

LAB CHRONICLE

OrderID:	Q1914	OrderDate:	4/29/2025 2:19:16 PM
Client:	CDM Smith	Project:	Con Ed UTEN Mount Vernon, NY
Contact:	Marcie Ann Encinas	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1914-01	SS-1	SOIL	VOCMS Group3	8260D	04/28/25		05/01/25	04/29/25
Q1914-02	SS-91	SOIL	VOCMS Group3	8260D	04/28/25		05/01/25	04/29/25
Q1914-03	SS-2	SOIL	VOCMS Group3	8260D	04/28/25		05/01/25	04/29/25
Q1914-04	SS-3	SOIL	VOCMS Group3	8260D	04/28/25		05/01/25	04/29/25
Q1914-05	SS-4	SOIL	VOCMS Group3	8260D	04/28/25		05/01/25	04/29/25
Q1914-06	SS-5	SOIL	VOCMS Group3	8260D	04/28/25		05/01/25	04/29/25
Q1914-06ME	SS-5ME	SOIL	VOCMS Group3	8260D	04/28/25		05/06/25	04/29/25
Q1914-07	SS-6	SOIL	VOCMS Group3	8260D	04/28/25		05/01/25	04/29/25
Q1914-07ME	SS-6ME	SOIL	VOCMS Group3	8260D	04/28/25		05/06/25	04/29/25
Q1914-07ME DL	SS-6MEDL	SOIL	VOCMS Group3	8260D	04/28/25		05/05/25	04/29/25
Q1914-08	SS-7	SOIL	VOCMS Group3	8260D	04/28/25		05/06/25	04/29/25

LAB CHRONICLE

Q1914-08DL	SS-7DL	SOIL	VOCMS Group3	8260D	04/28/25	05/05/25	04/29/25
Q1914-09	SS-8	SOIL	VOCMS Group3	8260D	04/28/25	05/01/25	04/29/25
Q1914-09ME	SS-8ME	SOIL	VOCMS Group3	8260D	04/28/25	05/06/25	04/29/25
Q1914-09ME DL	SS-8MEDL	SOIL	VOCMS Group3	8260D	04/28/25	05/05/25	04/29/25
Q1914-12	SS-9	SOIL	VOCMS Group3	8260D	04/28/25	05/06/25	04/29/25
Q1914-14	FB04282025	Water	VOCMS Group3	8260-Low	04/28/25	04/30/25	04/29/25

Hit Summary Sheet SW-846

SDG No.: Q1914
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	SS-91							
Q1914-02	SS-91	SOIL	1,3,5-Trimethylbenzene	0.87	J	0.62	3.80	ug/Kg
			Total Voc :	0.87				
			Total Concentration:	0.87				
Client ID:	SS-5							
Q1914-06	SS-5	SOIL	Benzene	21.6		0.57	3.60	ug/Kg
Q1914-06	SS-5	SOIL	Toluene	110	E	0.56	3.60	ug/Kg
Q1914-06	SS-5	SOIL	Ethyl Benzene	350	E	0.48	3.60	ug/Kg
Q1914-06	SS-5	SOIL	Total Xylenes	1980	E	1.48	10.8	ug/Kg
Q1914-06	SS-5	SOIL	Isopropylbenzene	85.4		0.56	3.60	ug/Kg
Q1914-06	SS-5	SOIL	n-propylbenzene	210	E	0.53	3.60	ug/Kg
Q1914-06	SS-5	SOIL	1,3,5-Trimethylbenzene	390	E	0.59	3.60	ug/Kg
Q1914-06	SS-5	SOIL	1,2,4-Trimethylbenzene	970	E	0.46	3.60	ug/Kg
Q1914-06	SS-5	SOIL	sec-Butylbenzene	64.7		0.47	3.60	ug/Kg
Q1914-06	SS-5	SOIL	p-Isopropyltoluene	44.4		0.45	3.60	ug/Kg
Q1914-06	SS-5	SOIL	n-Butylbenzene	85.8		1.00	3.60	ug/Kg
			Total Voc :	4310				
			Total Concentration:	4310				
Client ID:	SS-5ME							
Q1914-06ME	SS-5ME	SOIL	Benzene	88.0	JD	30.0	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	Toluene	230	D	29.6	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	Ethyl Benzene	1100	D	25.4	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	Total Xylenes	4400	D	78.1	570	ug/Kg
Q1914-06ME	SS-5ME	SOIL	Isopropylbenzene	260	D	29.6	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	n-propylbenzene	650	D	27.7	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	1,3,5-Trimethylbenzene	930	D	31.1	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	1,2,4-Trimethylbenzene	3800	D	24.3	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	sec-Butylbenzene	230	D	25.0	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	p-Isopropyltoluene	150	JD	23.5	190	ug/Kg
Q1914-06ME	SS-5ME	SOIL	n-Butylbenzene	370	D	55.0	190	ug/Kg
			Total Voc :	12200				
			Total Concentration:	12200				
Client ID:	SS-6							
Q1914-07	SS-6	SOIL	Benzene	12.3		0.57	3.60	ug/Kg
Q1914-07	SS-6	SOIL	Toluene	21.5		0.56	3.60	ug/Kg
Q1914-07	SS-6	SOIL	Ethyl Benzene	240	E	0.48	3.60	ug/Kg
Q1914-07	SS-6	SOIL	Total Xylenes	1540	E	1.48	10.8	ug/Kg
Q1914-07	SS-6	SOIL	Isopropylbenzene	71.9		0.56	3.60	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q1914

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1914-07	SS-6	SOIL	n-propylbenzene	180	E	0.52	3.60	ug/Kg
Q1914-07	SS-6	SOIL	1,3,5-Trimethylbenzene	440	E	0.59	3.60	ug/Kg
Q1914-07	SS-6	SOIL	1,2,4-Trimethylbenzene	760	E	0.46	3.60	ug/Kg
Q1914-07	SS-6	SOIL	sec-Butylbenzene	72.3		0.47	3.60	ug/Kg
Q1914-07	SS-6	SOIL	p-Isopropyltoluene	51.0		0.44	3.60	ug/Kg
Q1914-07	SS-6	SOIL	n-Butylbenzene	100		1.00	3.60	ug/Kg
Total Voc :				3490				
Total Concentration:				3490				
Client ID:	SS-6ME							
Q1914-07ME	SS-6ME	SOIL	Benzene	170	JD	31.1	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	Toluene	1600	D	30.7	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	Ethyl Benzene	5300	ED	26.3	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	Total Xylenes	31900	ED	80.9	590	ug/Kg
Q1914-07ME	SS-6ME	SOIL	Isopropylbenzene	1700	D	30.7	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	n-propylbenzene	4900	ED	28.7	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	1,3,5-Trimethylbenzene	8000	ED	32.2	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	1,2,4-Trimethylbenzene	29500	ED	25.2	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	sec-Butylbenzene	2000	D	25.9	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	p-Isopropyltoluene	1400	D	24.4	200	ug/Kg
Q1914-07ME	SS-6ME	SOIL	n-Butylbenzene	3500	D	57.0	200	ug/Kg
Total Voc :				90000				
Total Concentration:				90000				
Client ID:	SS-6MEDL							
Q1914-07MEDL	SS-6MEDL	SOIL	Toluene	1500	JD	610	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	Ethyl Benzene	4700	D	530	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	Total Xylenes	27900	D	1610	11800	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	Isopropylbenzene	1700	JD	610	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	n-propylbenzene	4500	D	570	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	1,3,5-Trimethylbenzene	7600	D	640	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	1,2,4-Trimethylbenzene	28100	D	500	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	sec-Butylbenzene	1900	JD	520	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	p-Isopropyltoluene	1300	JD	490	3900	ug/Kg
Q1914-07MEDL	SS-6MEDL	SOIL	n-Butylbenzene	2900	JD	1100	3900	ug/Kg
Total Voc :				82100				
Total Concentration:				82100				
Client ID:	SS-7							
Q1914-08	SS-7	SOIL	Benzene	120	J	30.8	200	ug/Kg
Q1914-08	SS-7	SOIL	Toluene	1400		30.4	200	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q1914

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1914-08	SS-7	SOIL	Ethyl Benzene	2200		26.1	200	ug/Kg
Q1914-08	SS-7	SOIL	Total Xylenes	12600		80.4	590	ug/Kg
Q1914-08	SS-7	SOIL	Isopropylbenzene	670		30.4	200	ug/Kg
Q1914-08	SS-7	SOIL	n-propylbenzene	1900		28.5	200	ug/Kg
Q1914-08	SS-7	SOIL	1,3,5-Trimethylbenzene	2900		32.0	200	ug/Kg
Q1914-08	SS-7	SOIL	1,2,4-Trimethylbenzene	11000	E	25.0	200	ug/Kg
Q1914-08	SS-7	SOIL	sec-Butylbenzene	780		25.7	200	ug/Kg
Q1914-08	SS-7	SOIL	p-Isopropyltoluene	520		24.2	200	ug/Kg
Q1914-08	SS-7	SOIL	n-Butylbenzene	1200		56.6	200	ug/Kg
Total Voc :				35300				
Total Concentration:				35300				
Client ID:	SS-7DL							
Q1914-08DL	SS-7DL	SOIL	Toluene	1300	JD	610	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	Ethyl Benzene	2200	JD	520	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	Total Xylenes	12200	D	1610	11700	ug/Kg
Q1914-08DL	SS-7DL	SOIL	Isopropylbenzene	640	JD	610	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	n-propylbenzene	1800	JD	570	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	1,3,5-Trimethylbenzene	3000	JD	640	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	1,2,4-Trimethylbenzene	11200	D	500	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	sec-Butylbenzene	760	JD	510	3900	ug/Kg
Q1914-08DL	SS-7DL	SOIL	p-Isopropyltoluene	560	JD	480	3900	ug/Kg
Total Voc :				33700				
Total Concentration:				33700				
Client ID:	SS-8							
Q1914-09	SS-8	SOIL	Benzene	19.9		0.55	3.50	ug/Kg
Q1914-09	SS-8	SOIL	Toluene	640	E	0.55	3.50	ug/Kg
Q1914-09	SS-8	SOIL	Ethyl Benzene	780	E	0.47	3.50	ug/Kg
Q1914-09	SS-8	SOIL	Total Xylenes	4200	E	1.44	10.5	ug/Kg
Q1914-09	SS-8	SOIL	Isopropylbenzene	320	E	0.55	3.50	ug/Kg
Q1914-09	SS-8	SOIL	n-propylbenzene	420	E	0.51	3.50	ug/Kg
Q1914-09	SS-8	SOIL	1,3,5-Trimethylbenzene	470	E	0.57	3.50	ug/Kg
Q1914-09	SS-8	SOIL	1,2,4-Trimethylbenzene	710	E	0.45	3.50	ug/Kg
Q1914-09	SS-8	SOIL	sec-Butylbenzene	280	E	0.46	3.50	ug/Kg
Q1914-09	SS-8	SOIL	p-Isopropyltoluene	180	E	0.43	3.50	ug/Kg
Q1914-09	SS-8	SOIL	n-Butylbenzene	320	E	1.00	3.50	ug/Kg
Total Voc :				8340				
Total Concentration:				8340				
Client ID:	SS-8ME							

