o-Xylene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-9	2226756-04	1,2-Dichloroethane-d4 (Surrogate)	11/9/2022	9.4	Y	y	v s				ug/L
MW-9	2226756-04	Toluene-d8 (Surrogate)	11/9/2022	9.9	Y	y	v s				ug/L
MW-9	2226756-04	4-Bromofluorobenzene (Surrogate)	11/9/2022	9.1	Y	y	v s				ug/L
MW-9	2226756-04	Nitrobenzene	11/9/2022	0	Y	y	v				ug/L
MW-9	2226756-04	Methyl acrylate	11/9/2022	0	Y	y	v				ug/L
MW-9	2226756-04	Chloroacetonitrile	11/9/2022	0	Y	y	v				ug/L
MW-9	2226756-04	1-Chlorobutane	11/9/2022	0	Y	y	v				ug/L
MW-9	2226756-04	1,1,1,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-9	2226756-04	Propionitrile	11/9/2022	20	Y	n	u		20	6.2	ug/L
MW-9	2226756-04	1,1,2-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-9	2226756-04	1,1,2,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-9	2226756-04	Toluene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
MW-9	2226756-04	1,2,3-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-9	2226756-04	1,2,4-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-9	2226756-04	Diethyl ether	11/9/2022	2	Y	n	u		2.0	0.33	ug/L
MW-9	2226756-04	1,1,1-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-9	2226756-04	Tetrachloroethene	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-9	2226756-04	Trichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-9	2226756-04	Trichlorofluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-9	2226756-04	1,2,3-Trichloropropane	11/9/2022	1	Y	n	u		1.0	0.78	ug/L
MW-9	2226756-04	Carbon disulfide	11/9/2022	0.5	Y	n	u		0.50	0.48	ug/L
MW-9	2226756-04	1,2,4-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-9	2226756-04	1,3,5-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-9	2226756-04	Vinyl chloride	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-9	2226756-04	Acetone	11/9/2022	10	Y	n	u		10	6.6	ug/L
MW-9	2226756-04	Acrylonitrile	11/9/2022	5	Y	n	u		5.0	1.5	ug/L
MW-9	2226756-04	Allyl chloride	11/9/2022	5	Y	n	u		5.0	0.47	ug/L
MW-9	2226756-04	t-Amyl Methyl ether	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-9	2226756-04	t-Butyl alcohol	11/9/2022	2	Y	n	u		2.0	2.0	ug/L
MW-9	2226756-04	1,1,2-Trichloro-1,2,2-trifluoroethane	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-9	2226756-04	trans-1,4-Dichloro-2-butene	11/9/2022	5	Y	n	u		5.0	1.8	ug/L
TB-9-110322	2226756-01	1,1-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-9-110322	2226756-01	2,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-9-110322	2226756-01	1,3-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-9-110322	2226756-01	1,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-9-110322	2226756-01	trans-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-9-110322	2226756-01	cis-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L

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TB-9-110322	2226756-01	1,1-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-9-110322	2226756-01	Dichlorodifluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-9-110322	2226756-01	1,1-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-9-110322	2226756-01	1,2-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-9-110322	2226756-01	cis-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-9-110322	2226756-01	trans-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-9-110322	2226756-01	Ethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-9-110322	2226756-01	Hexachlorobutadiene	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
TB-9-110322	2226756-01	Isopropylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-9-110322	2226756-01	p-Isopropyltoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-9-110322	2226756-01	Methylene chloride	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-9-110322	2226756-01	Methyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-9-110322	2226756-01	n-Propylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
TB-9-110322	2226756-01	Chloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-9-110322	2226756-01	Styrene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
TB-9-110322	2226756-01	Naphthalene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
TB-9-110322	2226756-01	Chloroform	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-9-110322	2226756-01	Bromobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-9-110322	2226756-01	Ethyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.32	ug/L
TB-9-110322	2226756-01	1,1,1,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-9-110322	2226756-01	Bromodichloromethane	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
TB-9-110322	2226756-01	Bromoform	11/9/2022	0.5	Y	n	u		0.50	0.46	ug/L
TB-9-110322	2226756-01	Bromomethane	11/9/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
TB-9-110322	2226756-01	n-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-9-110322	2226756-01	sec-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L

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TB-9-110322	2226756-01	tert-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-9-110322	2226756-01	Chloromethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-9-110322	2226756-01	Chlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-9-110322	2226756-01	1,4-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-9-110322	2226756-01	Bromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-9-110322	2226756-01	2-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-9-110322	2226756-01	4-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.093	ug/L
TB-9-110322	2226756-01	Dibromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
TB-9-110322	2226756-01	1,2-Dibromo-3-chloropropane	11/9/2022	1	Y	n	u		1.0	0.89	ug/L
TB-9-110322	2226756-01	1,2-Dibromoethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
TB-9-110322	2226756-01	Dibromomethane	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
TB-9-110322	2226756-01	1,2-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-9-110322	2226756-01	1,3-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
TB-9-110322	2226756-01	Carbon tetrachloride	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-9-110322	2226756-01	o-Xylene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-9-110322	2226756-01	2-Hexanone	11/9/2022	10	Y	n	u		10	5.0	ug/L
TB-9-110322	2226756-01	Methacrylonitrile	11/9/2022	10	Y	n	u		10	2.3	ug/L
TB-9-110322	2226756-01	Methyl ethyl ketone	11/9/2022	5	Y	n	u		5.0	3.3	ug/L
TB-9-110322	2226756-01	Methyl iodide	11/9/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
TB-9-110322	2226756-01	Methyl isobutyl ketone	11/9/2022	5	Y	n	u		5.0	2.4	ug/L
TB-9-110322	2226756-01	Methyl methacrylate	11/9/2022	5	Y	n	u		5.0	1.2	ug/L
TB-9-110322	2226756-01	Pentachloroethane	11/9/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
TB-9-110322	2226756-01	Propionitrile	11/9/2022	20	Y	n	u		20	6.2	ug/L
TB-9-110322	2226756-01	Diethyl ether	11/9/2022	2	Y	n	u		2.0	0.33	ug/L
TB-9-110322	2226756-01	p- & m-Xylenes	11/9/2022	0.5	Y	n	u		0.50	0.34	ug/L

