CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O3645	**OrderDate:**	7/17/2023 9:31:59 AM
Client:	LaBella Associates P.C.	**Project:**	Mackenna Parcels
Contact:	Andrew T. Benkleman	**Location:**	I11,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O3645-01	**SB-02-(3-5)**	**SOIL**			**07/12/23**			**07/17/23**
			VOCMS Group1	8260D			07/17/23	
O3645-02	**SB-04-(1-5)**	**SOIL**			**07/12/23**			**07/17/23**
			VOCMS Group1	8260D			07/17/23	
O3645-03	**SB-07-(1-3)**	**SOIL**			**07/13/23**			**07/17/23**
			VOCMS Group1	8260D			07/17/23	
O3645-04	**SB-08-(0.5-2.0)**	**SOIL**			**07/13/23**			**07/17/23**
			VOCMS Group1	8260D			07/17/23	
O3645-06	**SB-10-(0.5-2.0)**	**SOIL**			**07/13/23**			**07/17/23**
			VOCMS Group1	8260D			07/17/23	
O3645-07	**DUP**	**SOIL**			**07/12/23**			**07/17/23**
			VOCMS Group1	8260D			07/18/23	
O3645-08	**RINSATE-BLANK**	**Water**			**07/12/23**			**07/17/23**
			VOCMS Group1	8260-Low			07/18/23	

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Hit Summary Sheet
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**SB-02-(3-5)**								
O3645-01	SB-02-(3-5)	SOIL	Cyclohexane		8.60		0.63	4.50	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	Methylcyclohexane		13.4		3.00	4.50	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	Benzene		1.90	J	0.59	4.50	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	Toluene		6.30		0.58	4.50	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	Ethyl Benzene		1.20	J	0.60	4.50	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	Total Xylenes		9.20	J	1.99	13.5	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	m/p-Xylenes		6.80	J	1.30	9.00	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	o-Xylene		2.40	J	0.69	4.50	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	1,3,5-Trimethylbenzene		1.70	J	0.57	4.50	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	1,2,4-Trimethylbenzene		4.90		0.60	4.50	ug/Kg
			Total Voc :		47.2				
O3645-01	SB-02-(3-5)	SOIL	Propane	*	8.80	J	0	0	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	Isobutane	*	9.20	J	0	0	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	Butane, 2-methyl-	*	23.1	J	0	0	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	Butane	*	20.3	J	0	0	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	Pentane	*	12.3	J	0	0	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	Octane	*	7.60	J	0	0	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	Heptane	*	9.40	J	0	0	ug/Kg
O3645-01	SB-02-(3-5)	SOIL	2-Ethyl-oxetane	*	17.8	J	0	0	ug/Kg
			Total Tics :		109				
			Total Concentration:		156				
Client ID:	**SB-04-(1-5)**								
O3645-02	SB-04-(1-5)	SOIL	Cyclohexane		1.80	J	0.57	4.10	ug/Kg
			Total Voc :		1.80				
O3645-02	SB-04-(1-5)	SOIL	2-Ethyl-oxetane	*	10.7	J	0	0	ug/Kg
			Total Tics :		10.7				
			Total Concentration:		12.5				
Client ID:	**SB-08-(0.5-2.0)**								
O3645-04	SB-08-(0.5-2.0)	SOIL	Cyclohexane		2.00	J	0.83	5.90	ug/Kg
			Total Voc :		2.00				
O3645-04	SB-08-(0.5-2.0)	SOIL	2-Ethyl-oxetane	*	9.70	J	0	0	ug/Kg
			Total Tics :		9.70				
			Total Concentration:		11.7				
Client ID:	**SB-10-(0.5-2.0)**								
O3645-06	SB-10-(0.5-2.0)	SOIL	Cyclohexane		2.10	J	0.85	6.10	ug/Kg
			Total Voc :		2.10				
O3645-06	SB-10-(0.5-2.0)	SOIL	n-Hexane	*	21.6	J	0	0	ug/Kg
O3645-06	SB-10-(0.5-2.0)	SOIL	1H-Indene, 1-methylene-	*	7.50	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Tics :		29.1				
			Total Concentration:		31.2				
Client ID:	**DUP**								
O3645-07	DUP	SOIL	Cyclohexane		6.20		0.73	5.20	ug/Kg
O3645-07	DUP	SOIL	Methylcyclohexane		6.90		3.50	5.20	ug/Kg
O3645-07	DUP	SOIL	Benzene		1.70	J	0.69	5.20	ug/Kg
O3645-07	DUP	SOIL	Toluene		4.90	J	0.68	5.20	ug/Kg
O3645-07	DUP	SOIL	Total Xylenes		6.00	J	2.30	15.7	ug/Kg
O3645-07	DUP	SOIL	m/p-Xylenes		4.40	J	1.50	10.5	ug/Kg
O3645-07	DUP	SOIL	o-Xylene		1.60	J	0.80	5.20	ug/Kg
O3645-07	DUP	SOIL	1,2,4-Trimethylbenzene		2.90	J	0.70	5.20	ug/Kg
			Total Voc :		28.6				
O3645-07	DUP	SOIL	Propane	*	7.90	J	0	0	ug/Kg
O3645-07	DUP	SOIL	Isobutane	*	6.70	J	0	0	ug/Kg
O3645-07	DUP	SOIL	Butane, 2-methyl-	*	16.7	J	0	0	ug/Kg
O3645-07	DUP	SOIL	Butane	*	16.5	J	0	0	ug/Kg
O3645-07	DUP	SOIL	Pentane	*	8.40	J	0	0	ug/Kg
O3645-07	DUP	SOIL	n-Hexane	*	14.5	J	0	0	ug/Kg
			Total Tics :		70.7				
			Total Concentration:		99.3				

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SAMPLE DATA

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-02-(3-5)	SDG No.:	O3645
Lab Sample ID:	O3645-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.3
Sample Wt/Vol:	6.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076751.D	1		07/17/23 13:36	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.50	U	1.50	4.50	ug/Kg
74-87-3	Chloromethane	4.50	U	0.82	4.50	ug/Kg
75-01-4	Vinyl Chloride	4.50	U	0.84	4.50	ug/Kg
74-83-9	Bromomethane	4.50	U	1.10	4.50	ug/Kg
75-00-3	Chloroethane	4.50	U	0.79	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	4.50	U	0.95	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.50	U	0.65	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	4.50	U	0.71	4.50	ug/Kg
67-64-1	Acetone	22.5	U	8.40	22.5	ug/Kg
75-15-0	Carbon Disulfide	4.50	U	2.00	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.50	U	0.58	4.50	ug/Kg
79-20-9	Methyl Acetate	4.50	U	1.50	4.50	ug/Kg
75-09-2	Methylene Chloride	9.00	U	5.40	9.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.50	U	0.66	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	4.50	U	0.65	4.50	ug/Kg
110-82-7	Cyclohexane	8.60		0.63	4.50	ug/Kg
78-93-3	2-Butanone	22.5	U	6.50	22.5	ug/Kg
56-23-5	Carbon Tetrachloride	4.50	U	0.70	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.50	U	0.57	4.50	ug/Kg
74-97-5	Bromochloromethane	4.50	U	2.10	4.50	ug/Kg
67-66-3	Chloroform	4.50	U	1.20	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.50	U	0.68	4.50	ug/Kg
108-87-2	Methylcyclohexane	13.4		3.00	4.50	ug/Kg
71-43-2	Benzene	1.90	J	0.59	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	4.50	U	0.65	4.50	ug/Kg
79-01-6	Trichloroethene	4.50	U	0.59	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	4.50	U	0.53	4.50	ug/Kg
75-27-4	Bromodichloromethane	4.50	U	0.63	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	22.5	U	4.10	22.5	ug/Kg
108-88-3	Toluene	6.30		0.58	4.50	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.50	U	0.69	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.50	U	0.66	4.50	ug/Kg