Hit Summary Sheet SW-846

SDG No.: Q1914

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1914-09ME	SS-8ME	SOIL	Benzene	61.4	JD	26.7	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	Toluene	1200	D	26.4	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	Ethyl Benzene	2900	D	22.7	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	Total Xylenes	16700	ED	69.6	510	ug/Kg
Q1914-09ME	SS-8ME	SOIL	Isopropylbenzene	990	D	26.4	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	n-propylbenzene	3000	D	24.7	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	1,3,5-Trimethylbenzene	5100	ED	27.7	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	1,2,4-Trimethylbenzene	18300	ED	21.6	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	sec-Butylbenzene	1300	D	22.3	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	p-Isopropyltoluene	940	D	21.0	170	ug/Kg
Q1914-09ME	SS-8ME	SOIL	n-Butylbenzene	2400	D	49.0	170	ug/Kg
Total Voc :				52900				
Total Concentration:				52900				
Client ID:	SS-8MEDL							
Q1914-09MEDL	SS-8MEDL	SOIL	Toluene	1100	JD	530	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	Ethyl Benzene	2700	JD	450	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	Total Xylenes	15200	D	1390	10200	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	Isopropylbenzene	1000	JD	530	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	n-propylbenzene	2900	JD	490	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	1,3,5-Trimethylbenzene	5200	D	550	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	1,2,4-Trimethylbenzene	18900	D	430	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	sec-Butylbenzene	1300	JD	450	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	p-Isopropyltoluene	900	JD	420	3400	ug/Kg
Q1914-09MEDL	SS-8MEDL	SOIL	n-Butylbenzene	2100	JD	980	3400	ug/Kg
Total Voc :				51300				
Total Concentration:				51300				