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Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-9-110322	2226756-01	Chloroacetonitrile	11/9/2022	0	Y	y	v				ug/L
TB-9-110322	2226756-01	1,2-Dichloroethane-d4 (Surrogate)	11/9/2022	9.2	Y	y	v s				ug/L
TB-9-110322	2226756-01	Toluene-d8 (Surrogate)	11/9/2022	9.7	Y	y	v s				ug/L
TB-9-110322	2226756-01	4-Bromofluorobenzene (Surrogate)	11/9/2022	9.3	Y	y	v s				ug/L
TB-9-110322	2226756-01	Methyl acrylate	11/9/2022	0	Y	y	v				ug/L
TB-9-110322	2226756-01	1,1-Dichloropropanone	11/9/2022	0	Y	y	v				ug/L
TB-9-110322	2226756-01	Nitrobenzene	11/9/2022	0	Y	y	v				ug/L
TB-9-110322	2226756-01	1-Chlorobutane	11/9/2022	0	Y	y	v				ug/L
TB-9-110322	2226756-01	2-Nitropropane	11/9/2022	0	Y	y	v				ug/L
TB-9-110322	2226756-01	Benzene	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-9-110322	2226756-01	Tetrahydrofuran	11/9/2022	20	Y	n	u		20	5.2	ug/L
TB-9-110322	2226756-01	1,3,5-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-9-110322	2226756-01	Tetrachloroethene	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
TB-9-110322	2226756-01	Toluene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-9-110322	2226756-01	1,2,3-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-9-110322	2226756-01	1,2,4-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-9-110322	2226756-01	1,1,1-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-9-110322	2226756-01	1,1,2-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-9-110322	2226756-01	Trichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-9-110322	2226756-01	Trichlorofluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-9-110322	2226756-01	1,2,3-Trichloropropane	11/9/2022	1	Y	n	u		1.0	0.78	ug/L
TB-9-110322	2226756-01	Hexachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-9-110322	2226756-01	1,2,4-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-9-110322	2226756-01	Ethyl methacrylate	11/9/2022	4	Y	n	u		4.0	1.3	ug/L
TB-9-110322	2226756-01	Vinyl chloride	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
TB-9-110322	2226756-01	Acetone	11/9/2022	10	Y	n	u		10	6.6	ug/L
TB-9-110322	2226756-01	Acrylonitrile	11/9/2022	5	Y	n	u		5.0	1.5	ug/L
TB-9-110322	2226756-01	Allyl chloride	11/9/2022	5	Y	n	u		5.0	0.47	ug/L
TB-9-110322	2226756-01	t-Amyl Methyl ether	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-9-110322	2226756-01	t-Butyl alcohol	11/9/2022	2	Y	n	u		2.0	2.0	ug/L
TB-9-110322	2226756-01	Carbon disulfide	11/9/2022	0.5	Y	n	u		0.50	0.48	ug/L
TB-9-110322	2226756-01	trans-1,4-Dichloro-2-butene	11/9/2022	5	Y	n	u		5.0	1.8	ug/L
TB-9-110322	2226756-01	1,1,2,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-9-110322	2226756-01	1,1,2-Trichloro-1,2,2-trifluoroethane	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L

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Analytical Method EPA-200.8

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
FB-8-110222	2226757-06	Total Recoverable Chromium	11/15/2022	3	Y	n	u		3.0	0.50	ug/L
MW-18-2	2226757-05	Total Recoverable Chromium	11/15/2022	3	Y	n	u		3.0	0.50	ug/L
MW-18-2	B153832-DUP	Total Recoverable Chromium	11/15/2022	3	Y	n	u		3.0	0.50	ug/L
MW-18-3	2226757-04	Total Recoverable Chromium	11/15/2022	1.8	Y	y	v j		3.0	0.50	ug/L
MW-18-4	2226757-03	Total Recoverable Chromium	11/15/2022	3.1	Y	y	v		3.0	0.50	ug/L
MW-18-5	2226757-02	Total Recoverable Chromium	11/15/2022	3	Y	n	u		3.0	0.50	ug/L

Analytical Method EPA-218.6

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
FB-8-110222	2226757-06	Hexavalent Chromium	11/15/2022	######	Y	y	v	J	0.0002	0.0000	mg/L
MW-18-2	2226757-05	Hexavalent Chromium	11/15/2022	######	Y	y	v j	UJ	0.0002	0.0000	mg/L
MW-18-2	B153958-DUP	Hexavalent Chromium	11/15/2022	######	Y	y	v j		0.0002	0.0000	mg/L
MW-18-3	2226757-04	Hexavalent Chromium	11/15/2022	0.0016	Y	y	v		0.0002	0.0000	mg/L
MW-18-4	2226757-03	Hexavalent Chromium	11/15/2022	0.0024	Y	y	v	J	0.0002	0.0000	mg/L
MW-18-5	2226757-02	Hexavalent Chromium	11/15/2022	######	Y	y	v j	U	0.0002	0.0000	mg/L

Analytical Method EPA-314.0

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
FB-8-110222	2226757-06	Perchlorate	12/9/2022	2	Y	n	u	UJ	2.0	0.81	ug/L
MW-18-2	2226757-05	Perchlorate	12/9/2022	2	Y	n	u	UJ	2.0	0.81	ug/L
MW-18-2	B155709-DUP	Perchlorate	12/9/2022	2	Y	n	u		2.0	0.81	ug/L
MW-18-3	2226757-04	Perchlorate	12/9/2022	2	Y	n	u	UJ	2.0	0.81	ug/L
MW-18-4	2226757-03	Perchlorate	12/9/2022	17	Y	y	v	J	2.0	0.81	ug/L
MW-18-5	2226757-02	Perchlorate	12/10/2022	2	Y	n	u	UJ	2.0	0.81	ug/L

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Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
FB-8-110222	2226757-06	Ethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
FB-8-110222	2226757-06	trans-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
FB-8-110222	2226757-06	1,3-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
FB-8-110222	2226757-06	Dichlorodifluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
FB-8-110222	2226757-06	1,1-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
FB-8-110222	2226757-06	1,2-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
FB-8-110222	2226757-06	1,1-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
FB-8-110222	2226757-06	cis-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
FB-8-110222	2226757-06	Dibromomethane	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
FB-8-110222	2226757-06	1,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
FB-8-110222	2226757-06	1,3-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
FB-8-110222	2226757-06	2,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
FB-8-110222	2226757-06	1,1-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
FB-8-110222	2226757-06	Isopropylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
FB-8-110222	2226757-06	trans-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
FB-8-110222	2226757-06	Hexachlorobutadiene	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
FB-8-110222	2226757-06	1,2-Dibromoethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
FB-8-110222	2226757-06	tert-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
FB-8-110222	2226757-06	cis-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
FB-8-110222	2226757-06	Carbon tetrachloride	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
FB-8-110222	2226757-06	Benzene	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
FB-8-110222	2226757-06	Bromobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
FB-8-110222	2226757-06	Bromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
FB-8-110222	2226757-06	Bromodichloromethane	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
FB-8-110222	2226757-06	Bromoform	11/9/2022	0.5	Y	n	u		0.50	0.46	ug/L