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-02-(3-5)	SDG No.:	O3645
Lab Sample ID:	O3645-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.3
Sample Wt/Vol:	6.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076751.D	1		07/17/23 13:36	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	4.50	U	0.77	4.50	ug/Kg
591-78-6	2-Hexanone	22.5	U	4.70	22.5	ug/Kg
124-48-1	Dibromochloromethane	4.50	U	0.76	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	4.50	U	0.71	4.50	ug/Kg
127-18-4	Tetrachloroethene	4.50	U	0.69	4.50	ug/Kg
108-90-7	Chlorobenzene	4.50	U	0.57	4.50	ug/Kg
100-41-4	Ethyl Benzene	1.20	J	0.60	4.50	ug/Kg
179601-23-1	m/p-Xylenes	6.80	J	1.30	9.00	ug/Kg
1330-20-7	Total Xylenes	9.20	J	1.99	13.5	ug/Kg
95-47-6	o-Xylene	2.40	J	0.69	4.50	ug/Kg
100-42-5	Styrene	4.50	U	0.62	4.50	ug/Kg
75-25-2	Bromoform	4.50	U	0.85	4.50	ug/Kg
98-82-8	Isopropylbenzene	4.50	U	0.64	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.50	U	0.96	4.50	ug/Kg
103-65-1	n-propylbenzene	4.50	U	0.63	4.50	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	1.70	J	0.57	4.50	ug/Kg
98-06-6	tert-Butylbenzene	4.50	U	0.69	4.50	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.90		0.60	4.50	ug/Kg
135-98-8	sec-Butylbenzene	4.50	U	0.69	4.50	ug/Kg
99-87-6	p-Isopropyltoluene	4.50	U	0.66	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.50	U	0.61	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.50	U	0.54	4.50	ug/Kg
104-51-8	n-Butylbenzene	4.50	U	0.61	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.50	U	0.54	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.50	U	1.10	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.50	U	0.55	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.50	U	0.57	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.1		50 - 163	114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		54 - 147	106%	SPK: 50
2037-26-5	Toluene-d8	55.3		58 - 134	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		30 - 143	110%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-02-(3-5)	SDG No.:	O3645
Lab Sample ID:	O3645-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.3
Sample Wt/Vol:	6.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076751.D	1		07/17/23 13:36	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	185000	7.875			
540-36-3	1,4-Difluorobenzene	404000	8.775			
3114-55-4	Chlorobenzene-d5	401000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	188000	13.516			
TENTATIVE IDENTIFIED COMPOUNDS						
000074-98-6	Propane	8.80	J		1.89	ug/Kg
000075-28-5	Isobutane	9.20	J		2.10	ug/Kg
000106-97-8	Butane	20.3	J		2.27	ug/Kg
000078-78-4	Butane, 2-methyl-	23.1	J		2.94	ug/Kg
000109-66-0	Pentane	12.3	J		3.29	ug/Kg
1010386-40-2	2-Ethyl-oxetane	17.8	J		5.84	ug/Kg
000142-82-5	Heptane	9.40	J		8.63	ug/Kg
000111-65-9	Octane	7.60	J		10.5	ug/Kg

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-04-(1-5)	SDG No.:	O3645
Lab Sample ID:	O3645-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076752.D	1		07/17/23 14:04	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.10	U	1.30	4.10	ug/Kg
74-87-3	Chloromethane	4.10	U	0.74	4.10	ug/Kg
75-01-4	Vinyl Chloride	4.10	U	0.76	4.10	ug/Kg
74-83-9	Bromomethane	4.10	U	0.98	4.10	ug/Kg
75-00-3	Chloroethane	4.10	U	0.72	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	4.10	U	0.86	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.10	U	0.59	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	4.10	U	0.64	4.10	ug/Kg
67-64-1	Acetone	20.3	U	7.60	20.3	ug/Kg
75-15-0	Carbon Disulfide	4.10	U	1.80	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.10	U	0.53	4.10	ug/Kg
79-20-9	Methyl Acetate	4.10	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	8.10	U	4.90	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.10	U	0.59	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	4.10	U	0.59	4.10	ug/Kg
110-82-7	Cyclohexane	1.80	J	0.57	4.10	ug/Kg
78-93-3	2-Butanone	20.3	U	5.90	20.3	ug/Kg
56-23-5	Carbon Tetrachloride	4.10	U	0.63	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.10	U	0.52	4.10	ug/Kg
74-97-5	Bromochloromethane	4.10	U	1.90	4.10	ug/Kg
67-66-3	Chloroform	4.10	U	1.10	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.10	U	0.62	4.10	ug/Kg
108-87-2	Methylcyclohexane	4.10	U	2.70	4.10	ug/Kg
71-43-2	Benzene	4.10	U	0.54	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	4.10	U	0.59	4.10	ug/Kg
79-01-6	Trichloroethene	4.10	U	0.54	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	4.10	U	0.48	4.10	ug/Kg
75-27-4	Bromodichloromethane	4.10	U	0.57	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	20.3	U	3.70	20.3	ug/Kg
108-88-3	Toluene	4.10	U	0.53	4.10	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.10	U	0.63	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.10	U	0.60	4.10	ug/Kg

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-04-(1-5)	SDG No.:	O3645
Lab Sample ID:	O3645-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076752.D	1		07/17/23 14:04	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	4.10	U	0.70	4.10	ug/Kg
591-78-6	2-Hexanone	20.3	U	4.30	20.3	ug/Kg
124-48-1	Dibromochloromethane	4.10	U	0.69	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	4.10	U	0.64	4.10	ug/Kg
127-18-4	Tetrachloroethene	4.10	U	0.63	4.10	ug/Kg
108-90-7	Chlorobenzene	4.10	U	0.51	4.10	ug/Kg
100-41-4	Ethyl Benzene	4.10	U	0.54	4.10	ug/Kg
179601-23-1	m/p-Xylenes	8.10	U	1.20	8.10	ug/Kg
1330-20-7	Total Xylenes	12.2	U	1.83	12.2	ug/Kg
95-47-6	o-Xylene	4.10	U	0.63	4.10	ug/Kg
100-42-5	Styrene	4.10	U	0.56	4.10	ug/Kg
75-25-2	Bromoform	4.10	U	0.77	4.10	ug/Kg
98-82-8	Isopropylbenzene	4.10	U	0.58	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.10	U	0.87	4.10	ug/Kg
103-65-1	n-propylbenzene	4.10	U	0.57	4.10	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	4.10	U	0.52	4.10	ug/Kg
98-06-6	tert-Butylbenzene	4.10	U	0.63	4.10	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.10	U	0.54	4.10	ug/Kg
135-98-8	sec-Butylbenzene	4.10	U	0.63	4.10	ug/Kg
99-87-6	p-Isopropyltoluene	4.10	U	0.60	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.10	U	0.55	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.10	U	0.49	4.10	ug/Kg
104-51-8	n-Butylbenzene	4.10	U	0.55	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.10	U	0.49	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.10	U	0.97	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.10	U	0.50	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.10	U	0.51	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.0		50 - 163	116%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		54 - 147	108%	SPK: 50
2037-26-5	Toluene-d8	55.7		58 - 134	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.7		30 - 143	113%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-04-(1-5)	SDG No.:	O3645
Lab Sample ID:	O3645-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076752.D	1		07/17/23 14:04	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	172000	7.875			
540-36-3	1,4-Difluorobenzene	366000	8.775			
3114-55-4	Chlorobenzene-d5	369000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	171000	13.516			
TENTATIVE IDENTIFIED COMPOUNDS						
1010386-40-2	2-Ethyl-oxetane	10.7	J		5.83	ug/Kg

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/13/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-07-(1-3)	SDG No.:	O3645
Lab Sample ID:	O3645-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.5
Sample Wt/Vol:	5.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076753.D	1		07/17/23 14:32	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	5.50	U	1.80	5.50	ug/Kg
74-87-3	Chloromethane	5.50	U	1.00	5.50	ug/Kg
75-01-4	Vinyl Chloride	5.50	U	1.00	5.50	ug/Kg
74-83-9	Bromomethane	5.50	U	1.30	5.50	ug/Kg
75-00-3	Chloroethane	5.50	U	0.96	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	5.50	U	1.20	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.50	U	0.79	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	5.50	U	0.87	5.50	ug/Kg
67-64-1	Acetone	27.4	U	10.3	27.4	ug/Kg
75-15-0	Carbon Disulfide	5.50	U	2.40	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.50	U	0.71	5.50	ug/Kg
79-20-9	Methyl Acetate	5.50	U	1.80	5.50	ug/Kg
75-09-2	Methylene Chloride	11.0	U	6.60	11.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.50	U	0.80	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	5.50	U	0.79	5.50	ug/Kg
110-82-7	Cyclohexane	5.50	U	0.77	5.50	ug/Kg
78-93-3	2-Butanone	27.4	U	8.00	27.4	ug/Kg
56-23-5	Carbon Tetrachloride	5.50	U	0.85	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.50	U	0.70	5.50	ug/Kg
74-97-5	Bromochloromethane	5.50	U	2.60	5.50	ug/Kg
67-66-3	Chloroform	5.50	U	1.40	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.50	U	0.83	5.50	ug/Kg
108-87-2	Methylcyclohexane	5.50	U	3.70	5.50	ug/Kg
71-43-2	Benzene	5.50	U	0.72	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	5.50	U	0.79	5.50	ug/Kg
79-01-6	Trichloroethene	5.50	U	0.72	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	5.50	U	0.65	5.50	ug/Kg
75-27-4	Bromodichloromethane	5.50	U	0.77	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	27.4	U	4.90	27.4	ug/Kg
108-88-3	Toluene	5.50	U	0.71	5.50	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.50	U	0.84	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.50	U	0.81	5.50	ug/Kg