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-1	SDG No.:	Q1914
Lab Sample ID:	Q1914-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.7
Sample Wt/Vol:	7.72 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022107.D	1		05/01/25 15:02	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	3.70	U	0.58	3.70	ug/Kg
108-88-3	Toluene	3.70	U	0.57	3.70	ug/Kg
100-41-4	Ethyl Benzene	3.70	U	0.49	3.70	ug/Kg
1330-20-7	Total Xylenes	11.0	U	1.51	11.0	ug/Kg
98-82-8	Isopropylbenzene	3.70	U	0.57	3.70	ug/Kg
103-65-1	n-propylbenzene	3.70	U	0.53	3.70	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	3.70	U	0.60	3.70	ug/Kg
98-06-6	tert-Butylbenzene	3.70	U	0.49	3.70	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	3.70	U	0.47	3.70	ug/Kg
135-98-8	sec-Butylbenzene	3.70	U	0.48	3.70	ug/Kg
99-87-6	p-Isopropyltoluene	3.70	U	0.45	3.70	ug/Kg
104-51-8	n-Butylbenzene	3.70	U	1.10	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.7		63 - 155	93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	47.7		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		38 - 136	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	324000	7.707			
540-36-3	1,4-Difluorobenzene	598000	8.616			
3114-55-4	Chlorobenzene-d5	535000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	218000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-91	SDG No.:	Q1914
Lab Sample ID:	Q1914-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.5
Sample Wt/Vol:	7.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022108.D	1		05/01/25 15:28	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	3.80	U	0.60	3.80	ug/Kg
108-88-3	Toluene	3.80	U	0.59	3.80	ug/Kg
100-41-4	Ethyl Benzene	3.80	U	0.51	3.80	ug/Kg
1330-20-7	Total Xylenes	11.4	U	1.56	11.4	ug/Kg
98-82-8	Isopropylbenzene	3.80	U	0.59	3.80	ug/Kg
103-65-1	n-propylbenzene	3.80	U	0.56	3.80	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.87	J	0.62	3.80	ug/Kg
98-06-6	tert-Butylbenzene	3.80	U	0.51	3.80	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	3.80	U	0.49	3.80	ug/Kg
135-98-8	sec-Butylbenzene	3.80	U	0.50	3.80	ug/Kg
99-87-6	p-Isopropyltoluene	3.80	U	0.47	3.80	ug/Kg
104-51-8	n-Butylbenzene	3.80	U	1.10	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.1		63 - 155	86%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		70 - 134	94%	SPK: 50
2037-26-5	Toluene-d8	48.4		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.5		38 - 136	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	377000	7.707			
540-36-3	1,4-Difluorobenzene	687000	8.615			
3114-55-4	Chlorobenzene-d5	619000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	255000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-2	SDG No.:	Q1914
Lab Sample ID:	Q1914-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.1
Sample Wt/Vol:	8.24 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022109.D	1		05/01/25 16:04	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	3.60	U	0.57	3.60	ug/Kg
108-88-3	Toluene	3.60	U	0.56	3.60	ug/Kg
100-41-4	Ethyl Benzene	3.60	U	0.48	3.60	ug/Kg
1330-20-7	Total Xylenes	10.8	U	1.48	10.8	ug/Kg
98-82-8	Isopropylbenzene	3.60	U	0.56	3.60	ug/Kg
103-65-1	n-propylbenzene	3.60	U	0.53	3.60	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	3.60	U	0.59	3.60	ug/Kg
98-06-6	tert-Butylbenzene	3.60	U	0.48	3.60	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	3.60	U	0.46	3.60	ug/Kg
135-98-8	sec-Butylbenzene	3.60	U	0.48	3.60	ug/Kg
99-87-6	p-Isopropyltoluene	3.60	U	0.45	3.60	ug/Kg
104-51-8	n-Butylbenzene	3.60	U	1.00	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.8		63 - 155	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	48.3		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		38 - 136	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	335000	7.707			
540-36-3	1,4-Difluorobenzene	631000	8.616			
3114-55-4	Chlorobenzene-d5	599000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	259000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-3	SDG No.:	Q1914
Lab Sample ID:	Q1914-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.5
Sample Wt/Vol:	7.62 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022110.D	1		05/01/25 16:27	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	3.70	U	0.59	3.70	ug/Kg
108-88-3	Toluene	3.70	U	0.58	3.70	ug/Kg
100-41-4	Ethyl Benzene	3.70	U	0.50	3.70	ug/Kg
1330-20-7	Total Xylenes	11.2	U	1.54	11.2	ug/Kg
98-82-8	Isopropylbenzene	3.70	U	0.58	3.70	ug/Kg
103-65-1	n-propylbenzene	3.70	U	0.55	3.70	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	3.70	U	0.61	3.70	ug/Kg
98-06-6	tert-Butylbenzene	3.70	U	0.50	3.70	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	3.70	U	0.48	3.70	ug/Kg
135-98-8	sec-Butylbenzene	3.70	U	0.49	3.70	ug/Kg
99-87-6	p-Isopropyltoluene	3.70	U	0.46	3.70	ug/Kg
104-51-8	n-Butylbenzene	3.70	U	1.10	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.0		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		38 - 136	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	334000	7.707			
540-36-3	1,4-Difluorobenzene	624000	8.616			
3114-55-4	Chlorobenzene-d5	569000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	236000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-4	SDG No.:	Q1914
Lab Sample ID:	Q1914-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.5
Sample Wt/Vol:	7.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022111.D	1		05/01/25 16:49	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	4.10	U	0.65	4.10	ug/Kg
108-88-3	Toluene	4.10	U	0.64	4.10	ug/Kg
100-41-4	Ethyl Benzene	4.10	U	0.55	4.10	ug/Kg
1330-20-7	Total Xylenes	12.3	U	1.67	12.3	ug/Kg
98-82-8	Isopropylbenzene	4.10	U	0.64	4.10	ug/Kg
103-65-1	n-propylbenzene	4.10	U	0.60	4.10	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	4.10	U	0.67	4.10	ug/Kg
98-06-6	tert-Butylbenzene	4.10	U	0.55	4.10	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.10	U	0.52	4.10	ug/Kg
135-98-8	sec-Butylbenzene	4.10	U	0.54	4.10	ug/Kg
99-87-6	p-Isopropyltoluene	4.10	U	0.51	4.10	ug/Kg
104-51-8	n-Butylbenzene	4.10	U	1.20	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	47.2		74 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.7		38 - 136	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	330000	7.707			
540-36-3	1,4-Difluorobenzene	612000	8.616			
3114-55-4	Chlorobenzene-d5	536000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	200000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-5	SDG No.:	Q1914
Lab Sample ID:	Q1914-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.7
Sample Wt/Vol:	7.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022112.D	1		05/01/25 17:16	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	21.6		0.57	3.60	ug/Kg
108-88-3	Toluene	110	E	0.56	3.60	ug/Kg
100-41-4	Ethyl Benzene	350	E	0.48	3.60	ug/Kg
1330-20-7	Total Xylenes	1980	E	1.48	10.8	ug/Kg
98-82-8	Isopropylbenzene	85.4		0.56	3.60	ug/Kg
103-65-1	n-propylbenzene	210	E	0.53	3.60	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	390	E	0.59	3.60	ug/Kg
98-06-6	tert-Butylbenzene	3.60	U	0.48	3.60	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	970	E	0.46	3.60	ug/Kg
135-98-8	sec-Butylbenzene	64.7		0.47	3.60	ug/Kg
99-87-6	p-Isopropyltoluene	44.4		0.45	3.60	ug/Kg
104-51-8	n-Butylbenzene	85.8		1.00	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	58.2		74 - 123	116%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		38 - 136	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	349000	7.707			
540-36-3	1,4-Difluorobenzene	593000	8.616			
3114-55-4	Chlorobenzene-d5	525000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	237000	13.353			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-5ME	SDG No.:	Q1914
Lab Sample ID:	Q1914-06ME	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.7
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086518.D	1		05/06/25 16:35	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	88.0	JD	30.0	190	ug/Kg
108-88-3	Toluene	230	D	29.6	190	ug/Kg
100-41-4	Ethyl Benzene	1100	D	25.4	190	ug/Kg
1330-20-7	Total Xylenes	4400	D	78.1	570	ug/Kg
98-82-8	Isopropylbenzene	260	D	29.6	190	ug/Kg
103-65-1	n-propylbenzene	650	D	27.7	190	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	930	D	31.1	190	ug/Kg
98-06-6	tert-Butylbenzene	190	UD	25.4	190	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	3800	D	24.3	190	ug/Kg
135-98-8	sec-Butylbenzene	230	D	25.0	190	ug/Kg
99-87-6	p-Isopropyltoluene	150	JD	23.5	190	ug/Kg
104-51-8	n-Butylbenzene	370	D	55.0	190	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.1		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	55.8		70 - 134	112%	SPK: 50
2037-26-5	Toluene-d8	52.0		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		38 - 136	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	170000	8.218			
540-36-3	1,4-Difluorobenzene	319000	9.094			
3114-55-4	Chlorobenzene-d5	298000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-6	SDG No.:	Q1914
Lab Sample ID:	Q1914-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.8
Sample Wt/Vol:	8.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022113.D	1		05/01/25 17:37	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	12.3		0.57	3.60	ug/Kg
108-88-3	Toluene	21.5		0.56	3.60	ug/Kg
100-41-4	Ethyl Benzene	240	E	0.48	3.60	ug/Kg
1330-20-7	Total Xylenes	1540	E	1.48	10.8	ug/Kg
98-82-8	Isopropylbenzene	71.9		0.56	3.60	ug/Kg
103-65-1	n-propylbenzene	180	E	0.52	3.60	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	440	E	0.59	3.60	ug/Kg
98-06-6	tert-Butylbenzene	3.60	U	0.48	3.60	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	760	E	0.46	3.60	ug/Kg
135-98-8	sec-Butylbenzene	72.3		0.47	3.60	ug/Kg
99-87-6	p-Isopropyltoluene	51.0		0.44	3.60	ug/Kg
104-51-8	n-Butylbenzene	100		1.00	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	35.5		63 - 155	71%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		70 - 134	90%	SPK: 50
2037-26-5	Toluene-d8	54.9		74 - 123	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		38 - 136	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	547000	7.707			
540-36-3	1,4-Difluorobenzene	868000	8.616			
3114-55-4	Chlorobenzene-d5	697000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	327000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-6ME	SDG No.:	Q1914
Lab Sample ID:	Q1914-07ME	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.8
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086519.D	1		05/06/25 16:59	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	170	JD	31.1	200	ug/Kg
108-88-3	Toluene	1600	D	30.7	200	ug/Kg
100-41-4	Ethyl Benzene	5300	ED	26.3	200	ug/Kg
1330-20-7	Total Xylenes	31900	ED	80.9	590	ug/Kg
98-82-8	Isopropylbenzene	1700	D	30.7	200	ug/Kg
103-65-1	n-propylbenzene	4900	ED	28.7	200	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	8000	ED	32.2	200	ug/Kg
98-06-6	tert-Butylbenzene	200	UD	26.3	200	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	29500	ED	25.2	200	ug/Kg
135-98-8	sec-Butylbenzene	2000	D	25.9	200	ug/Kg
99-87-6	p-Isopropyltoluene	1400	D	24.4	200	ug/Kg
104-51-8	n-Butylbenzene	3500	D	57.0	200	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.0		63 - 155	94%	SPK: 50
1868-53-7	Dibromofluoromethane	55.4		70 - 134	111%	SPK: 50
2037-26-5	Toluene-d8	54.9		74 - 123	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		38 - 136	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	172000	8.218			
540-36-3	1,4-Difluorobenzene	323000	9.094			
3114-55-4	Chlorobenzene-d5	314000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-6MEDL	SDG No.:	Q1914
Lab Sample ID:	Q1914-07MEDL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.8
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086494.D	20		05/05/25 18:25	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	3900	UD	620	3900	ug/Kg
108-88-3	Toluene	1500	JD	610	3900	ug/Kg
100-41-4	Ethyl Benzene	4700	D	530	3900	ug/Kg
1330-20-7	Total Xylenes	27900	D	1610	11800	ug/Kg
98-82-8	Isopropylbenzene	1700	JD	610	3900	ug/Kg
103-65-1	n-propylbenzene	4500	D	570	3900	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	7600	D	640	3900	ug/Kg
98-06-6	tert-Butylbenzene	3900	UD	530	3900	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	28100	D	500	3900	ug/Kg
135-98-8	sec-Butylbenzene	1900	JD	520	3900	ug/Kg
99-87-6	p-Isopropyltoluene	1300	JD	490	3900	ug/Kg
104-51-8	n-Butylbenzene	2900	JD	1100	3900	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.6		63 - 155	93%	SPK: 50
1868-53-7	Dibromofluoromethane	59.7		70 - 134	119%	SPK: 50
2037-26-5	Toluene-d8	52.5		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		38 - 136	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.224			
540-36-3	1,4-Difluorobenzene	307000	9.1			
3114-55-4	Chlorobenzene-d5	303000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-7	SDG No.:	Q1914
Lab Sample ID:	Q1914-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85
Sample Wt/Vol:	7.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086520.D	1		05/06/25 17:23	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	120	J	30.8	200	ug/Kg
108-88-3	Toluene	1400		30.4	200	ug/Kg
100-41-4	Ethyl Benzene	2200		26.1	200	ug/Kg
1330-20-7	Total Xylenes	12600		80.4	590	ug/Kg
98-82-8	Isopropylbenzene	670		30.4	200	ug/Kg
103-65-1	n-propylbenzene	1900		28.5	200	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2900		32.0	200	ug/Kg
98-06-6	tert-Butylbenzene	200	U	26.1	200	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	11000	E	25.0	200	ug/Kg
135-98-8	sec-Butylbenzene	780		25.7	200	ug/Kg
99-87-6	p-Isopropyltoluene	520		24.2	200	ug/Kg
104-51-8	n-Butylbenzene	1200		56.6	200	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	55.7		70 - 134	111%	SPK: 50
2037-26-5	Toluene-d8	52.8		74 - 123	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		38 - 136	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	199000	8.218			
540-36-3	1,4-Difluorobenzene	370000	9.094			
3114-55-4	Chlorobenzene-d5	347000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	153000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-7DL	SDG No.:	Q1914
Lab Sample ID:	Q1914-08DL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85
Sample Wt/Vol:	7.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086495.D	20		05/05/25 18:49	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	3900	UD	620	3900	ug/Kg
108-88-3	Toluene	1300	JD	610	3900	ug/Kg
100-41-4	Ethyl Benzene	2200	JD	520	3900	ug/Kg
1330-20-7	Total Xylenes	12200	D	1610	11700	ug/Kg
98-82-8	Isopropylbenzene	640	JD	610	3900	ug/Kg
103-65-1	n-propylbenzene	1800	JD	570	3900	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	3000	JD	640	3900	ug/Kg
98-06-6	tert-Butylbenzene	3900	UD	520	3900	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	11200	D	500	3900	ug/Kg
135-98-8	sec-Butylbenzene	760	JD	510	3900	ug/Kg
99-87-6	p-Isopropyltoluene	560	JD	480	3900	ug/Kg
104-51-8	n-Butylbenzene	3900	UD	1100	3900	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		63 - 155	95%	SPK: 50
1868-53-7	Dibromofluoromethane	58.3		70 - 134	117%	SPK: 50
2037-26-5	Toluene-d8	50.2		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		38 - 136	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	8.224			
540-36-3	1,4-Difluorobenzene	307000	9.1			
3114-55-4	Chlorobenzene-d5	284000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-8	SDG No.:	Q1914
Lab Sample ID:	Q1914-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	7.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022114.D	1		05/01/25 18:00	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	19.9		0.55	3.50	ug/Kg
108-88-3	Toluene	640	E	0.55	3.50	ug/Kg
100-41-4	Ethyl Benzene	780	E	0.47	3.50	ug/Kg
1330-20-7	Total Xylenes	4200	E	1.44	10.5	ug/Kg
98-82-8	Isopropylbenzene	320	E	0.55	3.50	ug/Kg
103-65-1	n-propylbenzene	420	E	0.51	3.50	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	470	E	0.57	3.50	ug/Kg
98-06-6	tert-Butylbenzene	3.50	U	0.47	3.50	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	710	E	0.45	3.50	ug/Kg
135-98-8	sec-Butylbenzene	280	E	0.46	3.50	ug/Kg
99-87-6	p-Isopropyltoluene	180	E	0.43	3.50	ug/Kg
104-51-8	n-Butylbenzene	320	E	1.00	3.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	36.9		63 - 155	74%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	100	*	74 - 123	208%	SPK: 50
460-00-4	4-Bromofluorobenzene	220	*	38 - 136	447%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	521000	7.707			
540-36-3	1,4-Difluorobenzene	815000	8.616			
3114-55-4	Chlorobenzene-d5	583000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	512000	13.353			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-8ME	SDG No.:	Q1914
Lab Sample ID:	Q1914-09ME	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086521.D	1		05/06/25 17:48	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	61.4	JD	26.7	170	ug/Kg
108-88-3	Toluene	1200	D	26.4	170	ug/Kg
100-41-4	Ethyl Benzene	2900	D	22.7	170	ug/Kg
1330-20-7	Total Xylenes	16700	ED	69.6	510	ug/Kg
98-82-8	Isopropylbenzene	990	D	26.4	170	ug/Kg
103-65-1	n-propylbenzene	3000	D	24.7	170	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5100	ED	27.7	170	ug/Kg
98-06-6	tert-Butylbenzene	170	UD	22.7	170	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	18300	ED	21.6	170	ug/Kg
135-98-8	sec-Butylbenzene	1300	D	22.3	170	ug/Kg
99-87-6	p-Isopropyltoluene	940	D	21.0	170	ug/Kg
104-51-8	n-Butylbenzene	2400	D	49.0	170	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.8		63 - 155	92%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		70 - 134	109%	SPK: 50
2037-26-5	Toluene-d8	52.7		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		38 - 136	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	8.218			
540-36-3	1,4-Difluorobenzene	380000	9.094			
3114-55-4	Chlorobenzene-d5	349000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	167000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-8MEDL	SDG No.:	Q1914
Lab Sample ID:	Q1914-09MEDL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086496.D	20		05/05/25 19:14	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	3400	UD	530	3400	ug/Kg
108-88-3	Toluene	1100	JD	530	3400	ug/Kg
100-41-4	Ethyl Benzene	2700	JD	450	3400	ug/Kg
1330-20-7	Total Xylenes	15200	D	1390	10200	ug/Kg
98-82-8	Isopropylbenzene	1000	JD	530	3400	ug/Kg
103-65-1	n-propylbenzene	2900	JD	490	3400	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5200	D	550	3400	ug/Kg
98-06-6	tert-Butylbenzene	3400	UD	450	3400	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	18900	D	430	3400	ug/Kg
135-98-8	sec-Butylbenzene	1300	JD	450	3400	ug/Kg
99-87-6	p-Isopropyltoluene	900	JD	420	3400	ug/Kg
104-51-8	n-Butylbenzene	2100	JD	980	3400	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.5		63 - 155	95%	SPK: 50
1868-53-7	Dibromofluoromethane	59.2		70 - 134	118%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		38 - 136	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	168000	8.224			
540-36-3	1,4-Difluorobenzene	313000	9.1			
3114-55-4	Chlorobenzene-d5	300000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-9	SDG No.:	Q1914
Lab Sample ID:	Q1914-12	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.1
Sample Wt/Vol:	7.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022178.D	1		05/06/25 13:03	VY050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	3.60	U	0.57	3.60	ug/Kg
108-88-3	Toluene	3.60	U	0.57	3.60	ug/Kg
100-41-4	Ethyl Benzene	3.60	U	0.49	3.60	ug/Kg
1330-20-7	Total Xylenes	10.8	U	1.49	10.8	ug/Kg
98-82-8	Isopropylbenzene	3.60	U	0.57	3.60	ug/Kg
103-65-1	n-propylbenzene	3.60	U	0.53	3.60	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	3.60	U	0.59	3.60	ug/Kg
98-06-6	tert-Butylbenzene	3.60	U	0.49	3.60	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	3.60	U	0.46	3.60	ug/Kg
135-98-8	sec-Butylbenzene	3.60	U	0.48	3.60	ug/Kg
99-87-6	p-Isopropyltoluene	3.60	U	0.45	3.60	ug/Kg
104-51-8	n-Butylbenzene	3.60	U	1.10	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.4		63 - 155	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	49.2		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.8		38 - 136	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	197000	7.713			
540-36-3	1,4-Difluorobenzene	384000	8.616			
3114-55-4	Chlorobenzene-d5	340000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	FB04282025	SDG No.:	Q1914
Lab Sample ID:	Q1914-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045991.D	1		04/30/25 12:32	VX043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.36	3.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
103-65-1	n-propylbenzene	1.00	U	0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.00	U	0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	1.00	U	0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.00	U	0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	1.00	U	0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	1.00	U	0.13	1.00	ug/L
104-51-8	n-Butylbenzene	1.00	U	0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		74 - 125	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	59300	5.55			
540-36-3	1,4-Difluorobenzene	118000	6.757			
3114-55-4	Chlorobenzene-d5	108000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	46100	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q1914