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Analytical Method EPA-524.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
FB-8-110222	2226757-06	Bromomethane	11/9/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
FB-8-110222	2226757-06	n-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
FB-8-110222	2226757-06	Chlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
FB-8-110222	2226757-06	1,4-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
FB-8-110222	2226757-06	1,2-Dibromo-3-chloropropane	11/9/2022	1	Y	n	u		1.0	0.89	ug/L
FB-8-110222	2226757-06	p-Isopropyltoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
FB-8-110222	2226757-06	Chloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
FB-8-110222	2226757-06	Chloroform	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
FB-8-110222	2226757-06	Chloromethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
FB-8-110222	2226757-06	2-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
FB-8-110222	2226757-06	4-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.093	ug/L
FB-8-110222	2226757-06	Dibromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
FB-8-110222	2226757-06	sec-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
FB-8-110222	2226757-06	Tetrahydrofuran	11/9/2022	20	Y	n	u		20	5.2	ug/L
FB-8-110222	2226757-06	trans-1,4-Dichloro-2-butene	11/9/2022	5	Y	n	u		5.0	1.8	ug/L
FB-8-110222	2226757-06	Diethyl ether	11/9/2022	2	Y	n	u		2.0	0.33	ug/L
FB-8-110222	2226757-06	Ethyl methacrylate	11/9/2022	4	Y	n	u		4.0	1.3	ug/L
FB-8-110222	2226757-06	Ethyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.32	ug/L
FB-8-110222	2226757-06	Hexachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
FB-8-110222	2226757-06	2-Hexanone	11/9/2022	10	Y	n	u		10	5.0	ug/L
FB-8-110222	2226757-06	Methacrylonitrile	11/9/2022	10	Y	n	u		10	2.3	ug/L
FB-8-110222	2226757-06	Methyl ethyl ketone	11/9/2022	5	Y	n	u		5.0	3.3	ug/L
FB-8-110222	2226757-06	Methyl iodide	11/9/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
FB-8-110222	2226757-06	Methyl isobutyl ketone	11/9/2022	5	Y	n	u		5.0	2.4	ug/L
FB-8-110222	2226757-06	Methyl methacrylate	11/9/2022	5	Y	n	u		5.0	1.2	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
FB-8-110222	2226757-06	Carbon disulfide	11/9/2022	0.5	Y	n	u		0.50	0.48	ug/L
FB-8-110222	2226757-06	Propionitrile	11/9/2022	20	Y	n	u		20	6.2	ug/L
FB-8-110222	2226757-06	Toluene-d8 (Surrogate)	11/9/2022	9.7	Y	y	v s				ug/L
FB-8-110222	2226757-06	p- & m-Xylenes	11/9/2022	0.5	Y	n	u		0.50	0.34	ug/L
FB-8-110222	2226757-06	o-Xylene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
FB-8-110222	2226757-06	1,2-Dichloroethane-d4 (Surrogate)	11/9/2022	9.3	Y	y	v s				ug/L
FB-8-110222	2226757-06	Methylene chloride	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
FB-8-110222	2226757-06	4-Bromofluorobenzene (Surrogate)	11/9/2022	9.4	Y	y	v s				ug/L
FB-8-110222	2226757-06	1,2-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
FB-8-110222	2226757-06	Nitrobenzene	11/9/2022	0	Y	y	v				ug/L
FB-8-110222	2226757-06	Methyl acrylate	11/9/2022	0	Y	y	v				ug/L
FB-8-110222	2226757-06	Chloroacetonitrile	11/9/2022	0	Y	y	v				ug/L
FB-8-110222	2226757-06	1-Chlorobutane	11/9/2022	0	Y	y	v				ug/L
FB-8-110222	2226757-06	1,1-Dichloropropanone	11/9/2022	0	Y	y	v				ug/L
FB-8-110222	2226757-06	Pentachloroethane	11/9/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
FB-8-110222	2226757-06	1,1,1,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
FB-8-110222	2226757-06	2-Nitropropane	11/9/2022	0	Y	y	v				ug/L
FB-8-110222	2226757-06	t-Butyl alcohol	11/9/2022	2	Y	n	u		2.0	2.0	ug/L
FB-8-110222	2226757-06	Methyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
FB-8-110222	2226757-06	Naphthalene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
FB-8-110222	2226757-06	Styrene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
FB-8-110222	2226757-06	1,1,2,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
FB-8-110222	2226757-06	Tetrachloroethene	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
FB-8-110222	2226757-06	Toluene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
FB-8-110222	2226757-06	1,2,3-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	RL	MDL	Units
FB-8-110222	2226757-06	1,2,4-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
FB-8-110222	2226757-06	1,1,1-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
FB-8-110222	2226757-06	1,1,2-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
FB-8-110222	2226757-06	Acetone	11/9/2022	10	Y	n	u		10	6.6	ug/L
FB-8-110222	2226757-06	Allyl chloride	11/9/2022	5	Y	n	u		5.0	0.47	ug/L
FB-8-110222	2226757-06	n-Propylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
FB-8-110222	2226757-06	Trichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
FB-8-110222	2226757-06	t-Amyl Methyl ether	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
FB-8-110222	2226757-06	Acrylonitrile	11/9/2022	5	Y	n	u		5.0	1.5	ug/L
FB-8-110222	2226757-06	Vinyl chloride	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
FB-8-110222	2226757-06	1,3,5-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
FB-8-110222	2226757-06	1,2,4-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
FB-8-110222	2226757-06	1,1,2-Trichloro-1,2,2-trifluoroethane	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
FB-8-110222	2226757-06	1,2,3-Trichloropropane	11/9/2022	1	Y	n	u		1.0	0.78	ug/L
FB-8-110222	2226757-06	Trichlorofluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-2	2226757-05	Dichlorodifluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-2	2226757-05	1,4-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-2	2226757-05	trans-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-2	2226757-05	1,3-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-18-2	2226757-05	1,2-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-2	2226757-05	1,1-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-18-2	2226757-05	cis-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-18-2	2226757-05	trans-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-2	2226757-05	1,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-2	2226757-05	1,1-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L