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/13/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-07-(1-3)	SDG No.:	O3645
Lab Sample ID:	O3645-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.5
Sample Wt/Vol:	5.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076753.D	1		07/17/23 14:32	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	5.50	U	0.94	5.50	ug/Kg
591-78-6	2-Hexanone	27.4	U	5.80	27.4	ug/Kg
124-48-1	Dibromochloromethane	5.50	U	0.93	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	5.50	U	0.87	5.50	ug/Kg
127-18-4	Tetrachloroethene	5.50	U	0.84	5.50	ug/Kg
108-90-7	Chlorobenzene	5.50	U	0.69	5.50	ug/Kg
100-41-4	Ethyl Benzene	5.50	U	0.73	5.50	ug/Kg
179601-23-1	m/p-Xylenes	11.0	U	1.60	11.0	ug/Kg
1330-20-7	Total Xylenes	16.5	U	2.44	16.5	ug/Kg
95-47-6	o-Xylene	5.50	U	0.84	5.50	ug/Kg
100-42-5	Styrene	5.50	U	0.76	5.50	ug/Kg
75-25-2	Bromoform	5.50	U	1.00	5.50	ug/Kg
98-82-8	Isopropylbenzene	5.50	U	0.78	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.50	U	1.20	5.50	ug/Kg
103-65-1	n-propylbenzene	5.50	U	0.77	5.50	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.50	U	0.70	5.50	ug/Kg
98-06-6	tert-Butylbenzene	5.50	U	0.84	5.50	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.50	U	0.73	5.50	ug/Kg
135-98-8	sec-Butylbenzene	5.50	U	0.84	5.50	ug/Kg
99-87-6	p-Isopropyltoluene	5.50	U	0.81	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.50	U	0.75	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.50	U	0.66	5.50	ug/Kg
104-51-8	n-Butylbenzene	5.50	U	0.75	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.50	U	0.66	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.50	U	1.30	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.50	U	0.67	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.50	U	0.69	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.1		50 - 163	116%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	55.2		58 - 134	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		30 - 143	100%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/13/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-07-(1-3)	SDG No.:	O3645
Lab Sample ID:	O3645-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.5
Sample Wt/Vol:	5.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076753.D	1		07/17/23 14:32	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	151000	7.875			
540-36-3	1,4-Difluorobenzene	332000	8.781			
3114-55-4	Chlorobenzene-d5	315000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.516			

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/13/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-08-(0.5-2.0)	SDG No.:	O3645
Lab Sample ID:	O3645-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	74.6
Sample Wt/Vol:	5.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076754.D	1		07/17/23 15:01	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	5.90	U	1.90	5.90	ug/Kg
74-87-3	Chloromethane	5.90	U	1.10	5.90	ug/Kg
75-01-4	Vinyl Chloride	5.90	U	1.10	5.90	ug/Kg
74-83-9	Bromomethane	5.90	U	1.40	5.90	ug/Kg
75-00-3	Chloroethane	5.90	U	1.00	5.90	ug/Kg
75-69-4	Trichlorofluoromethane	5.90	U	1.30	5.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.90	U	0.85	5.90	ug/Kg
75-35-4	1,1-Dichloroethene	5.90	U	0.93	5.90	ug/Kg
67-64-1	Acetone	29.6	U	11.1	29.6	ug/Kg
75-15-0	Carbon Disulfide	5.90	U	2.60	5.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.90	U	0.77	5.90	ug/Kg
79-20-9	Methyl Acetate	5.90	U	1.90	5.90	ug/Kg
75-09-2	Methylene Chloride	11.8	U	7.20	11.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.90	U	0.86	5.90	ug/Kg
75-34-3	1,1-Dichloroethane	5.90	U	0.85	5.90	ug/Kg
110-82-7	Cyclohexane	2.00	J	0.83	5.90	ug/Kg
78-93-3	2-Butanone	29.6	U	8.60	29.6	ug/Kg
56-23-5	Carbon Tetrachloride	5.90	U	0.92	5.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.90	U	0.76	5.90	ug/Kg
74-97-5	Bromochloromethane	5.90	U	2.80	5.90	ug/Kg
67-66-3	Chloroform	5.90	U	1.60	5.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.90	U	0.90	5.90	ug/Kg
108-87-2	Methylcyclohexane	5.90	U	4.00	5.90	ug/Kg
71-43-2	Benzene	5.90	U	0.78	5.90	ug/Kg
107-06-2	1,2-Dichloroethane	5.90	U	0.85	5.90	ug/Kg
79-01-6	Trichloroethene	5.90	U	0.78	5.90	ug/Kg
78-87-5	1,2-Dichloropropane	5.90	U	0.70	5.90	ug/Kg
75-27-4	Bromodichloromethane	5.90	U	0.83	5.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	29.6	U	5.30	29.6	ug/Kg
108-88-3	Toluene	5.90	U	0.77	5.90	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.90	U	0.91	5.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.90	U	0.87	5.90	ug/Kg

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/13/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-08-(0.5-2.0)	SDG No.:	O3645
Lab Sample ID:	O3645-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	74.6
Sample Wt/Vol:	5.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076754.D	1		07/17/23 15:01	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	5.90	U	1.00	5.90	ug/Kg
591-78-6	2-Hexanone	29.6	U	6.20	29.6	ug/Kg
124-48-1	Dibromochloromethane	5.90	U	1.00	5.90	ug/Kg
106-93-4	1,2-Dibromoethane	5.90	U	0.93	5.90	ug/Kg
127-18-4	Tetrachloroethene	5.90	U	0.91	5.90	ug/Kg
108-90-7	Chlorobenzene	5.90	U	0.74	5.90	ug/Kg
100-41-4	Ethyl Benzene	5.90	U	0.79	5.90	ug/Kg
179601-23-1	m/p-Xylenes	11.8	U	1.70	11.8	ug/Kg
1330-20-7	Total Xylenes	17.7	U	2.61	17.7	ug/Kg
95-47-6	o-Xylene	5.90	U	0.91	5.90	ug/Kg
100-42-5	Styrene	5.90	U	0.82	5.90	ug/Kg
75-25-2	Bromoform	5.90	U	1.10	5.90	ug/Kg
98-82-8	Isopropylbenzene	5.90	U	0.84	5.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.90	U	1.30	5.90	ug/Kg
103-65-1	n-propylbenzene	5.90	U	0.83	5.90	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.90	U	0.76	5.90	ug/Kg
98-06-6	tert-Butylbenzene	5.90	U	0.91	5.90	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.90	U	0.79	5.90	ug/Kg
135-98-8	sec-Butylbenzene	5.90	U	0.91	5.90	ug/Kg
99-87-6	p-Isopropyltoluene	5.90	U	0.87	5.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.90	U	0.80	5.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.90	U	0.71	5.90	ug/Kg
104-51-8	n-Butylbenzene	5.90	U	0.80	5.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.90	U	0.71	5.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.90	U	1.40	5.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.90	U	0.72	5.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.90	U	0.74	5.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.5		50 - 163	131%	SPK: 50
1868-53-7	Dibromofluoromethane	55.4		54 - 147	111%	SPK: 50
2037-26-5	Toluene-d8	54.8		58 - 134	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.7		30 - 143	81%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/13/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-08-(0.5-2.0)	SDG No.:	O3645
Lab Sample ID:	O3645-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	74.6
Sample Wt/Vol:	5.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076754.D	1		07/17/23 15:01	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	151000	7.875			
540-36-3	1,4-Difluorobenzene	339000	8.775			
3114-55-4	Chlorobenzene-d5	298000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	92300	13.516			
TENTATIVE IDENTIFIED COMPOUNDS						
1010386-40-2	2-Ethyl-oxetane	9.70	J		5.84	ug/Kg