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1914-01	SS-1	1,2-Dichloroethane-d4	50	46.7	93	63	155
		Dibromofluoromethane	50	48.7	97	70	134
		Toluene-d8	50	47.7	95	74	123
		4-Bromofluorobenzene	50	43.8	88	38	136
Q1914-02	SS-91	1,2-Dichloroethane-d4	50	43.1	86	63	155
		Dibromofluoromethane	50	46.8	94	70	134
		Toluene-d8	50	48.4	97	74	123
		4-Bromofluorobenzene	50	44.5	89	38	136
Q1914-03	SS-2	1,2-Dichloroethane-d4	50	54.8	110	63	155
		Dibromofluoromethane	50	50.6	101	70	134
		Toluene-d8	50	48.3	97	74	123
		4-Bromofluorobenzene	50	48.0	96	38	136
Q1914-04	SS-3	1,2-Dichloroethane-d4	50	50.8	102	63	155
		Dibromofluoromethane	50	49.7	99	70	134
		Toluene-d8	50	48.0	96	74	123
		4-Bromofluorobenzene	50	45.0	90	38	136
Q1914-05	SS-4	1,2-Dichloroethane-d4	50	50.7	101	63	155
		Dibromofluoromethane	50	49.4	99	70	134
		Toluene-d8	50	47.2	94	74	123
		4-Bromofluorobenzene	50	39.7	79	38	136
Q1914-06	SS-5	1,2-Dichloroethane-d4	50	47.8	96	63	155
		Dibromofluoromethane	50	49.1	98	70	134
		Toluene-d8	50	58.2	116	74	123
		4-Bromofluorobenzene	50	55.5	111	38	136
Q1914-06ME	SS-5ME	1,2-Dichloroethane-d4	50	48.1	96	63	155
		Dibromofluoromethane	50	55.8	112	70	134
		Toluene-d8	50	52.0	104	74	123
		4-Bromofluorobenzene	50	48.0	96	38	136
Q1914-07	SS-6	1,2-Dichloroethane-d4	50	35.5	71	63	155
		Dibromofluoromethane	50	45.0	90	70	134
		Toluene-d8	50	54.9	110	74	123
		4-Bromofluorobenzene	50	54.3	109	38	136
Q1914-07ME	SS-6ME	1,2-Dichloroethane-d4	50	47.0	94	63	155
		Dibromofluoromethane	50	55.4	111	70	134
		Toluene-d8	50	54.9	110	74	123
		4-Bromofluorobenzene	50	56.4	113	38	136
Q1914-07MEDL	SS-6MEDL	1,2-Dichloroethane-d4	50	46.5	93	63	155
		Dibromofluoromethane	50	59.7	119	70	134
		Toluene-d8	50	52.5	105	74	123
		4-Bromofluorobenzene	50	54.2	108	38	136
Q1914-08	SS-7	1,2-Dichloroethane-d4	50	45.4	91	63	155
		Dibromofluoromethane	50	55.7	111	70	134
		Toluene-d8	50	52.8	106	74	123
		4-Bromofluorobenzene	50	49.8	100	38	136
Q1914-08DL	SS-7DL	1,2-Dichloroethane-d4	50	47.7	95	63	155
		Dibromofluoromethane	50	58.3	117	70	134
		Toluene-d8	50	50.2	100	74	123
		4-Bromofluorobenzene	50	49.9	100	38	136
Q1914-09	SS-8	1,2-Dichloroethane-d4	50	36.9	74	63	155
		Dibromofluoromethane	50	48.3	97	70	134

Surrogate Summary

SDG No.: Q1914

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1914-09	SS-8	Toluene-d8	50	104	208 *	74	123
		4-Bromofluorobenzene	50	224	447 *	38	136
Q1914-09ME	SS-8ME	1,2-Dichloroethane-d4	50	45.8	92	63	155
		Dibromofluoromethane	50	54.7	109	70	134
		Toluene-d8	50	52.7	105	74	123
		4-Bromofluorobenzene	50	52.7	105	38	136
Q1914-09MEDL	SS-8MEDL	1,2-Dichloroethane-d4	50	47.5	95	63	155
		Dibromofluoromethane	50	59.2	118	70	134
		Toluene-d8	50	51.5	103	74	123
		4-Bromofluorobenzene	50	53.6	107	38	136
Q1914-10MS	SS-8MS	1,2-Dichloroethane-d4	50	41.1	82	63	155
		Dibromofluoromethane	50	47.5	95	70	134
		Toluene-d8	50	113	225 *	74	123
		4-Bromofluorobenzene	50	259	518 *	38	136
Q1914-11MSD	SS-8MSD	1,2-Dichloroethane-d4	50	48.9	98	63	155
		Dibromofluoromethane	50	50.0	100	70	134
		Toluene-d8	50	76.8	154 *	74	123
		4-Bromofluorobenzene	50	168	336 *	38	136
Q1914-12	SS-9	1,2-Dichloroethane-d4	50	56.4	113	63	155
		Dibromofluoromethane	50	52.0	104	70	134
		Toluene-d8	50	49.2	98	74	123
		4-Bromofluorobenzene	50	38.8	78	38	136
VN0505MBL01	VN0505MBL01	1,2-Dichloroethane-d4	50	48.4	97	63	155
		Dibromofluoromethane	50	60.5	121	70	134
		Toluene-d8	50	51.1	102	74	123
		4-Bromofluorobenzene	50	48.6	97	38	136
VN0505MBS01	VN0505MBS01	1,2-Dichloroethane-d4	50	51.5	103	63	155
		Dibromofluoromethane	50	57.3	115	70	134
		Toluene-d8	50	50.8	102	74	123
		4-Bromofluorobenzene	50	51.3	103	38	136
VN0506MBL01	VN0506MBL01	1,2-Dichloroethane-d4	50	46.9	94	63	155
		Dibromofluoromethane	50	60.6	121	70	134
		Toluene-d8	50	50.7	101	74	123
		4-Bromofluorobenzene	50	48.7	97	38	136
VN0506MBS01	VN0506MBS01	1,2-Dichloroethane-d4	50	48.6	97	63	155
		Dibromofluoromethane	50	57.7	115	70	134
		Toluene-d8	50	50.2	100	74	123
		4-Bromofluorobenzene	50	47.2	94	38	136
VY0501SBL01	VY0501SBL01	1,2-Dichloroethane-d4	50	49.2	98	63	155
		Dibromofluoromethane	50	50.6	101	70	134
		Toluene-d8	50	47.8	96	74	123
		4-Bromofluorobenzene	50	53.1	106	38	136
VY0501SBS01	VY0501SBS01	1,2-Dichloroethane-d4	50	47.5	95	63	155
		Dibromofluoromethane	50	49.5	99	70	134
		Toluene-d8	50	50.1	100	74	123
		4-Bromofluorobenzene	50	49.3	99	38	136
VY0506SBL01	VY0506SBL01	1,2-Dichloroethane-d4	50	55.3	111	63	155
		Dibromofluoromethane	50	50.7	101	70	134
		Toluene-d8	50	48.2	96	74	123
		4-Bromofluorobenzene	50	53.8	108	38	136

Surrogate Summary

SDG No.: Q1914

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VY0506SBS01	VY0506SBS01	1,2-Dichloroethane-d4	50	51.6	103	63	155
		Dibromofluoromethane	50	50.1	100	70	134
		Toluene-d8	50	50.8	102	74	123
		4-Bromofluorobenzene	50	50.6	101	38	136

Surrogate Summary

SDG No.: Q1914

Client: CDM Smith

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1914-14	FB04282025	1,2-Dichloroethane-d4	50	55.5	111	74	125
		Dibromofluoromethane	50	52.6	105	75	124
		Toluene-d8	50	50.2	100	86	113
		4-Bromofluorobenzene	50	50.9	102	77	121
VX0430WBL01	VX0430WBL01	1,2-Dichloroethane-d4	50	56.3	113	74	125
		Dibromofluoromethane	50	52.5	105	75	124
		Toluene-d8	50	50.4	101	86	113
		4-Bromofluorobenzene	50	51.9	104	77	121
VX0430WBS01	VX0430WBS01	1,2-Dichloroethane-d4	50	54.6	109	74	125
		Dibromofluoromethane	50	56.5	113	75	124
		Toluene-d8	50	52.1	104	86	113
		4-Bromofluorobenzene	50	55.7	111	77	121
VX0430WBSD0	VX0430WBSD01	1,2-Dichloroethane-d4	50	54.3	109	74	125
		Dibromofluoromethane	50	56.5	113	75	124
		Toluene-d8	50	52.0	104	86	113
		4-Bromofluorobenzene	50	56.5	113	77	121

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

Analytical Method: SW8260D

										Limits	
Parameter	Spike	Sample	Result	Units	Rec		RPD	RPD	Low	High	RPD
		Result			Qual	Qual					
Lab Sample ID :	Q1914-10MS	Client Sample ID :	SS-8MS					Datafile :	VY022115.D		
Benzene	39.6	19.9	58.5	ug/Kg	97				59	140	
Toluene	39.6	640	820	ug/Kg	455	*			61	134	
Ethyl Benzene	39.6	780	1400	ug/Kg	1566	*			54	134	
m/p-Xylenes	79.2	2200	4100	ug/Kg	2399	*			51	137	
o-Xylene	39.6	2000	3600	ug/Kg	4040	*			57	139	
Isopropylbenzene	39.6	320	400	ug/Kg	202	*			44	160	
N-propylbenzene	39.6	420	570	ug/Kg	379	*			10	173	
1,3,5-Trimethylbenzene	39.6	470	750	ug/Kg	707	*			10	175	
tert-Butylbenzene	39.6	0	14.1	ug/Kg	36				10	173	
1,2,4-Trimethylbenzene	39.6	710	1000	ug/Kg	732	*			10	175	
Sec-butylbenzene	39.6	280	370	ug/Kg	227	*			10	172	
p-Isopropyltoluene	39.6	180	240	ug/Kg	152				26	153	
n-Butylbenzene	39.6	320	400	ug/Kg	202	*			10	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