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MW-18-2	2226757-05	1,3-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-2	2226757-05	2,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-18-2	2226757-05	cis-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-2	2226757-05	Ethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-2	2226757-05	Hexachlorobutadiene	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-18-2	2226757-05	1,2-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-2	2226757-05	n-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-2	2226757-05	p-Isopropyltoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-2	2226757-05	Isopropylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-2	2226757-05	1,1-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-2	2226757-05	Chlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-2	2226757-05	Methylene chloride	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-2	2226757-05	2-Hexanone	11/9/2022	10	Y	n	u		10	5.0	ug/L
MW-18-2	2226757-05	Benzene	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-18-2	2226757-05	Bromobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-2	2226757-05	Bromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-18-2	2226757-05	Bromodichloromethane	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-18-2	2226757-05	Bromoform	11/9/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-18-2	2226757-05	Bromomethane	11/9/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-18-2	2226757-05	tert-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-18-2	2226757-05	Carbon tetrachloride	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-2	2226757-05	Dibromomethane	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-18-2	2226757-05	Chloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-2	2226757-05	Chloroform	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-2	2226757-05	Chloromethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L

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MW-18-2	2226757-05	2-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-2	2226757-05	4-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-18-2	2226757-05	Dibromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-18-2	2226757-05	1,2-Dibromo-3-chloropropane	11/9/2022	1	Y	n	u		1.0	0.89	ug/L
MW-18-2	2226757-05	1,2-Dibromoethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-18-2	2226757-05	sec-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-2	2226757-05	p- & m-Xylenes	11/9/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-18-2	2226757-05	Diethyl ether	11/9/2022	2	Y	n	u		2.0	0.33	ug/L
MW-18-2	2226757-05	Ethyl methacrylate	11/9/2022	4	Y	n	u		4.0	1.3	ug/L
MW-18-2	2226757-05	Hexachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-18-2	2226757-05	Methacrylonitrile	11/9/2022	10	Y	n	u		10	2.3	ug/L
MW-18-2	2226757-05	Methyl ethyl ketone	11/9/2022	5	Y	n	u		5.0	3.3	ug/L
MW-18-2	2226757-05	Methyl iodide	11/9/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-18-2	2226757-05	Methyl isobutyl ketone	11/9/2022	5	Y	n	u		5.0	2.4	ug/L
MW-18-2	2226757-05	Methyl methacrylate	11/9/2022	5	Y	n	u		5.0	1.2	ug/L
MW-18-2	2226757-05	Pentachloroethane	11/9/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-18-2	2226757-05	trans-1,4-Dichloro-2-butene	11/9/2022	5	Y	n	u		5.0	1.8	ug/L
MW-18-2	2226757-05	Tetrahydrofuran	11/9/2022	20	Y	n	u		20	5.2	ug/L
MW-18-2	2226757-05	1-Chlorobutane	11/9/2022	0	Y	y	v				ug/L
MW-18-2	2226757-05	o-Xylene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-2	2226757-05	1,2-Dichloroethane-d4 (Surrogate)	11/9/2022	9.2	Y	y	v s				ug/L
MW-18-2	2226757-05	Toluene-d8 (Surrogate)	11/9/2022	9.7	Y	y	v s				ug/L
MW-18-2	2226757-05	4-Bromofluorobenzene (Surrogate)	11/9/2022	9.6	Y	y	v s				ug/L
MW-18-2	2226757-05	Methyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-2	2226757-05	1,1-Dichloropropanone	11/9/2022	0	Y	y	v				ug/L

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MW-18-2	2226757-05	Ethyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-18-2	2226757-05	Chloroacetonitrile	11/9/2022	0	Y	y	v				ug/L
MW-18-2	2226757-05	Nitrobenzene	11/9/2022	0	Y	y	v				ug/L
MW-18-2	2226757-05	Methyl acrylate	11/9/2022	0	Y	y	v				ug/L
MW-18-2	2226757-05	Propionitrile	11/9/2022	20	Y	n	u		20	6.2	ug/L
MW-18-2	2226757-05	1,1,2,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-2	2226757-05	2-Nitropropane	11/9/2022	0	Y	y	v				ug/L
MW-18-2	2226757-05	Carbon disulfide	11/9/2022	0.5	Y	n	u		0.50	0.48	ug/L
MW-18-2	2226757-05	Naphthalene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-18-2	2226757-05	n-Propylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-18-2	2226757-05	1,1,1,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-2	2226757-05	Tetrachloroethene	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-18-2	2226757-05	Toluene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-2	2226757-05	1,2,3-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-2	2226757-05	1,2,4-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-2	2226757-05	1,1,1-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-2	2226757-05	1,1,2-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-2	2226757-05	Trichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-2	2226757-05	t-Amyl Methyl ether	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-2	2226757-05	Allyl chloride	11/9/2022	5	Y	n	u		5.0	0.47	ug/L
MW-18-2	2226757-05	t-Butyl alcohol	11/9/2022	2	Y	n	u		2.0	2.0	ug/L
MW-18-2	2226757-05	Styrene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-18-2	2226757-05	Trichlorofluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-2	2226757-05	Acrylonitrile	11/9/2022	5	Y	n	u		5.0	1.5	ug/L
MW-18-2	2226757-05	Acetone	11/9/2022	10	Y	n	u		10	6.6	ug/L

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MW-18-2	2226757-05	Vinyl chloride	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-18-2	2226757-05	1,3,5-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-2	2226757-05	1,2,4-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-2	2226757-05	1,1,2-Trichloro-1,2,2-trifluoroethane	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-2	2226757-05	1,2,3-Trichloropropane	11/9/2022	1	Y	n	u		1.0	0.78	ug/L
MW-18-3	2226757-04	1,2-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-3	2226757-04	1,3-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-3	2226757-04	1,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-3	2226757-04	2,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-18-3	2226757-04	trans-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-3	2226757-04	1,1-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-18-3	2226757-04	Hexachlorobutadiene	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-18-3	2226757-04	1,1-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-3	2226757-04	Dichlorodifluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-3	2226757-04	cis-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-18-3	2226757-04	1,1-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-3	2226757-04	cis-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-3	2226757-04	Ethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-3	2226757-04	Isopropylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-3	2226757-04	p-Isopropyltoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-3	2226757-04	Methyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-3	2226757-04	1,4-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-3	2226757-04	tert-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-18-3	2226757-04	Methylene chloride	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-3	2226757-04	trans-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L