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/13/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-10-(0.5-2.0)	SDG No.:	O3645
Lab Sample ID:	O3645-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.3
Sample Wt/Vol:	4.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076756.D	1		07/17/23 15:57	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	6.10	U	2.00	6.10	ug/Kg
74-87-3	Chloromethane	6.10	U	1.10	6.10	ug/Kg
75-01-4	Vinyl Chloride	6.10	U	1.10	6.10	ug/Kg
74-83-9	Bromomethane	6.10	U	1.50	6.10	ug/Kg
75-00-3	Chloroethane	6.10	U	1.10	6.10	ug/Kg
75-69-4	Trichlorofluoromethane	6.10	U	1.30	6.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.10	U	0.88	6.10	ug/Kg
75-35-4	1,1-Dichloroethene	6.10	U	0.96	6.10	ug/Kg
67-64-1	Acetone	30.5	U	11.4	30.5	ug/Kg
75-15-0	Carbon Disulfide	6.10	U	2.70	6.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.10	U	0.79	6.10	ug/Kg
79-20-9	Methyl Acetate	6.10	U	2.00	6.10	ug/Kg
75-09-2	Methylene Chloride	12.2	U	7.40	12.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.10	U	0.89	6.10	ug/Kg
75-34-3	1,1-Dichloroethane	6.10	U	0.88	6.10	ug/Kg
110-82-7	Cyclohexane	2.10	J	0.85	6.10	ug/Kg
78-93-3	2-Butanone	30.5	U	8.90	30.5	ug/Kg
56-23-5	Carbon Tetrachloride	6.10	U	0.95	6.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.10	U	0.78	6.10	ug/Kg
74-97-5	Bromochloromethane	6.10	U	2.90	6.10	ug/Kg
67-66-3	Chloroform	6.10	U	1.60	6.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.10	U	0.93	6.10	ug/Kg
108-87-2	Methylcyclohexane	6.10	U	4.10	6.10	ug/Kg
71-43-2	Benzene	6.10	U	0.81	6.10	ug/Kg
107-06-2	1,2-Dichloroethane	6.10	U	0.88	6.10	ug/Kg
79-01-6	Trichloroethene	6.10	U	0.81	6.10	ug/Kg
78-87-5	1,2-Dichloropropane	6.10	U	0.72	6.10	ug/Kg
75-27-4	Bromodichloromethane	6.10	U	0.85	6.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	30.5	U	5.50	30.5	ug/Kg
108-88-3	Toluene	6.10	U	0.79	6.10	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.10	U	0.94	6.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.10	U	0.90	6.10	ug/Kg

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/13/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-10-(0.5-2.0)	SDG No.:	O3645
Lab Sample ID:	O3645-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.3
Sample Wt/Vol:	4.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076756.D	1		07/17/23 15:57	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	6.10	U	1.00	6.10	ug/Kg
591-78-6	2-Hexanone	30.5	U	6.40	30.5	ug/Kg
124-48-1	Dibromochloromethane	6.10	U	1.00	6.10	ug/Kg
106-93-4	1,2-Dibromoethane	6.10	U	0.96	6.10	ug/Kg
127-18-4	Tetrachloroethene	6.10	U	0.94	6.10	ug/Kg
108-90-7	Chlorobenzene	6.10	U	0.77	6.10	ug/Kg
100-41-4	Ethyl Benzene	6.10	U	0.82	6.10	ug/Kg
179601-23-1	m/p-Xylenes	12.2	U	1.70	12.2	ug/Kg
1330-20-7	Total Xylenes	18.3	U	2.64	18.3	ug/Kg
95-47-6	o-Xylene	6.10	U	0.94	6.10	ug/Kg
100-42-5	Styrene	6.10	U	0.84	6.10	ug/Kg
75-25-2	Bromoform	6.10	U	1.20	6.10	ug/Kg
98-82-8	Isopropylbenzene	6.10	U	0.87	6.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.10	U	1.30	6.10	ug/Kg
103-65-1	n-propylbenzene	6.10	U	0.85	6.10	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	6.10	U	0.78	6.10	ug/Kg
98-06-6	tert-Butylbenzene	6.10	U	0.94	6.10	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	6.10	U	0.82	6.10	ug/Kg
135-98-8	sec-Butylbenzene	6.10	U	0.94	6.10	ug/Kg
99-87-6	p-Isopropyltoluene	6.10	U	0.90	6.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.10	U	0.83	6.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.10	U	0.73	6.10	ug/Kg
104-51-8	n-Butylbenzene	6.10	U	0.83	6.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.10	U	0.73	6.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.10	U	1.50	6.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.10	U	0.74	6.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	6.10	U	0.77	6.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	67.1		50 - 163	134%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		54 - 147	109%	SPK: 50
2037-26-5	Toluene-d8	56.1		58 - 134	112%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		30 - 143	107%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/13/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-10-(0.5-2.0)	SDG No.:	O3645
Lab Sample ID:	O3645-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.3
Sample Wt/Vol:	4.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076756.D	1		07/17/23 15:57	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	134000	7.875			
540-36-3	1,4-Difluorobenzene	311000	8.775			
3114-55-4	Chlorobenzene-d5	308000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.516			
TENTATIVE IDENTIFIED COMPOUNDS						
000110-54-3	n-Hexane	21.6	J		5.84	ug/Kg
002471-84-3	1H-Indene, 1-methylene-	7.50	J		15.3	ug/Kg

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	DUP	SDG No.:	O3645
Lab Sample ID:	O3645-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.8
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076777.D	1		07/18/23 14:49	VD071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	5.20	U	1.70	5.20	ug/Kg
74-87-3	Chloromethane	5.20	U	0.95	5.20	ug/Kg
75-01-4	Vinyl Chloride	5.20	U	0.97	5.20	ug/Kg
74-83-9	Bromomethane	5.20	U	1.30	5.20	ug/Kg
75-00-3	Chloroethane	5.20	U	0.92	5.20	ug/Kg
75-69-4	Trichlorofluoromethane	5.20	U	1.10	5.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.20	U	0.75	5.20	ug/Kg
75-35-4	1,1-Dichloroethene	5.20	U	0.83	5.20	ug/Kg
67-64-1	Acetone	26.1	U	9.80	26.1	ug/Kg
75-15-0	Carbon Disulfide	5.20	U	2.30	5.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.20	U	0.68	5.20	ug/Kg
79-20-9	Methyl Acetate	5.20	U	1.70	5.20	ug/Kg
75-09-2	Methylene Chloride	10.5	U	6.30	10.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.20	U	0.76	5.20	ug/Kg
75-34-3	1,1-Dichloroethane	5.20	U	0.75	5.20	ug/Kg
110-82-7	Cyclohexane	6.20		0.73	5.20	ug/Kg
78-93-3	2-Butanone	26.1	U	7.60	26.1	ug/Kg
56-23-5	Carbon Tetrachloride	5.20	U	0.82	5.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.20	U	0.67	5.20	ug/Kg
74-97-5	Bromochloromethane	5.20	U	2.50	5.20	ug/Kg
67-66-3	Chloroform	5.20	U	1.40	5.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.20	U	0.79	5.20	ug/Kg
108-87-2	Methylcyclohexane	6.90		3.50	5.20	ug/Kg
71-43-2	Benzene	1.70	J	0.69	5.20	ug/Kg
107-06-2	1,2-Dichloroethane	5.20	U	0.75	5.20	ug/Kg
79-01-6	Trichloroethene	5.20	U	0.69	5.20	ug/Kg
78-87-5	1,2-Dichloropropane	5.20	U	0.62	5.20	ug/Kg
75-27-4	Bromodichloromethane	5.20	U	0.73	5.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26.1	U	4.70	26.1	ug/Kg
108-88-3	Toluene	4.90	J	0.68	5.20	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.20	U	0.80	5.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.20	U	0.77	5.20	ug/Kg