Analytical Method: SW8260D

Limits											
Parameter	Spike	Sample	Result	Units	Rec		RPD	Qual	Low	High	RPD
		Result			Qual	RPD					
Lab Sample ID :	Q1914-11MSD	Client Sample ID :	SS-8MSD					Datafile :	VY022116.D		
Benzene	35	19.9	46.5	ug/Kg	76		24	*	59	140	20
Toluene	35	640	440	ug/Kg	-571	*	1769	*	61	134	20
Ethyl Benzene	35	780	1100	ug/Kg	914	*	53	*	54	134	20
m/p-Xylenes	70	2200	3500	ug/Kg	1857	*	25	*	51	137	20
o-Xylene	35	2000	3000	ug/Kg	2857	*	34	*	57	139	20
Isopropylbenzene	35	320	230	ug/Kg	-257	*	1669	*	44	160	20
N-propylbenzene	35	420	420	ug/Kg	0	*	200	*	10	173	20
1,3,5-Trimethylbenzene	35	470	580	ug/Kg	314	*	77	*	10	175	20
tert-Butylbenzene	35	0	8.80	ug/Kg	25		34	*	10	173	20
1,2,4-Trimethylbenzene	35	710	830	ug/Kg	343	*	72	*	10	175	20
Sec-butylbenzene	35	280	260	ug/Kg	-57	*	334	*	10	172	20
p-Isopropyltoluene	35	180	180	ug/Kg	0	*	200	*	26	153	20
n-Butylbenzene	35	320	320	ug/Kg	0	*	200	*	10	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VN086491.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN0505MBS01	Benzene	2000	2000	ug/Kg	100			84	121	
	Toluene	2000	2000	ug/Kg	100			83	122	
	Ethyl Benzene	2000	2100	ug/Kg	105			82	124	
	m/p-Xylenes	4000	4100	ug/Kg	103			83	124	
	o-Xylene	2000	2000	ug/Kg	100			83	123	
	Isopropylbenzene	2000	1900	ug/Kg	95			82	124	
	N-propylbenzene	2000	1900	ug/Kg	95			81	123	
	1,3,5-Trimethylbenzene	2000	2000	ug/Kg	100			82	124	
	tert-Butylbenzene	2000	2000	ug/Kg	100			81	125	
	1,2,4-Trimethylbenzene	2000	2000	ug/Kg	100			81	125	
	Sec-butylbenzene	2000	2000	ug/Kg	100			80	124	
	p-Isopropyltoluene	2000	2000	ug/Kg	100			81	125	
	n-Butylbenzene	2000	1900	ug/Kg	95			78	126	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VN086515.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN0506MBS01	Benzene	2000	1800	ug/Kg	90			84	121	
	Toluene	2000	1900	ug/Kg	95			83	122	
	Ethyl Benzene	2000	1900	ug/Kg	95			82	124	
	m/p-Xylenes	4000	3800	ug/Kg	95			83	124	
	o-Xylene	2000	2000	ug/Kg	100			83	123	
	Isopropylbenzene	2000	1900	ug/Kg	95			82	124	
	N-propylbenzene	2000	1800	ug/Kg	90			81	123	
	1,3,5-Trimethylbenzene	2000	1900	ug/Kg	95			82	124	
	tert-Butylbenzene	2000	1900	ug/Kg	95			81	125	
	1,2,4-Trimethylbenzene	2000	1900	ug/Kg	95			81	125	
	Sec-butylbenzene	2000	1900	ug/Kg	95			80	124	
	p-Isopropyltoluene	2000	1900	ug/Kg	95			81	125	
	n-Butylbenzene	2000	1700	ug/Kg	85			78	126	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

Analytical Method: SW8260-Low

Datafile : VX045988.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0430WBS01	Benzene	20	20.2	ug/L	101			82	109	
	Toluene	20	20.2	ug/L	101			82	110	
	Ethyl Benzene	20	20.6	ug/L	103			83	109	
	m/p-Xylenes	40	42.5	ug/L	106			82	110	
	o-Xylene	20	21.0	ug/L	105			83	109	
	Isopropylbenzene	20	20.7	ug/L	104			83	112	
	N-propylbenzene	20	20.3	ug/L	102			83	112	
	1,3,5-Trimethylbenzene	20	21.1	ug/L	106			85	112	
	tert-Butylbenzene	20	21.2	ug/L	106			83	112	
	1,2,4-Trimethylbenzene	20	20.7	ug/L	104			85	111	
	Sec-butylbenzene	20	21.2	ug/L	106			81	114	
	p-Isopropyltoluene	20	20.9	ug/L	104			78	116	
	n-Butylbenzene	20	20.1	ug/L	101			75	115	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

Analytical Method: SW8260-Low

Datafile : VX045989.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0430WBSD01	Benzene	20	20.1	ug/L	101	0		82	109	20
	Toluene	20	20.5	ug/L	103	2		82	110	20
	Ethyl Benzene	20	20.6	ug/L	103	0		83	109	20
	m/p-Xylenes	40	41.4	ug/L	104	2		82	110	20
	o-Xylene	20	21.0	ug/L	105	0		83	109	20
	Isopropylbenzene	20	20.1	ug/L	101	3		83	112	20
	N-propylbenzene	20	19.8	ug/L	99	3		83	112	20
	1,3,5-Trimethylbenzene	20	20.3	ug/L	102	4		85	112	20
	tert-Butylbenzene	20	20.6	ug/L	103	3		83	112	20
	1,2,4-Trimethylbenzene	20	20.6	ug/L	103	1		85	111	20
	Sec-butylbenzene	20	20.6	ug/L	103	3		81	114	20
	p-Isopropyltoluene	20	20.7	ug/L	104	0		78	116	20
	n-Butylbenzene	20	20.2	ug/L	101	0		75	115	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022097.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0501SBS01	Benzene	20	20.2	ug/Kg	101			84	121	
	Toluene	20	20.6	ug/Kg	103			83	122	
	Ethyl Benzene	20	19.5	ug/Kg	98			82	124	
	m/p-Xylenes	40	40.5	ug/Kg	101			83	124	
	o-Xylene	20	19.6	ug/Kg	98			83	123	
	Isopropylbenzene	20	19.2	ug/Kg	96			82	124	
	N-propylbenzene	20	19.5	ug/Kg	98			81	123	
	1,3,5-Trimethylbenzene	20	19.6	ug/Kg	98			82	124	
	tert-Butylbenzene	20	19.0	ug/Kg	95			81	125	
	1,2,4-Trimethylbenzene	20	19.5	ug/Kg	98			81	125	
	Sec-butylbenzene	20	19.4	ug/Kg	97			80	124	
	p-Isopropyltoluene	20	19.4	ug/Kg	97			81	125	
	n-Butylbenzene	20	18.7	ug/Kg	94			78	126	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022172.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0506SBS01	Benzene	20	21.3	ug/Kg	106			84	121	
	Toluene	20	21.4	ug/Kg	107			83	122	
	Ethyl Benzene	20	20.3	ug/Kg	102			82	124	
	m/p-Xylenes	40	41.6	ug/Kg	104			83	124	
	o-Xylene	20	20.3	ug/Kg	102			83	123	
	Isopropylbenzene	20	19.7	ug/Kg	99			82	124	
	N-propylbenzene	20	20.6	ug/Kg	103			81	123	
	1,3,5-Trimethylbenzene	20	20.3	ug/Kg	102			82	124	
	tert-Butylbenzene	20	19.5	ug/Kg	98			81	125	
	1,2,4-Trimethylbenzene	20	20.6	ug/Kg	103			81	125	
	Sec-butylbenzene	20	20.5	ug/Kg	103			80	124	
	p-Isopropyltoluene	20	20.2	ug/Kg	101			81	125	
	n-Butylbenzene	20	20.0	ug/Kg	100			78	126	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0505MBL01

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q1914

SAS No.: Q1914 SDG NO.: Q1914

Lab File ID: VN086479.D

Lab Sample ID: VN0505MBL01

Date Analyzed: 05/05/2025

Time Analyzed: 12:13

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0505MBS01	VN0505MBS01	VN086491.D	05/05/2025
SS-6MEDL	Q1914-07MEDL	VN086494.D	05/05/2025
SS-7DL	Q1914-08DL	VN086495.D	05/05/2025
SS-8MEDL	Q1914-09MEDL	VN086496.D	05/05/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0506MBL01

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q1914

SAS No.: Q1914 SDG NO.: Q1914

Lab File ID: VN086505.D

Lab Sample ID: VN0506MBL01

Date Analyzed: 05/06/2025

Time Analyzed: 11:11

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0506MBS01	VN0506MBS01	VN086515.D	05/06/2025
SS-5ME	Q1914-06ME	VN086518.D	05/06/2025
SS-6ME	Q1914-07ME	VN086519.D	05/06/2025
SS-7	Q1914-08	VN086520.D	05/06/2025
SS-8ME	Q1914-09ME	VN086521.D	05/06/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0430WBL01

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q1914

SAS No.: Q1914 SDG NO.: Q1914

Lab File ID: VX045987.D

Lab Sample ID: VX0430WBL01

Date Analyzed: 04/30/2025

Time Analyzed: 10:55

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0430WBS01	VX0430WBS01	VX045988.D	04/30/2025
VX0430WBSD01	VX0430WBSD01	VX045989.D	04/30/2025
FB04282025	Q1914-14	VX045991.D	04/30/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0501SBL01

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q1914

SAS No.: Q1914 SDG NO.: Q1914

Lab File ID: VY022096.D

Lab Sample ID: VY0501SBL01

Date Analyzed: 05/01/2025

Time Analyzed: 10:11

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0501SBS01	VY0501SBS01	VY022097.D	05/01/2025
SS-1	Q1914-01	VY022107.D	05/01/2025
SS-91	Q1914-02	VY022108.D	05/01/2025
SS-2	Q1914-03	VY022109.D	05/01/2025
SS-3	Q1914-04	VY022110.D	05/01/2025
SS-4	Q1914-05	VY022111.D	05/01/2025
SS-5	Q1914-06	VY022112.D	05/01/2025
SS-6	Q1914-07	VY022113.D	05/01/2025
SS-8	Q1914-09	VY022114.D	05/01/2025
SS-8MS	Q1914-10MS	VY022115.D	05/01/2025
SS-8MSD	Q1914-11MSD	VY022116.D	05/01/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0506SBL01

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q1914

SAS No.: Q1914 SDG NO.: Q1914

Lab File ID: VY022171.D

Lab Sample ID: VY0506SBL01

Date Analyzed: 05/06/2025

Time Analyzed: 09:45

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0506SBS01	VY0506SBS01	VY022172.D	05/06/2025
SS-9	Q1914-12	VY022178.D	05/06/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
Lab File ID: VN086276.D BFB Injection Date: 04/15/2025
Instrument ID: MSVOA_N BFB Injection Time: 10:47
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.6 (95.5) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN086277.D	04/15/2025	11:29
VSTDIC005	VSTDIC005	VN086278.D	04/15/2025	12:21
VSTDIC010	VSTDIC010	VN086279.D	04/15/2025	12:45
VSTDIC020	VSTDIC020	VN086280.D	04/15/2025	13:09
VSTDIC050	VSTDIC050	VN086281.D	04/15/2025	13:51
VSTDIC100	VSTDIC100	VN086282.D	04/15/2025	14:29

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
Lab File ID: VN086477.D BFB Injection Date: 05/05/2025
Instrument ID: MSVOA_N BFB Injection Time: 10:23
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	53.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	74
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	70.3 (95) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086478.D	05/05/2025	11:32
VN0505MBL01	VN0505MBL01	VN086479.D	05/05/2025	12:13
VN0505MBS01	VN0505MBS01	VN086491.D	05/05/2025	17:13
SS-6MEDL	Q1914-07MEDL	VN086494.D	05/05/2025	18:25
SS-7DL	Q1914-08DL	VN086495.D	05/05/2025	18:49
SS-8MEDL	Q1914-09MEDL	VN086496.D	05/05/2025	19:14

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
Lab File ID: VN086503.D BFB Injection Date: 05/06/2025
Instrument ID: MSVOA_N BFB Injection Time: 09:13
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5 (6.8) 1
176	95.0 - 101.0% of mass 174	71.8 (97.3) 1
177	5.0 - 9.0% of mass 176	4.6 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086504.D	05/06/2025	10:35
VN0506MBL01	VN0506MBL01	VN086505.D	05/06/2025	11:11
VN0506MBS01	VN0506MBS01	VN086515.D	05/06/2025	15:23
SS-5ME	Q1914-06ME	VN086518.D	05/06/2025	16:35
SS-6ME	Q1914-07ME	VN086519.D	05/06/2025	16:59
SS-7	Q1914-08	VN086520.D	05/06/2025	17:23
SS-8ME	Q1914-09ME	VN086521.D	05/06/2025	17:48