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MW-18-3	2226757-04	Chloroform	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-3	2226757-04	Naphthalene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-18-3	2226757-04	Bromodichloromethane	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-18-3	2226757-04	Benzene	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-18-3	2226757-04	Bromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-18-3	2226757-04	Bromoform	11/9/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-18-3	2226757-04	Bromomethane	11/9/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-18-3	2226757-04	n-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-3	2226757-04	sec-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-3	2226757-04	Chlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-3	2226757-04	Chloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-3	2226757-04	1,3-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-18-3	2226757-04	Chloromethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-18-3	2226757-04	2-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-3	2226757-04	4-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-18-3	2226757-04	Dibromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-18-3	2226757-04	1,2-Dibromo-3-chloropropane	11/9/2022	1	Y	n	u		1.0	0.89	ug/L
MW-18-3	2226757-04	1,2-Dibromoethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-18-3	2226757-04	Dibromomethane	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-18-3	2226757-04	1,2-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-3	2226757-04	Carbon tetrachloride	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-3	2226757-04	p- & m-Xylenes	11/9/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-18-3	2226757-04	Ethyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-18-3	2226757-04	Hexachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-18-3	2226757-04	2-Hexanone	11/9/2022	10	Y	n	u		10	5.0	ug/L

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MW-18-3	2226757-04	Methacrylonitrile	11/9/2022	10	Y	n	u		10	2.3	ug/L
MW-18-3	2226757-04	Methyl ethyl ketone	11/9/2022	5	Y	n	u		5.0	3.3	ug/L
MW-18-3	2226757-04	Methyl iodide	11/9/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-18-3	2226757-04	Methyl isobutyl ketone	11/9/2022	5	Y	n	u		5.0	2.4	ug/L
MW-18-3	2226757-04	Methyl methacrylate	11/9/2022	5	Y	n	u		5.0	1.2	ug/L
MW-18-3	2226757-04	Pentachloroethane	11/9/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-18-3	2226757-04	Ethyl methacrylate	11/9/2022	4	Y	n	u		4.0	1.3	ug/L
MW-18-3	2226757-04	Tetrahydrofuran	11/9/2022	20	Y	n	u		20	5.2	ug/L
MW-18-3	2226757-04	1-Chlorobutane	11/9/2022	0	Y	y	v				ug/L
MW-18-3	2226757-04	o-Xylene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-3	2226757-04	1,2-Dichloroethane-d4 (Surrogate)	11/9/2022	9.5	Y	y	v s				ug/L
MW-18-3	2226757-04	Toluene-d8 (Surrogate)	11/9/2022	9.8	Y	y	v s				ug/L
MW-18-3	2226757-04	Bromobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-3	2226757-04	4-Bromofluorobenzene (Surrogate)	11/9/2022	9.4	Y	y	v s				ug/L
MW-18-3	2226757-04	Methyl acrylate	11/9/2022	0	Y	y	v				ug/L
MW-18-3	2226757-04	1,1-Dichloropropanone	11/9/2022	0	Y	y	v				ug/L
MW-18-3	2226757-04	n-Propylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-18-3	2226757-04	Nitrobenzene	11/9/2022	0	Y	y	v				ug/L
MW-18-3	2226757-04	Chloroacetonitrile	11/9/2022	0	Y	y	v				ug/L
MW-18-3	2226757-04	Propionitrile	11/9/2022	20	Y	n	u		20	6.2	ug/L
MW-18-3	2226757-04	1,1,2,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-3	2226757-04	2-Nitropropane	11/9/2022	0	Y	y	v				ug/L
MW-18-3	2226757-04	Diethyl ether	11/9/2022	2	Y	n	u		2.0	0.33	ug/L
MW-18-3	2226757-04	Styrene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-18-3	2226757-04	1,1,1,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L

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MW-18-3	2226757-04	Tetrachloroethene	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-18-3	2226757-04	Toluene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-3	2226757-04	1,2,3-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-3	2226757-04	1,2,4-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-3	2226757-04	1,1,1-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-3	2226757-04	1,1,2-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-3	2226757-04	Trichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-3	2226757-04	Trichlorofluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-3	2226757-04	t-Amyl Methyl ether	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-3	2226757-04	Carbon disulfide	11/9/2022	0.5	Y	n	u		0.50	0.48	ug/L
MW-18-3	2226757-04	1,2,3-Trichloropropane	11/9/2022	1	Y	n	u		1.0	0.78	ug/L
MW-18-3	2226757-04	trans-1,4-Dichloro-2-butene	11/9/2022	5	Y	n	u		5.0	1.8	ug/L
MW-18-3	2226757-04	t-Butyl alcohol	11/9/2022	2	Y	n	u		2.0	2.0	ug/L
MW-18-3	2226757-04	Allyl chloride	11/9/2022	5	Y	n	u		5.0	0.47	ug/L
MW-18-3	2226757-04	1,2,4-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-3	2226757-04	Acetone	11/9/2022	10	Y	n	u		10	6.6	ug/L
MW-18-3	2226757-04	1,1,2-Trichloro-1,2,2-trifluoroethane	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-3	2226757-04	Vinyl chloride	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-18-3	2226757-04	1,3,5-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-3	2226757-04	Acrylonitrile	11/9/2022	5	Y	n	u		5.0	1.5	ug/L
MW-18-4	2226757-03	1,3-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-4	2226757-03	1,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-4	2226757-03	trans-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-4	2226757-03	cis-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-18-4	2226757-03	1,1-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L

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MW-18-4	2226757-03	1,2-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-4	2226757-03	Hexachlorobutadiene	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-18-4	2226757-03	Dichlorodifluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-4	2226757-03	1,4-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-4	2226757-03	1,1-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-18-4	2226757-03	2,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-18-4	2226757-03	1,1-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-4	2226757-03	cis-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-4	2226757-03	Methylene chloride	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-4	2226757-03	Ethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-4	2226757-03	Isopropylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-4	2226757-03	p-Isopropyltoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-4	2226757-03	1,3-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-18-4	2226757-03	sec-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-4	2226757-03	Methyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-4	2226757-03	trans-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-4	2226757-03	Chlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-4	2226757-03	1,1,1,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-4	2226757-03	Naphthalene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-18-4	2226757-03	Benzene	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-18-4	2226757-03	Bromobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-4	2226757-03	Bromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-18-4	2226757-03	Bromodichloromethane	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-18-4	2226757-03	Bromoform	11/9/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-18-4	2226757-03	Bromomethane	11/9/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L