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	DUP	SDG No.:	O3645
Lab Sample ID:	O3645-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.8
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076777.D	1		07/18/23 14:49	VD071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	5.20	U	0.90	5.20	ug/Kg
591-78-6	2-Hexanone	26.1	U	5.50	26.1	ug/Kg
124-48-1	Dibromochloromethane	5.20	U	0.89	5.20	ug/Kg
106-93-4	1,2-Dibromoethane	5.20	U	0.83	5.20	ug/Kg
127-18-4	Tetrachloroethene	5.20	U	0.80	5.20	ug/Kg
108-90-7	Chlorobenzene	5.20	U	0.66	5.20	ug/Kg
100-41-4	Ethyl Benzene	5.20	U	0.70	5.20	ug/Kg
179601-23-1	m/p-Xylenes	4.40	J	1.50	10.5	ug/Kg
1330-20-7	Total Xylenes	6.00	J	2.30	15.7	ug/Kg
95-47-6	o-Xylene	1.60	J	0.80	5.20	ug/Kg
100-42-5	Styrene	5.20	U	0.72	5.20	ug/Kg
75-25-2	Bromoform	5.20	U	0.99	5.20	ug/Kg
98-82-8	Isopropylbenzene	5.20	U	0.74	5.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.20	U	1.10	5.20	ug/Kg
103-65-1	n-propylbenzene	5.20	U	0.73	5.20	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.20	U	0.67	5.20	ug/Kg
98-06-6	tert-Butylbenzene	5.20	U	0.80	5.20	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2.90	J	0.70	5.20	ug/Kg
135-98-8	sec-Butylbenzene	5.20	U	0.80	5.20	ug/Kg
99-87-6	p-Isopropyltoluene	5.20	U	0.77	5.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.20	U	0.71	5.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.20	U	0.63	5.20	ug/Kg
104-51-8	n-Butylbenzene	5.20	U	0.71	5.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.20	U	0.63	5.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.20	U	1.20	5.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.20	U	0.64	5.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.20	U	0.66	5.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.8		50 - 163	128%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		54 - 147	103%	SPK: 50
2037-26-5	Toluene-d8	55.8		58 - 134	112%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		30 - 143	98%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	DUP	SDG No.:	O3645
Lab Sample ID:	O3645-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.8
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076777.D	1		07/18/23 14:49	VD071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	148000	7.875			
540-36-3	1,4-Difluorobenzene	355000	8.775			
3114-55-4	Chlorobenzene-d5	329000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.516			
TENTATIVE IDENTIFIED COMPOUNDS						
000074-98-6	Propane	7.90	J		1.89	ug/Kg
000075-28-5	Isobutane	6.70	J		2.10	ug/Kg
000106-97-8	Butane	16.5	J		2.27	ug/Kg
000078-78-4	Butane, 2-methyl-	16.7	J		2.93	ug/Kg
000109-66-0	Pentane	8.40	J		3.30	ug/Kg
000110-54-3	n-Hexane	14.5	J		5.83	ug/Kg

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	RINSATE-BLANK	SDG No.:	O3645
Lab Sample ID:	O3645-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN078566.D	1		07/18/23 17:16	VN071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	UQ	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UQ	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UQ	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	UQ	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	UQ	0.15	1.00	ug/L

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	RINSATE-BLANK	SDG No.:	O3645
Lab Sample ID:	O3645-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN078566.D	1		07/18/23 17:16	VN071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	UQ	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	UQ	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	UQ	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	UQ	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	UQ	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	UQ	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	UQ	0.31	2.00	ug/L
1330-20-7	Total Xylenes	3.00	UQ	0.46	3.00	ug/L
95-47-6	o-Xylene	1.00	UQ	0.15	1.00	ug/L
100-42-5	Styrene	1.00	UQ	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	UQ	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
103-65-1	n-propylbenzene	1.00	U	0.15	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.00	U	0.17	1.00	ug/L
98-06-6	tert-Butylbenzene	1.00	U	0.16	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.00	U	0.16	1.00	ug/L
135-98-8	sec-Butylbenzene	1.00	U	0.16	1.00	ug/L
99-87-6	p-Isopropyltoluene	1.00	U	0.16	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
104-51-8	n-Butylbenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		75 - 124	109%	SPK: 50
2037-26-5	Toluene-d8	44.7		86 - 113	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		64 - 133	102%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	RINSATE-BLANK	SDG No.:	O3645
Lab Sample ID:	O3645-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN078566.D	1		07/18/23 17:16	VN071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	401000	8.235			
540-36-3	1,4-Difluorobenzene	753000	9.106			
3114-55-4	Chlorobenzene-d5	694000	11.87			
3855-82-1	1,4-Dichlorobenzene-d4	243000	13.8			

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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Surrogate Summary

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
O3645-01	SB-02-(3-5)	1,2-Dichloroethane-d4	50	57.1	114	50	163
		Dibromofluoromethane	50	53.0	106	54	147
		Toluene-d8	50	55.3	111	58	134
		4-Bromofluorobenzene	50	55.2	110	30	143
O3645-02	SB-04-(1-5)	1,2-Dichloroethane-d4	50	58.0	116	50	163
		Dibromofluoromethane	50	53.8	108	54	147
		Toluene-d8	50	55.7	111	58	134
		4-Bromofluorobenzene	50	56.7	113	30	143
O3645-03	SB-07-(1-3)	1,2-Dichloroethane-d4	50	58.1	116	50	163
		Dibromofluoromethane	50	52.3	105	54	147
		Toluene-d8	50	55.2	110	58	134
		4-Bromofluorobenzene	50	50.1	100	30	143
O3645-04	SB-08-(0.5-2.0)	1,2-Dichloroethane-d4	50	65.5	131	50	163
		Dibromofluoromethane	50	55.4	111	54	147
		Toluene-d8	50	54.8	110	58	134
		4-Bromofluorobenzene	50	40.7	81	30	143
O3645-06	SB-10-(0.5-2.0)	1,2-Dichloroethane-d4	50	67.2	134	50	163
		Dibromofluoromethane	50	54.5	109	54	147
		Toluene-d8	50	56.1	112	58	134
		4-Bromofluorobenzene	50	53.5	107	30	143
O3645-07	DUP	1,2-Dichloroethane-d4	50	63.8	128	50	163
		Dibromofluoromethane	50	51.5	103	54	147
		Toluene-d8	50	55.8	112	58	134
		4-Bromofluorobenzene	50	49.0	98	30	143
O3645-09MS	SB-04-(1-5)MS	1,2-Dichloroethane-d4	50	56.7	113	50	163
		Dibromofluoromethane	50	54.7	109	54	147
		Toluene-d8	50	50.8	102	58	134
		4-Bromofluorobenzene	50	50.0	100	30	143
O3645-10MSD	SB-04-(1-5)MSD	1,2-Dichloroethane-d4	50	51.1	102	50	163
		Dibromofluoromethane	50	51.1	102	54	147
		Toluene-d8	50	48.0	96	58	134
		4-Bromofluorobenzene	50	47.3	95	30	143
VD0717SBL01	VD0717SBL01	1,2-Dichloroethane-d4	50	55.7	111	50	163
		Dibromofluoromethane	50	51.9	104	54	147
		Toluene-d8	50	55.0	110	58	134
		4-Bromofluorobenzene	50	54.6	109	30	143
VD0717SBS01	VD0717SBS01	1,2-Dichloroethane-d4	50	49.1	98	50	163
		Dibromofluoromethane	50	49.0	98	54	147
		Toluene-d8	50	47.3	95	58	134
		4-Bromofluorobenzene	50	48.4	97	30	143
VD0718SBL01	VD0718SBL01	1,2-Dichloroethane-d4	50	63.4	127	50	163
		Dibromofluoromethane	50	52.5	105	54	147
		Toluene-d8	50	55.2	110	58	134
		4-Bromofluorobenzene	50	49.1	98	30	143
VD0718SBS01	VD0718SBS01	1,2-Dichloroethane-d4	50	45.4	91	50	163
		Dibromofluoromethane	50	46.8	94	54	147
		Toluene-d8	50	44.8	90	58	134
		4-Bromofluorobenzene	50	45.5	91	30	143

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Surrogate Summary

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
O3645-08	RINSATE-BLANK	1,2-Dichloroethane-d4	50	50.8	102	74	125
		Dibromofluoromethane	50	54.3	109	75	124
		Toluene-d8	50	44.7	89	86	113
		4-Bromofluorobenzene	50	50.9	102	64	133
VN0718WBL01	VN0718WBL01	1,2-Dichloroethane-d4	50	48.5	97	74	125
		Dibromofluoromethane	50	56.7	113	75	124
		Toluene-d8	50	46.5	93	86	113
		4-Bromofluorobenzene	50	53.0	106	64	133
VN0718WBS02	VN0718WBS02	1,2-Dichloroethane-d4	50	54.0	108	74	125
		Dibromofluoromethane	50	53.4	107	75	124
		Toluene-d8	50	50.4	101	86	113
		4-Bromofluorobenzene	50	50.6	101	64	133
VN0718WBSD0	VN0718WBSD02	1,2-Dichloroethane-d4	50	50.0	100	74	125
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	48.6	97	86	113
		4-Bromofluorobenzene	50	48.4	97	64	133