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
Lab File ID: VX045524.D BFB Injection Date: 04/01/2025
Instrument ID: MSVOA_X BFB Injection Time: 16:15
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 60.0% of mass 95	58.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	66.8
175	5.0 - 9.0% of mass 174	5.2 (7.8) 1
176	95.0 - 101.0% of mass 174	65.3 (97.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX045525.D	04/01/2025	17:06
VSTDIC005	VSTDIC005	VX045526.D	04/01/2025	17:29
VSTDIC020	VSTDIC020	VX045527.D	04/01/2025	17:52
VSTDIC050	VSTDIC050	VX045528.D	04/01/2025	18:15
VSTDIC100	VSTDIC100	VX045529.D	04/01/2025	18:38
VSTDIC150	VSTDIC150	VX045530.D	04/01/2025	19:02

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
Lab File ID: VX045984.D BFB Injection Date: 04/30/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:32
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 60.0% of mass 95	57.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	69.5
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	67.1 (96.5) 1
177	5.0 - 9.0% of mass 176	4.5 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045985.D	04/30/2025	10:01
VX0430WBL01	VX0430WBL01	VX045987.D	04/30/2025	10:55
VX0430WBS01	VX0430WBS01	VX045988.D	04/30/2025	11:19
VX0430WBSD01	VX0430WBSD01	VX045989.D	04/30/2025	11:46
FB04282025	Q1914-14	VX045991.D	04/30/2025	12:32

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
Lab File ID: VY021952.D BFB Injection Date: 04/22/2025
Instrument ID: MSVOA_Y BFB Injection Time: 11:33
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY021953.D	04/22/2025	13:39
VSTDIC010	VSTDIC010	VY021954.D	04/22/2025	14:44
VSTDIC020	VSTDIC020	VY021955.D	04/22/2025	15:07
VSTDIC050	VSTDIC050	VY021956.D	04/22/2025	15:29
VSTDIC100	VSTDIC100	VY021957.D	04/22/2025	15:52
VSTDIC150	VSTDIC150	VY021958.D	04/22/2025	16:15

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
Lab File ID: VY022094.D BFB Injection Date: 05/01/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:20
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.8
75	30.0 - 60.0% of mass 95	47.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	87.7
175	5.0 - 9.0% of mass 174	6.9 (7.8) 1
176	95.0 - 101.0% of mass 174	83.4 (95.1) 1
177	5.0 - 9.0% of mass 176	5.6 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022095.D	05/01/2025	08:50
VY0501SBL01	VY0501SBL01	VY022096.D	05/01/2025	10:11
VY0501SBS01	VY0501SBS01	VY022097.D	05/01/2025	10:42
SS-1	Q1914-01	VY022107.D	05/01/2025	15:02
SS-91	Q1914-02	VY022108.D	05/01/2025	15:28
SS-2	Q1914-03	VY022109.D	05/01/2025	16:04
SS-3	Q1914-04	VY022110.D	05/01/2025	16:27
SS-4	Q1914-05	VY022111.D	05/01/2025	16:49
SS-5	Q1914-06	VY022112.D	05/01/2025	17:16
SS-6	Q1914-07	VY022113.D	05/01/2025	17:37
SS-8	Q1914-09	VY022114.D	05/01/2025	18:00
SS-8MS	Q1914-10MS	VY022115.D	05/01/2025	18:23
SS-8MSD	Q1914-11MSD	VY022116.D	05/01/2025	18:46

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
Lab File ID: VY022169.D BFB Injection Date: 05/06/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:00
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.1
75	30.0 - 60.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.2 (1.3) 1
174	50.0 - 100.0% of mass 95	91.6
175	5.0 - 9.0% of mass 174	6.9 (7.5) 1
176	95.0 - 101.0% of mass 174	89 (97.2) 1
177	5.0 - 9.0% of mass 176	5.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022170.D	05/06/2025	09:14
VY0506SBL01	VY0506SBL01	VY022171.D	05/06/2025	09:45
VY0506SBS01	VY0506SBS01	VY022172.D	05/06/2025	10:17
SS-9	Q1914-12	VY022178.D	05/06/2025	13:03

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
 Lab File ID: VN086478.D Date Analyzed: 05/05/2025
 Instrument ID: MSVOA_N Time Analyzed: 11:32
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	154484	8.22	297307	9.10	276417	11.87
UPPER LIMIT	308968	8.718	594614	9.6	552834	12.365
LOWER LIMIT	77242	7.718	148654	8.6	138209	11.365
EPA SAMPLE NO.						
SS-6MEDL	166833	8.22	307337	9.10	302781	11.87
SS-7DL	162880	8.22	306914	9.10	283717	11.87
SS-8MEDL	167617	8.22	312635	9.10	300291	11.87
VN0505MBL01	156968	8.22	298822	9.10	277824	11.87
VN0505MBS01	174392	8.22	323563	9.10	294006	11.87

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
 Lab File ID: VN086478.D Date Analyzed: 05/05/2025
 Instrument ID: MSVOA_N Time Analyzed: 11:32
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	133852	13.788				
UPPER LIMIT	267704	14.288				
LOWER LIMIT	66926	13.288				
EPA SAMPLE NO.						
SS-6MEDL	140970	13.79				
SS-7DL	128135	13.79				
SS-8MEDL	141242	13.79				
VN0505MBL01	117072	13.79				
VN0505MBS01	137470	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
Lab File ID: VN086504.D Date Analyzed: 05/06/2025
Instrument ID: MSVOA_N Time Analyzed: 10:35
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	186971	8.22	338775	9.09	314072	11.86
UPPER LIMIT	373942	8.724	677550	9.594	628144	12.359
LOWER LIMIT	93485.5	7.724	169388	8.594	157036	11.359
EPA SAMPLE NO.						
SS-5ME	169551	8.22	319127	9.09	297541	11.87
SS-6ME	172187	8.22	322534	9.09	313788	11.87
SS-7	198517	8.22	370271	9.09	347259	11.86
SS-8ME	202938	8.22	380050	9.09	349216	11.87
VN0506MBL01	194854	8.22	360705	9.10	339328	11.87
VN0506MBS01	186931	8.22	334765	9.10	293306	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
 Lab File ID: VN086504.D Date Analyzed: 05/06/2025
 Instrument ID: MSVOA_N Time Analyzed: 10:35
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	155373	13.788				
UPPER LIMIT	310746	14.288				
LOWER LIMIT	77686.5	13.288				
EPA SAMPLE NO.						
SS-5ME	131140	13.79				
SS-6ME	148688	13.79				
SS-7	152767	13.79				
SS-8ME	167366	13.79				
VN0506MBL01	141530	13.79				
VN0506MBS01	131486	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
Lab File ID: VX045985.D Date Analyzed: 04/30/2025
Instrument ID: MSVOA_X Time Analyzed: 10:01
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	83019	5.55	141256	6.75	122754	10.05
UPPER LIMIT	166038	6.049	282512	7.25	245508	10.549
LOWER LIMIT	41509.5	5.049	70628	6.25	61377	9.549
EPA SAMPLE NO.						
FB04282025	59292	5.55	117758	6.76	108001	10.06
VX0430WBL01	62274	5.54	125239	6.76	116463	10.05
VX0430WBS01	79591	5.54	138531	6.76	123154	10.05
VX0430WBSD01	77091	5.54	132529	6.76	119517	10.05

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
 Lab File ID: VX045985.D Date Analyzed: 04/30/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:01
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	60558	12.018				
UPPER LIMIT	121116	12.518				
LOWER LIMIT	30279	11.518				
EPA SAMPLE NO.						
FB04282025	46147	12.02				
VX0430WBL01	49781	12.02				
VX0430WBS01	58135	12.02				
VX0430WBSD01	57970	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
Lab File ID: VY022095.D Date Analyzed: 05/01/2025
Instrument ID: MSVOA_Y Time Analyzed: 08:50
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	300031	7.71	433614	8.62	410078	11.42
UPPER LIMIT	600062	8.207	867228	9.116	820156	11.92
LOWER LIMIT	150016	7.207	216807	8.116	205039	10.92
EPA SAMPLE NO.						
SS-1	324354	7.71	597762	8.62	534537	11.41
SS-91	377287	7.71	686536	8.62	618810	11.41
SS-2	334804	7.71	631024	8.62	599039	11.41
SS-3	334416	7.71	623746	8.62	568605	11.41
SS-4	329699	7.71	612320	8.62	536248	11.41
SS-5	348703	7.71	593175	8.62	525097	11.41
SS-6	546701	7.71	868396 *	8.62	697183	11.41
SS-8	521018	7.71	814848	8.62	583005	11.42
SS-8MS	342721	7.71	536963	8.62	334367	11.42
SS-8MSD	321965	7.71	519584	8.62	313382	11.42
VY0501SBL01	317996	7.71	585580	8.62	508953	11.42
VY0501SBS01	294485	7.71	452802	8.62	414235	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
Lab File ID: VY022095.D Date Analyzed: 05/01/2025
Instrument ID: MSVOA_Y Time Analyzed: 08:50
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	227184	13.347				
UPPER LIMIT	454368	13.847				
LOWER LIMIT	113592	12.847				
EPA SAMPLE NO.						
SS-1	218119	13.35				
SS-91	255221	13.35				
SS-2	258914	13.35				
SS-3	236192	13.35				
SS-4	199649	13.35				
SS-5	237049	13.35				
SS-6	327199	13.35				
SS-8	511573 *	13.35				
SS-8MS	378955	13.33				
SS-8MSD	398456	13.35				
VY0501SBL01	180066	13.35				
VY0501SBS01	225406	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
 Lab File ID: VY022170.D Date Analyzed: 05/06/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:14
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	239745	7.71	360580	8.62	331226	11.42
UPPER LIMIT	479490	8.213	721160	9.116	662452	11.92
LOWER LIMIT	119873	7.213	180290	8.116	165613	10.92
EPA SAMPLE NO.						
SS-9	197156	7.71	383574	8.62	339845	11.42
VY0506SBL01	251073	7.71	481164	8.62	415589	11.42
VY0506SBS01	219542	7.71	344933	8.62	314858	11.42