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MW-18-4	2226757-03	Carbon tetrachloride	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-4	2226757-03	tert-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-18-4	2226757-03	1,2-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-4	2226757-03	Chloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-4	2226757-03	Chloroform	11/9/2022	0.79	Y	y	v		0.50	0.14	ug/L
MW-18-4	2226757-03	Chloromethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-18-4	2226757-03	2-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-4	2226757-03	4-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-18-4	2226757-03	Dibromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-18-4	2226757-03	1,2-Dibromo-3-chloropropane	11/9/2022	1	Y	n	u		1.0	0.89	ug/L
MW-18-4	2226757-03	1,2-Dibromoethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-18-4	2226757-03	Dibromomethane	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-18-4	2226757-03	n-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-4	2226757-03	o-Xylene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-4	2226757-03	Ethyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-18-4	2226757-03	Hexachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-18-4	2226757-03	2-Hexanone	11/9/2022	10	Y	n	u		10	5.0	ug/L
MW-18-4	2226757-03	Methacrylonitrile	11/9/2022	10	Y	n	u		10	2.3	ug/L
MW-18-4	2226757-03	Methyl ethyl ketone	11/9/2022	5	Y	n	u		5.0	3.3	ug/L
MW-18-4	2226757-03	Methyl iodide	11/9/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-18-4	2226757-03	Methyl isobutyl ketone	11/9/2022	5	Y	n	u		5.0	2.4	ug/L
MW-18-4	2226757-03	Methyl methacrylate	11/9/2022	5	Y	n	u		5.0	1.2	ug/L
MW-18-4	2226757-03	Pentachloroethane	11/9/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-18-4	2226757-03	Propionitrile	11/9/2022	20	Y	n	u		20	6.2	ug/L
MW-18-4	2226757-03	Ethyl methacrylate	11/9/2022	4	Y	n	u		4.0	1.3	ug/L

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MW-18-4	2226757-03	p- & m-Xylenes	11/9/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-18-4	2226757-03	1,1-Dichloropropanone	11/9/2022	0	Y	y	v				ug/L
MW-18-4	2226757-03	1,2-Dichloroethane-d4 (Surrogate)	11/9/2022	9	Y	y	v s				ug/L
MW-18-4	2226757-03	Toluene-d8 (Surrogate)	11/9/2022	9.7	Y	y	v s				ug/L
MW-18-4	2226757-03	4-Bromofluorobenzene (Surrogate)	11/9/2022	9.1	Y	y	v s				ug/L
MW-18-4	2226757-03	Methyl acrylate	11/9/2022	0	Y	y	v				ug/L
MW-18-4	2226757-03	Nitrobenzene	11/9/2022	0	Y	y	v				ug/L
MW-18-4	2226757-03	Chloroacetonitrile	11/9/2022	0	Y	y	v				ug/L
MW-18-4	2226757-03	Styrene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-18-4	2226757-03	1-Chlorobutane	11/9/2022	0	Y	y	v				ug/L
MW-18-4	2226757-03	n-Propylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-18-4	2226757-03	2-Nitropropane	11/9/2022	0	Y	y	v				ug/L
MW-18-4	2226757-03	Tetrahydrofuran	11/9/2022	20	Y	n	u		20	5.2	ug/L
MW-18-4	2226757-03	1,1,2-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-4	2226757-03	Tetrachloroethene	11/9/2022	0.7	Y	y	v		0.50	0.23	ug/L
MW-18-4	2226757-03	Toluene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-4	2226757-03	1,2,3-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-4	2226757-03	Diethyl ether	11/9/2022	2	Y	n	u		2.0	0.33	ug/L
MW-18-4	2226757-03	1,1,1-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-4	2226757-03	1,1,2,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-4	2226757-03	Trichloroethene	11/9/2022	0.97	Y	y	v		0.50	0.19	ug/L
MW-18-4	2226757-03	Trichlorofluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-4	2226757-03	1,2,3-Trichloropropane	11/9/2022	1	Y	n	u		1.0	0.78	ug/L
MW-18-4	2226757-03	1,1,2-Trichloro-1,2,2-trifluoroethane	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-4	2226757-03	trans-1,4-Dichloro-2-butene	11/9/2022	5	Y	n	u		5.0	1.8	ug/L

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MW-18-4	2226757-03	1,3,5-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-4	2226757-03	Vinyl chloride	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-18-4	2226757-03	Acetone	11/9/2022	10	Y	n	u		10	6.6	ug/L
MW-18-4	2226757-03	Acrylonitrile	11/9/2022	5	Y	n	u		5.0	1.5	ug/L
MW-18-4	2226757-03	Allyl chloride	11/9/2022	5	Y	n	u		5.0	0.47	ug/L
MW-18-4	2226757-03	t-Amyl Methyl ether	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-4	2226757-03	t-Butyl alcohol	11/9/2022	2	Y	n	u		2.0	2.0	ug/L
MW-18-4	2226757-03	Carbon disulfide	11/9/2022	0.5	Y	n	u		0.50	0.48	ug/L
MW-18-4	2226757-03	1,2,4-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-4	2226757-03	1,2,4-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-5	2226757-02	1,1-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-5	2226757-02	2,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-18-5	2226757-02	1,3-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-5	2226757-02	1,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-5	2226757-02	trans-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-5	2226757-02	cis-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-18-5	2226757-02	1,1-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-18-5	2226757-02	1,2-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-5	2226757-02	Dichlorodifluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-5	2226757-02	1,1-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-5	2226757-02	cis-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-5	2226757-02	trans-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-5	2226757-02	Ethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-5	2226757-02	Hexachlorobutadiene	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-18-5	2226757-02	Isopropylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L

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MW-18-5	2226757-02	p-Isopropyltoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-5	2226757-02	Methylene chloride	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-5	2226757-02	Methyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-5	2226757-02	1,4-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-5	2226757-02	n-Propylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-18-5	2226757-02	Chloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-5	2226757-02	Naphthalene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-18-5	2226757-02	Bromobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-5	2226757-02	2-Hexanone	11/9/2022	10	Y	n	u		10	5.0	ug/L
MW-18-5	2226757-02	Bromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
MW-18-5	2226757-02	Bromodichloromethane	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
MW-18-5	2226757-02	Bromoform	11/9/2022	0.5	Y	n	u		0.50	0.46	ug/L
MW-18-5	2226757-02	Bromomethane	11/9/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
MW-18-5	2226757-02	n-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-5	2226757-02	sec-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-5	2226757-02	tert-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-18-5	2226757-02	Carbon tetrachloride	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-5	2226757-02	Chloromethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-18-5	2226757-02	Chloroform	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-5	2226757-02	1,3-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
MW-18-5	2226757-02	2-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-5	2226757-02	4-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.093	ug/L
MW-18-5	2226757-02	Dibromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
MW-18-5	2226757-02	1,2-Dibromo-3-chloropropane	11/9/2022	1	Y	n	u		1.0	0.89	ug/L
MW-18-5	2226757-02	1,2-Dibromoethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L