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : O3645-09MS		**Client Sample ID : SB-04-(1-5)MS**						**Datafile :**	VD076762.D		
Dichlorodifluoromethane	44.4	0	41.9	ug/Kg	94				40	150	
Chloromethane	44.4	0	47.4	ug/Kg	107				24	175	
Vinyl chloride	44.4	0	44.9	ug/Kg	101				21	175	
Bromomethane	44.4	0	37.3	ug/Kg	84				46	150	
Chloroethane	44.4	0	45.5	ug/Kg	102				30	175	
Trichlorofluoromethane	44.4	0	42.7	ug/Kg	96				53	150	
1,1,2-Trichlorotrifluoroethane	44.4	0	42.5	ug/Kg	96				60	135	
1,1-Dichloroethene	44.4	0	42.7	ug/Kg	96				63	136	
Acetone	220	0	230	ug/Kg	105				41	175	
Carbon disulfide	44.4	0	43.3	ug/Kg	98				45	126	
Methyl tert-butyl Ether	44.4	0	45.5	ug/Kg	102				56	175	
Methyl Acetate	44.4	0	60.5	ug/Kg	136				32	175	
Methylene Chloride	44.4	0	54.3	ug/Kg	122				59	175	
trans-1,2-Dichloroethene	44.4	0	44.4	ug/Kg	100				63	137	
1,1-Dichloroethane	44.4	0	46.9	ug/Kg	106				62	154	
Cyclohexane	44.4	1.80	39.9	ug/Kg	86				41	131	
2-Butanone	220	0	230	ug/Kg	105				48	174	
Carbon Tetrachloride	44.4	0	43.7	ug/Kg	98				48	149	
cis-1,2-Dichloroethene	44.4	0	45.8	ug/Kg	103				59	153	
Bromochloromethane	44.4	0	47.5	ug/Kg	107				54	172	
Chloroform	44.4	0	47.0	ug/Kg	106				60	159	
1,1,1-Trichloroethane	44.4	0	46.3	ug/Kg	104				60	149	
Methylcyclohexane	44.4	0	41.4	ug/Kg	93				19	135	
Benzene	44.4	0	45.1	ug/Kg	102				59	140	
1,2-Dichloroethane	44.4	0	47.8	ug/Kg	108				63	153	
Trichloroethene	44.4	0	43.1	ug/Kg	97				45	154	
1,2-Dichloropropane	44.4	0	46.2	ug/Kg	104				67	141	
Bromodichloromethane	44.4	0	44.9	ug/Kg	101				54	160	
4-Methyl-2-Pentanone	220	0	230	ug/Kg	105				54	164	
Toluene	44.4	0	44.5	ug/Kg	100				61	134	
t-1,3-Dichloropropene	44.4	0	44.2	ug/Kg	100				47	155	
cis-1,3-Dichloropropene	44.4	0	44.0	ug/Kg	99				56	141	
1,1,2-Trichloroethane	44.4	0	46.2	ug/Kg	104				69	148	
2-Hexanone	220	0	220	ug/Kg	100				43	164	
Dibromochloromethane	44.4	0	46.3	ug/Kg	104				65	143	
1,2-Dibromoethane	44.4	0	45.3	ug/Kg	102				63	144	
Tetrachloroethene	44.4	0	62.9	ug/Kg	142				27	175	
Chlorobenzene	44.4	0	44.1	ug/Kg	99				66	127	
Ethyl Benzene	44.4	0	43.8	ug/Kg	99				54	134	
m/p-Xylenes	88.8	0	87.8	ug/Kg	99				51	137	
o-Xylene	44.4	0	44.1	ug/Kg	99				57	139	
Styrene	44.4	0	43.6	ug/Kg	98				47	136	
Bromoform	44.4	0	44.6	ug/Kg	100				64	144	
Isopropylbenzene	44.4	0	45.6	ug/Kg	103				44	160	
1,1,2,2-Tetrachloroethane	44.4	0	48.0	ug/Kg	108				18	175	
N-propylbenzene	44.4	0	44.3	ug/Kg	100				10	173	
1,3,5-Trimethylbenzene	44.4	0	45.6	ug/Kg	103				10	175	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
tert-Butylbenzene	44.4	0	44.6	ug/Kg	100				10	173	
1,2,4-Trimethylbenzene	44.4	0	45.5	ug/Kg	102				10	175	
Sec-butylbenzene	44.4	0	43.5	ug/Kg	98				10	172	
p-Isopropyltoluene	44.4	0	42.0	ug/Kg	95				26	153	
1,3-Dichlorobenzene	44.4	0	42.7	ug/Kg	96				55	131	
1,4-Dichlorobenzene	44.4	0	43.3	ug/Kg	98				57	129	
n-Butylbenzene	44.4	0	37.7	ug/Kg	85				10	175	
1,2-Dichlorobenzene	44.4	0	43.7	ug/Kg	98				54	140	
1,2-Dibromo-3-Chloropropane	44.4	0	48.7	ug/Kg	110				46	175	
1,2,4-Trichlorobenzene	44.4	0	33.5	ug/Kg	75				12	127	
1,2,3-Trichlorobenzene	44.4	0	33.8	ug/Kg	76				10	160	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : O3645-10MSD	**Client Sample ID : SB-04-(1-5)MSD**							**Datafile :** VD076763.D			
Dichlorodifluoromethane	43.4	0	49.8	ug/Kg	115		19		40	150	20
Chloromethane	43.4	0	56.0	ug/Kg	129		19		24	175	20
Vinyl chloride	43.4	0	53.4	ug/Kg	123		20		21	175	20
Bromomethane	43.4	0	45.9	ug/Kg	106		23	*	46	150	20
Chloroethane	43.4	0	52.9	ug/Kg	122		17		30	175	20
Trichlorofluoromethane	43.4	0	51.0	ug/Kg	118		20		53	150	20
1,1,2-Trichlorotrifluoroethane	43.4	0	50.1	ug/Kg	115		19		60	135	20
1,1-Dichloroethene	43.4	0	50.4	ug/Kg	116		19		63	136	20
Acetone	220	0	260	ug/Kg	118		12		41	175	20
Carbon disulfide	43.4	0	49.7	ug/Kg	115		16		45	126	20
Methyl tert-butyl Ether	43.4	0	55.2	ug/Kg	127		22	*	56	175	20
Methyl Acetate	43.4	0	69.8	ug/Kg	161		17		32	175	20
Methylene Chloride	43.4	0	62.5	ug/Kg	144		16		59	175	20
trans-1,2-Dichloroethene	43.4	0	50.9	ug/Kg	117		16		63	137	20
1,1-Dichloroethane	43.4	0	54.8	ug/Kg	126		18		62	154	20
Cyclohexane	43.4	1.80	44.2	ug/Kg	98		13		41	131	20
2-Butanone	220	0	270	ug/Kg	123		16		48	174	20
Carbon Tetrachloride	43.4	0	51.3	ug/Kg	118		18		48	149	20
cis-1,2-Dichloroethene	43.4	0	55.3	ug/Kg	127		21	*	59	153	20
Bromochloromethane	43.4	0	44.7	ug/Kg	103		4		54	172	20
Chloroform	43.4	0	56.3	ug/Kg	130		20		60	159	20
1,1,1-Trichloroethane	43.4	0	53.4	ug/Kg	123		17		60	149	20
Methylcyclohexane	43.4	0	43.4	ug/Kg	100		7		19	135	20
Benzene	43.4	0	52.7	ug/Kg	121		18		59	140	20
1,2-Dichloroethane	43.4	0	55.7	ug/Kg	128		18		63	153	20
Trichloroethene	43.4	0	49.2	ug/Kg	113		15		45	154	20
1,2-Dichloropropane	43.4	0	53.9	ug/Kg	124		18		67	141	20
Bromodichloromethane	43.4	0	54.1	ug/Kg	125		21	*	54	160	20
4-Methyl-2-Pentanone	220	0	260	ug/Kg	118		12		54	164	20
Toluene	43.4	0	51.1	ug/Kg	118		16		61	134	20
t-1,3-Dichloropropene	43.4	0	51.2	ug/Kg	118		17		47	155	20
cis-1,3-Dichloropropene	43.4	0	52.2	ug/Kg	120		19		56	141	20
1,1,2-Trichloroethane	43.4	0	52.8	ug/Kg	122		16		69	148	20
2-Hexanone	220	0	260	ug/Kg	118		17		43	164	20
Dibromochloromethane	43.4	0	55.0	ug/Kg	127		19		65	143	20
1,2-Dibromoethane	43.4	0	52.1	ug/Kg	120		16		63	144	20
Tetrachloroethene	43.4	0	69.4	ug/Kg	160		12		27	175	20
Chlorobenzene	43.4	0	50.3	ug/Kg	116		15		66	127	20
Ethyl Benzene	43.4	0	49.4	ug/Kg	114		14		54	134	20
m/p-Xylenes	86.8	0	98.8	ug/Kg	114		14		51	137	20
o-Xylene	43.4	0	50.8	ug/Kg	117		16		57	139	20
Styrene	43.4	0	50.7	ug/Kg	117		17		47	136	20
Bromoform	43.4	0	54.5	ug/Kg	126		22	*	64	144	20
Isopropylbenzene	43.4	0	50.8	ug/Kg	117		13		44	160	20
1,1,2,2-Tetrachloroethane	43.4	0	53.6	ug/Kg	124		13		18	175	20
N-propylbenzene	43.4	0	49.1	ug/Kg	113		13		10	173	20
1,3,5-Trimethylbenzene	43.4	0	50.2	ug/Kg	116		12		10	175	20