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914
 Lab File ID: VY022170.D Date Analyzed: 05/06/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:14
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	184988	13.346				
UPPER LIMIT	369976	13.846				
LOWER LIMIT	92494	12.846				
EPA SAMPLE NO.						
SS-9	120680	13.35				
VY0506SBL01	146510	13.35				
VY0506SBS01	170277	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith		Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY		Date Received:	
Client Sample ID:	VN0505MBL01	SDG No.:	Q1914	
Lab Sample ID:	VN0505MBL01	Matrix:	SOIL	
Analytical Method:	SW8260	% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086479.D	1		05/05/25 12:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	500	U	79.0	500	ug/Kg
108-88-3	Toluene	500	U	78.0	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	67.0	500	ug/Kg
1330-20-7	Total Xylenes	1500	U	202	1500	ug/Kg
98-82-8	Isopropylbenzene	500	U	78.0	500	ug/Kg
103-65-1	n-propylbenzene	500	U	73.0	500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	500	U	82.0	500	ug/Kg
98-06-6	tert-Butylbenzene	500	U	67.0	500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	500	U	64.0	500	ug/Kg
135-98-8	sec-Butylbenzene	500	U	66.0	500	ug/Kg
99-87-6	p-Isopropyltoluene	500	U	62.0	500	ug/Kg
104-51-8	n-Butylbenzene	500	U	150	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	60.5		70 - 134	121%	SPK: 50
2037-26-5	Toluene-d8	51.1		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		38 - 136	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	157000	8.224			
540-36-3	1,4-Difluorobenzene	299000	9.1			
3114-55-4	Chlorobenzene-d5	278000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	117000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith		Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY		Date Received:	
Client Sample ID:	VN0506MBL01	SDG No.:	Q1914	
Lab Sample ID:	VN0506MBL01	Matrix:	SOIL	
Analytical Method:	SW8260	% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086505.D	1		05/06/25 11:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	500	U	79.0	500	ug/Kg
108-88-3	Toluene	500	U	78.0	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	67.0	500	ug/Kg
1330-20-7	Total Xylenes	1500	U	202	1500	ug/Kg
98-82-8	Isopropylbenzene	500	U	78.0	500	ug/Kg
103-65-1	n-propylbenzene	500	U	73.0	500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	500	U	82.0	500	ug/Kg
98-06-6	tert-Butylbenzene	500	U	67.0	500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	500	U	64.0	500	ug/Kg
135-98-8	sec-Butylbenzene	500	U	66.0	500	ug/Kg
99-87-6	p-Isopropyltoluene	500	U	62.0	500	ug/Kg
104-51-8	n-Butylbenzene	500	U	150	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		63 - 155	94%	SPK: 50
1868-53-7	Dibromofluoromethane	60.6		70 - 134	121%	SPK: 50
2037-26-5	Toluene-d8	50.7		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		38 - 136	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	8.224			
540-36-3	1,4-Difluorobenzene	361000	9.1			
3114-55-4	Chlorobenzene-d5	339000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith		Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY		Date Received:	
Client Sample ID:	VX0430WBL01	SDG No.:	Q1914	
Lab Sample ID:	VX0430WBL01	Matrix:	Water	
Analytical Method:	SW8260	% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	
Soil Aliquot Vol:			uL	
GC Column:	DB-624UI	ID :	0.18	
Prep Method :		Level :	LOW	
		Final Vol:	5000	uL
		Test:	VOCMS Group3	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045987.D	1		04/30/25 10:55	VX043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.36	3.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
103-65-1	n-propylbenzene	1.00	U	0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.00	U	0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	1.00	U	0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.00	U	0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	1.00	U	0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	1.00	U	0.13	1.00	ug/L
104-51-8	n-Butylbenzene	1.00	U	0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.3		74 - 125	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	50.4		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	62300	5.544			
540-36-3	1,4-Difluorobenzene	125000	6.757			
3114-55-4	Chlorobenzene-d5	116000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	49800	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VY0501SBL01	SDG No.:	Q1914
Lab Sample ID:	VY0501SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022096.D	1		05/01/25 10:11	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	5.00	U	0.79	5.00	ug/Kg
108-88-3	Toluene	5.00	U	0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	15.0	U	2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	5.00	U	0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.00	U	0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	5.00	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.00	U	0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	5.00	U	0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	5.00	U	0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	5.00	U	1.50	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	47.8		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		38 - 136	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	318000	7.707			
540-36-3	1,4-Difluorobenzene	586000	8.615			
3114-55-4	Chlorobenzene-d5	509000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	180000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VY0506SBL01	SDG No.:	Q1914
Lab Sample ID:	VY0506SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022171.D	1		05/06/25 09:45	VY050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	5.00	U	0.79	5.00	ug/Kg
108-88-3	Toluene	5.00	U	0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	15.0	U	2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	5.00	U	0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.00	U	0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	5.00	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.00	U	0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	5.00	U	0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	5.00	U	0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	5.00	U	1.50	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.3		63 - 155	111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	48.2		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		38 - 136	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	251000	7.713			
540-36-3	1,4-Difluorobenzene	481000	8.616			
3114-55-4	Chlorobenzene-d5	416000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	147000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith		Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY		Date Received:	
Client Sample ID:	VN0505MBS01	SDG No.:	Q1914	
Lab Sample ID:	VN0505MBS01	Matrix:	SOIL	
Analytical Method:	SW8260	% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086491.D	1		05/05/25 17:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	2000		79.0	500	ug/Kg
108-88-3	Toluene	2000		78.0	500	ug/Kg
100-41-4	Ethyl Benzene	2100		67.0	500	ug/Kg
1330-20-7	Total Xylenes	6100		202	1500	ug/Kg
98-82-8	Isopropylbenzene	1900		78.0	500	ug/Kg
103-65-1	n-propylbenzene	1900		73.0	500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2000		82.0	500	ug/Kg
98-06-6	tert-Butylbenzene	2000		67.0	500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2000		64.0	500	ug/Kg
135-98-8	sec-Butylbenzene	2000		66.0	500	ug/Kg
99-87-6	p-Isopropyltoluene	2000		62.0	500	ug/Kg
104-51-8	n-Butylbenzene	1900		150	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	57.3		70 - 134	115%	SPK: 50
2037-26-5	Toluene-d8	50.8		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		38 - 136	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	8.224			
540-36-3	1,4-Difluorobenzene	324000	9.1			
3114-55-4	Chlorobenzene-d5	294000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith		Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY		Date Received:	
Client Sample ID:	VN0506MBS01	SDG No.:	Q1914	
Lab Sample ID:	VN0506MBS01	Matrix:	SOIL	
Analytical Method:	SW8260	% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086515.D	1		05/06/25 15:23	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	1800		79.0	500	ug/Kg
108-88-3	Toluene	1900		78.0	500	ug/Kg
100-41-4	Ethyl Benzene	1900		67.0	500	ug/Kg
1330-20-7	Total Xylenes	5800		202	1500	ug/Kg
98-82-8	Isopropylbenzene	1900		78.0	500	ug/Kg
103-65-1	n-propylbenzene	1800		73.0	500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	1900		82.0	500	ug/Kg
98-06-6	tert-Butylbenzene	1900		67.0	500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	1900		64.0	500	ug/Kg
135-98-8	sec-Butylbenzene	1900		66.0	500	ug/Kg
99-87-6	p-Isopropyltoluene	1900		62.0	500	ug/Kg
104-51-8	n-Butylbenzene	1700		150	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	57.7		70 - 134	115%	SPK: 50
2037-26-5	Toluene-d8	50.2		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		38 - 136	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	8.224			
540-36-3	1,4-Difluorobenzene	335000	9.1			
3114-55-4	Chlorobenzene-d5	293000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0430WBS01	SDG No.:	Q1914
Lab Sample ID:	VX0430WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045988.D	1		04/30/25 11:19	VX043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	20.2		0.15	1.00	ug/L
108-88-3	Toluene	20.2		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	20.6		0.13	1.00	ug/L
1330-20-7	Total Xylenes	63.5		0.36	3.00	ug/L
98-82-8	Isopropylbenzene	20.7		0.12	1.00	ug/L
103-65-1	n-propylbenzene	20.3		0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	21.1		0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	21.2		0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.7		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	21.2		0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.9		0.13	1.00	ug/L
104-51-8	n-Butylbenzene	20.1		0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	56.5		75 - 124	113%	SPK: 50
2037-26-5	Toluene-d8	52.1		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	79600	5.544			
540-36-3	1,4-Difluorobenzene	139000	6.757			
3114-55-4	Chlorobenzene-d5	123000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	58100	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VY0501SBS01	SDG No.:	Q1914
Lab Sample ID:	VY0501SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022097.D	1		05/01/25 10:42	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
108-88-3	Toluene	20.6		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.5		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	60.1		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	19.2		0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	19.5		0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	19.6		0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	19.0		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	19.5		0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	19.4		0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	19.4		0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	18.7		1.50	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.5		63 - 155	95%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	50.1		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		38 - 136	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	294000	7.707			
540-36-3	1,4-Difluorobenzene	453000	8.616			
3114-55-4	Chlorobenzene-d5	414000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	225000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VY0506SBS01	SDG No.:	Q1914
Lab Sample ID:	VY0506SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022172.D	1		05/06/25 10:17	VY050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	21.3		0.79	5.00	ug/Kg
108-88-3	Toluene	21.4		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	61.9		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	19.7		0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	20.6		0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	20.3		0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	19.5		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	20.6		0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	20.5		0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	20.2		0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	20.0		1.50	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	50.8		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		38 - 136	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	7.713			
540-36-3	1,4-Difluorobenzene	345000	8.616			
3114-55-4	Chlorobenzene-d5	315000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.347			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0430WBSD01	SDG No.:	Q1914
Lab Sample ID:	VX0430WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045989.D	1		04/30/25 11:46	VX043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	20.1		0.15	1.00	ug/L
108-88-3	Toluene	20.5		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	20.6		0.13	1.00	ug/L
1330-20-7	Total Xylenes	62.4		0.36	3.00	ug/L
98-82-8	Isopropylbenzene	20.1		0.12	1.00	ug/L
103-65-1	n-propylbenzene	19.8		0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	20.3		0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	20.6		0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.6		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	20.6		0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.7		0.13	1.00	ug/L
104-51-8	n-Butylbenzene	20.2		0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	56.5		75 - 124	113%	SPK: 50
2037-26-5	Toluene-d8	52.0		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		77 - 121	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	77100	5.544			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	120000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	58000	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-8MS	SDG No.:	Q1914
Lab Sample ID:	Q1914-10MS	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	6.83 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022115.D	1		05/01/25 18:23	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	58.5		0.63	4.00	ug/Kg
108-88-3	Toluene	820	E	0.62	4.00	ug/Kg
100-41-4	Ethyl Benzene	1400	E	0.53	4.00	ug/Kg
1330-20-7	Total Xylenes	7700	E	1.63	11.9	ug/Kg
98-82-8	Isopropylbenzene	400	E	0.62	4.00	ug/Kg
103-65-1	n-propylbenzene	570	E	0.58	4.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	750	E	0.65	4.00	ug/Kg
98-06-6	tert-Butylbenzene	14.1		0.53	4.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	1000	E	0.51	4.00	ug/Kg
135-98-8	sec-Butylbenzene	370	E	0.52	4.00	ug/Kg
99-87-6	p-Isopropyltoluene	240	E	0.49	4.00	ug/Kg
104-51-8	n-Butylbenzene	400	E	1.10	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.1		63 - 155	82%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		70 - 134	95%	SPK: 50
2037-26-5	Toluene-d8	110	*	74 - 123	225%	SPK: 50
460-00-4	4-Bromofluorobenzene	260	*	38 - 136	518%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	343000	7.707			
540-36-3	1,4-Difluorobenzene	537000	8.615			
3114-55-4	Chlorobenzene-d5	334000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	379000	13.328			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-8MSD	SDG No.:	Q1914
Lab Sample ID:	Q1914-11MSD	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	7.73 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022116.D	1		05/01/25 18:46	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	46.5		0.55	3.50	ug/Kg
108-88-3	Toluene	440	E	0.55	3.50	ug/Kg
100-41-4	Ethyl Benzene	1100	E	0.47	3.50	ug/Kg
1330-20-7	Total Xylenes	6500	E	1.44	10.5	ug/Kg
98-82-8	Isopropylbenzene	230	E	0.55	3.50	ug/Kg
103-65-1	n-propylbenzene	420	E	0.51	3.50	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	580	E	0.57	3.50	ug/Kg
98-06-6	tert-Butylbenzene	8.80		0.47	3.50	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	830	E	0.45	3.50	ug/Kg
135-98-8	sec-Butylbenzene	260	E	0.46	3.50	ug/Kg
99-87-6	p-Isopropyltoluene	180	E	0.43	3.50	ug/Kg
104-51-8	n-Butylbenzene	320	E	1.00	3.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	76.8	*	74 - 123	154%	SPK: 50
460-00-4	4-Bromofluorobenzene	170	*	38 - 136	336%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	322000	7.707			
540-36-3	1,4-Difluorobenzene	520000	8.615			
3114-55-4	Chlorobenzene-d5	313000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	398000	13.352			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN086277.D		RRF005 = VN086278.D		RRF010 = VN086279.D		
		RRF020 = VN086280.D		RRF050 = VN086281.D		RRF100 = VN086282.D		
COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	RRF	% RSD
Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.8
Toluene	1.003	0.963	0.865	0.941	0.892	0.895	0.927	5.6
Ethyl Benzene	2.210	2.112	1.873	2.028	1.918	1.941	2.014	6.4
m/p-Xylenes	0.809	0.795	0.705	0.757	0.727	0.734	0.754	5.4
o-Xylene	0.791	0.792	0.709	0.753	0.713	0.718	0.746	5.2
Isopropylbenzene	4.666	4.271	3.991	4.181	3.728	3.706	4.090	8.9
n-propylbenzene	5.366	5.072	4.629	4.862	4.488	4.501	4.820	7.3
1,3,5-Trimethylbenzene	3.800	3.518	3.178	3.418	3.083	3.088	3.348	8.5
tert-Butylbenzene	3.382	3.057	2.795	2.886	2.608	2.675	2.901	9.8
1,2,4-Trimethylbenzene	3.782	3.644	3.262	3.431	3.171	3.156	3.408	7.6
sec-Butylbenzene	4.451	4.309	3.897	3.991	3.763	3.729	4.023	7.3
p-Isopropyltoluene	3.603	3.487	3.174	3.290	3.158	3.185	3.316	5.6
n-Butylbenzene	3.209	3.013	2.746	2.921	2.838	2.910	2.939	5.4
1,2-Dichloroethane-d4		0.746	0.745	0.707	0.719	0.708	0.725	2.6
Dibromofluoromethane		0.267	0.255	0.230	0.215	0.194	0.232	12.8
Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.8
4-Bromofluorobenzene		0.459	0.456	0.421	0.459	0.467	0.452	4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914