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MW-18-5	2226757-02	Dibromomethane	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-18-5	2226757-02	Styrene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
MW-18-5	2226757-02	1,2-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-5	2226757-02	Benzene	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-18-5	2226757-02	Chlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-5	2226757-02	1,2-Dichloroethane-d4 (Surrogate)	11/9/2022	9.4	Y	y	v s				ug/L
MW-18-5	2226757-02	Hexachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
MW-18-5	2226757-02	Methacrylonitrile	11/9/2022	10	Y	n	u		10	2.3	ug/L
MW-18-5	2226757-02	Methyl ethyl ketone	11/9/2022	5	Y	n	u		5.0	3.3	ug/L
MW-18-5	2226757-02	Methyl iodide	11/9/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
MW-18-5	2226757-02	Methyl isobutyl ketone	11/9/2022	5	Y	n	u		5.0	2.4	ug/L
MW-18-5	2226757-02	Methyl methacrylate	11/9/2022	5	Y	n	u		5.0	1.2	ug/L
MW-18-5	2226757-02	Pentachloroethane	11/9/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
MW-18-5	2226757-02	Propionitrile	11/9/2022	20	Y	n	u		20	6.2	ug/L
MW-18-5	2226757-02	Ethyl methacrylate	11/9/2022	4	Y	n	u		4.0	1.3	ug/L
MW-18-5	2226757-02	1,1,1,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-5	2226757-02	Tetrahydrofuran	11/9/2022	20	Y	n	u		20	5.2	ug/L
MW-18-5	2226757-02	Toluene-d8 (Surrogate)	11/9/2022	9.8	Y	y	v s				ug/L
MW-18-5	2226757-02	4-Bromofluorobenzene (Surrogate)	11/9/2022	9.2	Y	y	v s				ug/L
MW-18-5	2226757-02	1,1-Dichloropropanone	11/9/2022	0	Y	y	v				ug/L
MW-18-5	2226757-02	1-Chlorobutane	11/9/2022	0	Y	y	v				ug/L
MW-18-5	2226757-02	2-Nitropropane	11/9/2022	0	Y	y	v				ug/L
MW-18-5	2226757-02	Chloroacetonitrile	11/9/2022	0	Y	y	v				ug/L
MW-18-5	2226757-02	Nitrobenzene	11/9/2022	0	Y	y	v				ug/L
MW-18-5	2226757-02	Methyl acrylate	11/9/2022	0	Y	y	v				ug/L

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MW-18-5	2226757-02	Ethyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.32	ug/L
MW-18-5	2226757-02	p- & m-Xylenes	11/9/2022	0.5	Y	n	u		0.50	0.34	ug/L
MW-18-5	2226757-02	Trichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-5	2226757-02	o-Xylene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
MW-18-5	2226757-02	1,1,2,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-5	2226757-02	Diethyl ether	11/9/2022	2	Y	n	u		2.0	0.33	ug/L
MW-18-5	2226757-02	Toluene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-5	2226757-02	1,2,3-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-5	2226757-02	1,2,4-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
MW-18-5	2226757-02	1,1,2-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-5	2226757-02	Tetrachloroethene	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
MW-18-5	2226757-02	Trichlorofluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-5	2226757-02	1,2,3-Trichloropropane	11/9/2022	1	Y	n	u		1.0	0.78	ug/L
MW-18-5	2226757-02	1,1,2-Trichloro-1,2,2-trifluoroethane	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-5	2226757-02	t-Butyl alcohol	11/9/2022	2	Y	n	u		2.0	2.0	ug/L
MW-18-5	2226757-02	1,1,1-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
MW-18-5	2226757-02	Carbon disulfide	11/9/2022	0.5	Y	n	u		0.50	0.48	ug/L
MW-18-5	2226757-02	1,2,4-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
MW-18-5	2226757-02	t-Amyl Methyl ether	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
MW-18-5	2226757-02	Allyl chloride	11/9/2022	5	Y	n	u		5.0	0.47	ug/L
MW-18-5	2226757-02	Acrylonitrile	11/9/2022	5	Y	n	u		5.0	1.5	ug/L
MW-18-5	2226757-02	Acetone	11/9/2022	10	Y	n	u		10	6.6	ug/L
MW-18-5	2226757-02	Vinyl chloride	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
MW-18-5	2226757-02	1,3,5-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
MW-18-5	2226757-02	trans-1,4-Dichloro-2-butene	11/9/2022	5	Y	n	u		5.0	1.8	ug/L

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TB-8-110222	2226757-01	1,1-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-8-110222	2226757-01	Dichlorodifluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-8-110222	2226757-01	1,1-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-8-110222	2226757-01	1,2-Dichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-8-110222	2226757-01	1,1-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-8-110222	2226757-01	cis-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L
TB-8-110222	2226757-01	trans-1,2-Dichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-8-110222	2226757-01	1,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-8-110222	2226757-01	1,3-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-8-110222	2226757-01	2,2-Dichloropropane	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-8-110222	2226757-01	cis-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-8-110222	2226757-01	trans-1,3-Dichloropropene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-8-110222	2226757-01	Ethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-8-110222	2226757-01	Hexachlorobutadiene	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
TB-8-110222	2226757-01	Isopropylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-8-110222	2226757-01	p-Isopropyltoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-8-110222	2226757-01	Methylene chloride	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-8-110222	2226757-01	Methyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-8-110222	2226757-01	Naphthalene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
TB-8-110222	2226757-01	Styrene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
TB-8-110222	2226757-01	Bromobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-8-110222	2226757-01	n-Propylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.12	ug/L
TB-8-110222	2226757-01	Chloroform	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-8-110222	2226757-01	Ethyl t-butyl ether	11/9/2022	0.5	Y	n	u		0.50	0.32	ug/L
TB-8-110222	2226757-01	Bromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.27	ug/L