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
tert-Butylbenzene	43.4	0	49.2	ug/Kg	113		12		10	173	20
1,2,4-Trimethylbenzene	43.4	0	50.7	ug/Kg	117		13		10	175	20
Sec-butylbenzene	43.4	0	46.8	ug/Kg	108		10		10	172	20
p-Isopropyltoluene	43.4	0	46.3	ug/Kg	107		12		26	153	20
1,3-Dichlorobenzene	43.4	0	48.5	ug/Kg	112		15		55	131	20
1,4-Dichlorobenzene	43.4	0	48.5	ug/Kg	112		14		57	129	20
n-Butylbenzene	43.4	0	41.2	ug/Kg	95		11		10	175	20
1,2-Dichlorobenzene	43.4	0	50.5	ug/Kg	116		17		54	140	20
1,2-Dibromo-3-Chloropropane	43.4	0	53.3	ug/Kg	123		11		46	175	20
1,2,4-Trichlorobenzene	43.4	0	40.5	ug/Kg	93		21	*	12	127	20
1,2,3-Trichlorobenzene	43.4	0	40.6	ug/Kg	94		21	*	10	160	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260D **Datafile :** VD076747.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD0717SBS01	Dichlorodifluoromethane	20	22.5	ug/Kg	113			64	136	
	Chloromethane	20	19.5	ug/Kg	98			70	130	
	Vinyl chloride	20	19.7	ug/Kg	99			72	129	
	Bromomethane	20	19.1	ug/Kg	96			58	141	
	Chloroethane	20	19.1	ug/Kg	96			69	130	
	Trichlorofluoromethane	20	21.9	ug/Kg	110			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.9	ug/Kg	110			81	123	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			79	121	
	Acetone	100	100	ug/Kg	100			60	131	
	Carbon disulfide	20	20.5	ug/Kg	103			45	154	
	Methyl tert-butyl Ether	20	20.0	ug/Kg	100			77	129	
	Methyl Acetate	20	20.5	ug/Kg	103			69	149	
	Methylene Chloride	20	17.3	ug/Kg	86			39	175	
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101			80	123	
	1,1-Dichloroethane	20	20.1	ug/Kg	101			82	123	
	Cyclohexane	20	20.4	ug/Kg	102			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	21.4	ug/Kg	107			76	129	
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104			82	123	
	Bromochloromethane	20	23.7	ug/Kg	119			62	134	
	Chloroform	20	20.6	ug/Kg	103			82	125	
	1,1,1-Trichloroethane	20	22.5	ug/Kg	113			80	126	
	Methylcyclohexane	20	20.8	ug/Kg	104			77	123	
	Benzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichloroethane	20	21.4	ug/Kg	107			81	126	
	Trichloroethene	20	21.1	ug/Kg	106			83	122	
	1,2-Dichloropropane	20	20.7	ug/Kg	104			83	122	
	Bromodichloromethane	20	20.5	ug/Kg	103			82	123	
	4-Methyl-2-Pentanone	100	99.9	ug/Kg	100			70	135	
	Toluene	20	20.4	ug/Kg	102			83	122	
	t-1,3-Dichloropropene	20	19.8	ug/Kg	99			78	124	
	cis-1,3-Dichloropropene	20	19.8	ug/Kg	99			81	122	
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105			82	125	
	2-Hexanone	100	99.6	ug/Kg	100			66	138	
	Dibromochloromethane	20	21.4	ug/Kg	107			79	125	
	1,2-Dibromoethane	20	20.6	ug/Kg	103			80	125	
	Tetrachloroethene	20	23.3	ug/Kg	117			83	125	
	Chlorobenzene	20	21.1	ug/Kg	106			84	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	41.3	ug/Kg	103			83	124	
	o-Xylene	20	20.5	ug/Kg	103			83	123	
	Styrene	20	20.7	ug/Kg	104			82	124	
	Bromoform	20	22.4	ug/Kg	112			75	127	
	Isopropylbenzene	20	21.1	ug/Kg	106			82	124	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/Kg	103			77	127	
	N-propylbenzene	20	21.1	ug/Kg	106			81	123	
	1,3,5-Trimethylbenzene	20	21.0	ug/Kg	105			82	124	
	tert-Butylbenzene	20	21.3	ug/Kg	106			81	125	
	1,2,4-Trimethylbenzene	20	20.3	ug/Kg	102			81	125	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260D **Datafile :** VD076747.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VD0717SBS01	Sec-butylbenzene	20	21.4	ug/Kg	107			80	124	
	p-Isopropyltoluene	20	21.1	ug/Kg	106			81	125	
	1,3-Dichlorobenzene	20	21.5	ug/Kg	108			83	122	
	1,4-Dichlorobenzene	20	21.3	ug/Kg	106			84	121	
	n-Butylbenzene	20	21.2	ug/Kg	106			78	126	
	1,2-Dichlorobenzene	20	21.6	ug/Kg	108			83	124	
	1,2-Dibromo-3-Chloropropane	20	20.1	ug/Kg	101			66	134	
	1,2,4-Trichlorobenzene	20	20.8	ug/Kg	104			78	127	
	1,2,3-Trichlorobenzene	20	21.3	ug/Kg	106			70	137	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260D **Datafile :** VD076768.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD0718SBS01	Dichlorodifluoromethane	20	23.8	ug/Kg	119			64	136	
	Chloromethane	20	19.2	ug/Kg	96			70	130	
	Vinyl chloride	20	20.0	ug/Kg	100			72	129	
	Bromomethane	20	20.5	ug/Kg	103			58	141	
	Chloroethane	20	20.2	ug/Kg	101			69	130	
	Trichlorofluoromethane	20	22.6	ug/Kg	113			69	134	
	1,1,2-Trichlorotrifluoroethane	20	22.6	ug/Kg	113			81	123	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			79	121	
	Acetone	100	92.4	ug/Kg	92			60	131	
	Carbon disulfide	20	19.6	ug/Kg	98			45	154	
	Methyl tert-butyl Ether	20	18.5	ug/Kg	93			77	129	
	Methyl Acetate	20	20.4	ug/Kg	102			69	149	
	Methylene Chloride	20	21.1	ug/Kg	106			39	175	
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99			80	123	
	1,1-Dichloroethane	20	20.4	ug/Kg	102			82	123	
	Cyclohexane	20	20.8	ug/Kg	104			76	122	
	2-Butanone	100	98.9	ug/Kg	99			69	131	
	Carbon Tetrachloride	20	21.9	ug/Kg	110			76	129	
	cis-1,2-Dichloroethene	20	19.7	ug/Kg	99			82	123	
	Bromochloromethane	20	22.2	ug/Kg	111			62	134	
	Chloroform	20	20.1	ug/Kg	101			82	125	
	1,1,1-Trichloroethane	20	21.3	ug/Kg	106			80	126	
	Methylcyclohexane	20	22.0	ug/Kg	110			77	123	
	Benzene	20	20.3	ug/Kg	102			84	121	
	1,2-Dichloroethane	20	20.8	ug/Kg	104			81	126	
	Trichloroethene	20	20.0	ug/Kg	100			83	122	
	1,2-Dichloropropane	20	20.6	ug/Kg	103			83	122	
	Bromodichloromethane	20	20.3	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	94.2	ug/Kg	94			70	135	
	Toluene	20	20.0	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	20	19.0	ug/Kg	95			78	124	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			81	122	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			82	125	
	2-Hexanone	100	93.8	ug/Kg	94			66	138	
	Dibromochloromethane	20	20.1	ug/Kg	101			79	125	
	1,2-Dibromoethane	20	19.6	ug/Kg	98			80	125	