Instrument ID: MSVOA_X Calibration Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:06 19:02

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX045525.D		RRF005 = VX045526.D		RRF020 = VX045527.D		
		RRF050 = VX045528.D		RRF100 = VX045529.D		RRF150 = VX045530.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Benzene	1.414	1.416	1.519	1.481	1.483	1.465	1.463	2.8
Toluene	0.817	0.866	0.939	0.910	0.905	0.875	0.885	4.8
Ethyl Benzene	1.608	1.819	2.002	2.007	1.993	2.053	1.914	8.9
m/p-Xylenes	0.594	0.669	0.732	0.728	0.723	0.729	0.696	7.9
o-Xylene	0.562	0.676	0.725	0.719	0.716	0.714	0.686	9.2
Isopropylbenzene	3.581	3.850	4.224	4.181	4.043	4.151	4.005	6.2
n-propylbenzene	3.734	4.346	5.012	4.896	4.819	4.872	4.613	10.6
1,3,5-Trimethylbenzene	2.931	3.119	3.571	3.511	3.367	3.371	3.312	7.3
tert-Butylbenzene	2.894	3.124	3.437	3.427	3.387	3.405	3.279	6.8
1,2,4-Trimethylbenzene	2.906	3.129	3.529	3.523	3.438	3.420	3.324	7.6
sec-Butylbenzene	3.195	3.828	4.316	4.300	4.232	4.292	4.027	11.1
p-Isopropyltoluene	2.734	3.157	3.515	3.524	3.506	3.484	3.320	9.6
n-Butylbenzene	2.117	2.486	2.974	3.160	3.256	3.283	2.879	16.5
1,2-Dichloroethane-d4		0.962	0.900	0.868	0.904	0.937	0.914	3.9
Dibromofluoromethane		0.372	0.342	0.345	0.353	0.362	0.355	3.5
Toluene-d8		1.257	1.233	1.214	1.230	1.257	1.238	1.5
4-Bromofluorobenzene		0.413	0.448	0.453	0.481	0.460	0.451	5.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY021953.D		RRF010 = VY021954.D		RRF020 = VY021955.D		
		RRF050 = VY021956.D		RRF100 = VY021957.D		RRF150 = VY021958.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3
Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.2
n-propylbenzene	3.708	3.996	3.778	3.977	4.258	4.152	3.978	5.3
1,3,5-Trimethylbenzene	2.467	2.757	2.614	2.800	2.978	2.898	2.752	6.8
tert-Butylbenzene	2.246	2.382	2.263	2.494	2.725	2.701	2.469	8.5
1,2,4-Trimethylbenzene	2.415	2.717	2.631	2.784	3.027	2.945	2.753	8
sec-Butylbenzene	3.254	3.724	3.409	3.602	3.898	3.786	3.612	6.7
p-Isopropyltoluene	2.717	3.016	2.869	3.094	3.386	3.321	3.067	8.4
n-Butylbenzene	2.477	2.790	2.545	2.742	2.976	2.919	2.742	7.2
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.485	1.541		3.77	20
Toluene	0.927	0.979		5.61	20
Ethyl Benzene	2.014	1.999		-0.75	20
m/p-Xylenes	0.754	0.772		2.39	20
o-Xylene	0.746	0.767		2.82	20
Isopropylbenzene	4.090	3.762		-8.02	20
n-propylbenzene	4.820	4.463		-7.41	20
1,3,5-Trimethylbenzene	3.348	3.185		-4.87	20
tert-Butylbenzene	2.901	2.643		-8.89	20
1,2,4-Trimethylbenzene	3.408	3.330		-2.29	20
sec-Butylbenzene	4.023	3.690		-8.28	20
p-Isopropyltoluene	3.316	3.176		-4.22	20
n-Butylbenzene	2.939	2.742		-6.7	20
1,2-Dichloroethane-d4	0.725	0.817		12.69	20
Dibromofluoromethane	0.232	0.264		13.79	20
Toluene-d8	1.240	1.280		3.23	20
4-Bromofluorobenzene	0.452	0.478		5.75	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914

Instrument ID: MSVOA_N Calibration Date/Time: 05/06/2025 10:35

Lab File ID: VN086504.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.485	1.462		-1.55	20
Toluene	0.927	0.953		2.81	20
Ethyl Benzene	2.014	1.981		-1.64	20
m/p-Xylenes	0.754	0.762		1.06	20
o-Xylene	0.746	0.762		2.14	20
Isopropylbenzene	4.090	3.729		-8.83	20
n-propylbenzene	4.820	4.382		-9.09	20
1,3,5-Trimethylbenzene	3.348	3.125		-6.66	20
tert-Butylbenzene	2.901	2.643		-8.89	20
1,2,4-Trimethylbenzene	3.408	3.236		-5.05	20
sec-Butylbenzene	4.023	3.668		-8.82	20
p-Isopropyltoluene	3.316	3.160		-4.7	20
n-Butylbenzene	2.939	2.699		-8.17	20
1,2-Dichloroethane-d4	0.725	0.698		-3.72	20
Dibromofluoromethane	0.232	0.250		7.76	20
Toluene-d8	1.240	1.178		-5	20
4-Bromofluorobenzene	0.452	0.460		1.77	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914

Instrument ID: MSVOA_X Calibration Date/Time: 04/30/2025 10:01

Lab File ID: VX045985.D Init. Calib. Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:06 19:02

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.463	1.629		11.35	20
Toluene	0.885	1.002		13.22	20
Ethyl Benzene	1.914	2.259		18.02	20
m/p-Xylenes	0.696	0.828		18.97	20
o-Xylene	0.686	0.796		16.03	20
Isopropylbenzene	4.005	4.466		11.51	20
n-propylbenzene	4.613	5.277		14.39	20
1,3,5-Trimethylbenzene	3.312	3.775		13.98	20
tert-Butylbenzene	3.279	3.730		13.75	20
1,2,4-Trimethylbenzene	3.324	3.798		14.26	20
sec-Butylbenzene	4.027	4.708		16.91	20
p-Isopropyltoluene	3.320	3.912		17.83	20
n-Butylbenzene	2.879	3.538		22.89	20
1,2-Dichloroethane-d4	0.914	0.976		6.78	20
Dibromofluoromethane	0.355	0.405		14.09	20
Toluene-d8	1.238	1.287		3.96	20
4-Bromofluorobenzene	0.451	0.514		13.97	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914

Instrument ID: MSVOA_Y Calibration Date/Time: 05/01/2025 08:50

Lab File ID: VY022095.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.387	1.370		-1.23	20
Toluene	0.898	0.925		3.01	20
Ethyl Benzene	1.829	1.811		-0.98	20
m/p-Xylenes	0.728	0.745		2.34	20
o-Xylene	0.671	0.676		0.75	20
Isopropylbenzene	3.341	3.204		-4.1	20
n-propylbenzene	3.978	3.849		-3.24	20
1,3,5-Trimethylbenzene	2.752	2.700		-1.89	20
tert-Butylbenzene	2.469	2.372		-3.93	20
1,2,4-Trimethylbenzene	2.753	2.737		-0.58	20
sec-Butylbenzene	3.612	3.524		-2.44	20
p-Isopropyltoluene	3.067	3.035		-1.04	20
n-Butylbenzene	2.742	2.631		-4.05	20
1,2-Dichloroethane-d4	0.462	0.431		-6.71	20
Dibromofluoromethane	0.330	0.335		1.51	20
Toluene-d8	1.245	1.270		2.01	20
4-Bromofluorobenzene	0.419	0.427		1.91	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914

Instrument ID: MSVOA_Y Calibration Date/Time: 05/06/2025 09:14

Lab File ID: VY022170.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.387	1.468		5.84	20
Toluene	0.898	0.976		8.69	20
Ethyl Benzene	1.829	2.031		11.04	20
m/p-Xylenes	0.728	0.817		12.23	20
o-Xylene	0.671	0.744		10.88	20
Isopropylbenzene	3.341	3.536		5.84	20
n-propylbenzene	3.978	4.340		9.1	20
1,3,5-Trimethylbenzene	2.752	2.992		8.72	20
tert-Butylbenzene	2.469	2.618		6.03	20
1,2,4-Trimethylbenzene	2.753	3.014		9.48	20
sec-Butylbenzene	3.612	3.931		8.83	20
p-Isopropyltoluene	3.067	3.352		9.29	20
n-Butylbenzene	2.742	3.028		10.43	20
1,2-Dichloroethane-d4	0.462	0.462		0	20
Dibromofluoromethane	0.330	0.334		1.21	20
Toluene-d8	1.245	1.283		3.05	20
4-Bromofluorobenzene	0.419	0.436		4.06	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.