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TB-8-110222	2226757-01	1,1,1,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-8-110222	2226757-01	Bromoform	11/9/2022	0.5	Y	n	u		0.50	0.46	ug/L
TB-8-110222	2226757-01	Bromomethane	11/9/2022	0.5	Y	n	u	UJ	0.50	0.20	ug/L
TB-8-110222	2226757-01	n-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-8-110222	2226757-01	sec-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-8-110222	2226757-01	tert-Butylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-8-110222	2226757-01	Carbon tetrachloride	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-8-110222	2226757-01	Bromodichloromethane	11/9/2022	0.5	Y	n	u		0.50	0.20	ug/L
TB-8-110222	2226757-01	Chloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-8-110222	2226757-01	1,4-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-8-110222	2226757-01	Chloromethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-8-110222	2226757-01	2-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-8-110222	2226757-01	4-Chlorotoluene	11/9/2022	0.5	Y	n	u		0.50	0.093	ug/L
TB-8-110222	2226757-01	Dibromochloromethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
TB-8-110222	2226757-01	1,2-Dibromo-3-chloropropane	11/9/2022	1	Y	n	u		1.0	0.89	ug/L
TB-8-110222	2226757-01	1,2-Dibromoethane	11/9/2022	0.5	Y	n	u		0.50	0.22	ug/L
TB-8-110222	2226757-01	Dibromomethane	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
TB-8-110222	2226757-01	1,2-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-8-110222	2226757-01	1,3-Dichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.16	ug/L
TB-8-110222	2226757-01	Chlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-8-110222	2226757-01	1,2-Dichloroethane-d4 (Surrogate)	11/9/2022	8.9	Y	y	v s				ug/L
TB-8-110222	2226757-01	Methacrylonitrile	11/9/2022	10	Y	n	u		10	2.3	ug/L
TB-8-110222	2226757-01	Methyl ethyl ketone	11/9/2022	5	Y	n	u		5.0	3.3	ug/L
TB-8-110222	2226757-01	Methyl iodide	11/9/2022	2	Y	n	u	UJ	2.0	1.1	ug/L
TB-8-110222	2226757-01	Methyl isobutyl ketone	11/9/2022	5	Y	n	u		5.0	2.4	ug/L

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TB-8-110222	2226757-01	Methyl methacrylate	11/9/2022	5	Y	n	u		5.0	1.2	ug/L
TB-8-110222	2226757-01	Pentachloroethane	11/9/2022	2	Y	n	u	UJ	2.0	0.63	ug/L
TB-8-110222	2226757-01	Propionitrile	11/9/2022	20	Y	n	u		20	6.2	ug/L
TB-8-110222	2226757-01	Tetrahydrofuran	11/9/2022	20	Y	n	u		20	5.2	ug/L
TB-8-110222	2226757-01	Diethyl ether	11/9/2022	2	Y	n	u		2.0	0.33	ug/L
TB-8-110222	2226757-01	o-Xylene	11/9/2022	0.5	Y	n	u		0.50	0.13	ug/L
TB-8-110222	2226757-01	Ethyl methacrylate	11/9/2022	4	Y	n	u		4.0	1.3	ug/L
TB-8-110222	2226757-01	Toluene-d8 (Surrogate)	11/9/2022	9.8	Y	y	v s				ug/L
TB-8-110222	2226757-01	4-Bromofluorobenzene (Surrogate)	11/9/2022	9.6	Y	y	v s				ug/L
TB-8-110222	2226757-01	Nitrobenzene	11/9/2022	0	Y	y	v				ug/L
TB-8-110222	2226757-01	1,1-Dichloropropanone	11/9/2022	0	Y	y	v				ug/L
TB-8-110222	2226757-01	1-Chlorobutane	11/9/2022	0	Y	y	v				ug/L
TB-8-110222	2226757-01	2-Nitropropane	11/9/2022	0	Y	y	v				ug/L
TB-8-110222	2226757-01	Chloroacetonitrile	11/9/2022	0	Y	y	v				ug/L
TB-8-110222	2226757-01	Methyl acrylate	11/9/2022	0	Y	y	v				ug/L
TB-8-110222	2226757-01	Benzene	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-8-110222	2226757-01	p- & m-Xylenes	11/9/2022	0.5	Y	n	u		0.50	0.34	ug/L
TB-8-110222	2226757-01	1,3,5-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-8-110222	2226757-01	Tetrachloroethene	11/9/2022	0.5	Y	n	u		0.50	0.23	ug/L
TB-8-110222	2226757-01	Toluene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-8-110222	2226757-01	1,2,3-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-8-110222	2226757-01	1,2,4-Trichlorobenzene	11/9/2022	0.5	Y	n	u		0.50	0.15	ug/L
TB-8-110222	2226757-01	1,1,1-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-8-110222	2226757-01	1,1,2-Trichloroethane	11/9/2022	0.5	Y	n	u		0.50	0.21	ug/L
TB-8-110222	2226757-01	Trichloroethene	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L

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TB-8-110222	2226757-01	Trichlorofluoromethane	11/9/2022	0.5	Y	n	u		0.50	0.14	ug/L
TB-8-110222	2226757-01	1,2,3-Trichloropropane	11/9/2022	1	Y	n	u		1.0	0.78	ug/L
TB-8-110222	2226757-01	2-Hexanone	11/9/2022	10	Y	n	u		10	5.0	ug/L
TB-8-110222	2226757-01	1,2,4-Trimethylbenzene	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-8-110222	2226757-01	Hexachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.11	ug/L
TB-8-110222	2226757-01	Vinyl chloride	11/9/2022	0.5	Y	n	u		0.50	0.18	ug/L
TB-8-110222	2226757-01	Acetone	11/9/2022	10	Y	n	u		10	6.6	ug/L
TB-8-110222	2226757-01	Acrylonitrile	11/9/2022	5	Y	n	u		5.0	1.5	ug/L
TB-8-110222	2226757-01	Allyl chloride	11/9/2022	5	Y	n	u		5.0	0.47	ug/L
TB-8-110222	2226757-01	t-Amyl Methyl ether	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L
TB-8-110222	2226757-01	t-Butyl alcohol	11/9/2022	2	Y	n	u		2.0	2.0	ug/L
TB-8-110222	2226757-01	Carbon disulfide	11/9/2022	0.5	Y	n	u		0.50	0.48	ug/L
TB-8-110222	2226757-01	trans-1,4-Dichloro-2-butene	11/9/2022	5	Y	n	u		5.0	1.8	ug/L
TB-8-110222	2226757-01	1,1,2,2-Tetrachloroethane	11/9/2022	0.5	Y	n	u		0.50	0.17	ug/L
TB-8-110222	2226757-01	1,1,2-Trichloro-1,2,2-trifluoroethane	11/9/2022	0.5	Y	n	u		0.50	0.19	ug/L