	Tetrachloroethene	20	23.8	ug/Kg	119			83	125	
	Chlorobenzene	20	20.9	ug/Kg	104			84	122	
	Ethyl Benzene	20	21.1	ug/Kg	106			82	124	
	m/p-Xylenes	40	41.7	ug/Kg	104			83	124	
	o-Xylene	20	20.4	ug/Kg	102			83	123	
	Styrene	20	20.9	ug/Kg	104			82	124	
	Bromoform	20	20.9	ug/Kg	104			75	127	
	Isopropylbenzene	20	20.7	ug/Kg	104			82	124	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/Kg	102			77	127	
	N-propylbenzene	20	21.1	ug/Kg	106			81	123	
	1,3,5-Trimethylbenzene	20	20.8	ug/Kg	104			82	124	
	tert-Butylbenzene	20	21.0	ug/Kg	105			81	125	
	1,2,4-Trimethylbenzene	20	20.2	ug/Kg	101			81	125	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260D **Datafile :** VD076768.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VD0718SBS01	Sec-butylbenzene	20	21.7	ug/Kg	109			80	124	
	p-Isopropyltoluene	20	21.2	ug/Kg	106			81	125	
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	n-Butylbenzene	20	21.2	ug/Kg	106			78	126	
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99			83	124	
	1,2-Dibromo-3-Chloropropane	20	19.7	ug/Kg	99			66	134	
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97			78	127	
	1,2,3-Trichlorobenzene	20	19.2	ug/Kg	96			70	137	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260-Low **Datafile :** VN078554.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0718WBS02	Dichlorodifluoromethane	20	16.7	ug/L	84			69	116	
	Chloromethane	20	21.5	ug/L	108			65	116	
	Vinyl chloride	20	19.3	ug/L	97			65	117	
	Bromomethane	20	17.9	ug/L	90			42	173	
	Chloroethane	20	17.7	ug/L	89			44	165	
	Trichlorofluoromethane	20	18.2	ug/L	91			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97			80	112	
	1,1-Dichloroethene	20	18.1	ug/L	91			74	110	
	Acetone	100	99.4	ug/L	99			60	125	
	Carbon disulfide	20	15.7	ug/L	79			64	112	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			78	114	
	Methyl Acetate	20	20.2	ug/L	101			67	125	
	Methylene Chloride	20	19.9	ug/L	100			72	114	
	trans-1,2-Dichloroethene	20	18.3	ug/L	92			75	108	
	1,1-Dichloroethane	20	18.8	ug/L	94			78	112	
	Cyclohexane	20	17.9	ug/L	90			75	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	19.0	ug/L	95			77	113	
	cis-1,2-Dichloroethene	20	19.0	ug/L	95			77	110	
	Bromochloromethane	20	20.4	ug/L	102			70	124	
	Chloroform	20	20.0	ug/L	100			79	113	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			80	108	
	Methylcyclohexane	20	18.6	ug/L	93			72	115	
	Benzene	20	19.5	ug/L	98			82	109	
	1,2-Dichloroethane	20	20.4	ug/L	102			80	115	
	Trichloroethene	20	18.5	ug/L	93			77	113	
	1,2-Dichloropropane	20	20.1	ug/L	101			83	111	
	Bromodichloromethane	20	20.4	ug/L	102			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	19.9	ug/L	100			82	110	
	t-1,3-Dichloropropene	20	20.1	ug/L	101			79	110	
	cis-1,3-Dichloropropene	20	20.3	ug/L	102			82	110	
	1,1,2-Trichloroethane	20	22.0	ug/L	110			83	112	
	2-Hexanone	100	100	ug/L	100			73	117	
	Dibromochloromethane	20	20.4	ug/L	102			82	110	
	1,2-Dibromoethane	20	20.2	ug/L	101			81	110	
	Tetrachloroethene	20	17.6	ug/L	88			67	123	
	Chlorobenzene	20	19.3	ug/L	97			82	109	
	Ethyl Benzene	20	18.7	ug/L	94			83	109	
	m/p-Xylenes	40	40.8	ug/L	102			82	110	
	o-Xylene	20	17.7	ug/L	89			83	109	
	Styrene	20	18.1	ug/L	91			80	111	
	Bromoform	20	20.3	ug/L	102			79	109	
	Isopropylbenzene	20	19.0	ug/L	95			83	112	
	1,1,2,2-Tetrachloroethane	20	21.7	ug/L	109			76	118	
	N-propylbenzene	20	19.2	ug/L	96			83	112	
	1,3,5-Trimethylbenzene	20	19.2	ug/L	96			85	112	
	tert-Butylbenzene	20	19.4	ug/L	97			83	112	
	1,2,4-Trimethylbenzene	20	19.8	ug/L	99			85	111	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260-Low **Datafile :** VN078554.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0718WBS02	Sec-butylbenzene	20	19.2	ug/L	96			81	114	
	p-Isopropyltoluene	20	19.1	ug/L	96			78	116	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			82	108	
	1,4-Dichlorobenzene	20	18.2	ug/L	91			82	107	
	n-Butylbenzene	20	19.2	ug/L	96			75	115	
	1,2-Dichlorobenzene	20	19.2	ug/L	96			82	109	
	1,2-Dibromo-3-Chloropropane	20	20.5	ug/L	103			68	112	
	1,2,4-Trichlorobenzene	20	15.6	ug/L	78			74	114	
	1,2,3-Trichlorobenzene	20	16.3	ug/L	81			77	113	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260-Low **Datafile :** VN078556.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual		Limits Low	Limits High	Limits RPD
VN0718WBSD02	Dichlorodifluoromethane	20	18.6	ug/L	93	10			69	116	20
	Chloromethane	20	23.5	ug/L	117	8	*		65	116	20
	Vinyl chloride	20	21.7	ug/L	109	12			65	117	20
	Bromomethane	20	18.1	ug/L	91	1			42	173	20
	Chloroethane	20	20.8	ug/L	104	16			44	165	20
	Trichlorofluoromethane	20	20.9	ug/L	104	13			73	115	20
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/L	106	9			80	112	20
	1,1-Dichloroethene	20	21.0	ug/L	105	14			74	110	20
	Acetone	100	120	ug/L	120	19			60	125	20
	Carbon disulfide	20	17.4	ug/L	87	10			64	112	20
	Methyl tert-butyl Ether	20	21.1	ug/L	106	6			78	114	20
	Methyl Acetate	20	21.3	ug/L	106	5			67	125	20
	Methylene Chloride	20	21.9	ug/L	110	10			72	114	20
	trans-1,2-Dichloroethene	20	20.2	ug/L	101	9			75	108	20
	1,1-Dichloroethane	20	21.5	ug/L	108	14			78	112	20
	Cyclohexane	20	19.8	ug/L	99	10			75	110	20
	2-Butanone	100	110	ug/L	110	10			65	122	20
	Carbon Tetrachloride	20	21.7	ug/L	109	14			77	113	20
	cis-1,2-Dichloroethene	20	20.9	ug/L	104	9			77	110	20
	Bromochloromethane	20	20.3	ug/L	102	0			70	124	20
	Chloroform	20	22.0	ug/L	110	10			79	113	20
	1,1,1-Trichloroethane	20	21.7	ug/L	109	12	*		80	108	20
	Methylcyclohexane	20	20.9	ug/L	104	11			72	115	20
	Benzene	20	21.6	ug/L	108	10			82	109	20
	1,2-Dichloroethane	20	21.4	ug/L	107	5			80	115	20
	Trichloroethene	20	21.1	ug/L	106	13			77	113	20
	1,2-Dichloropropane	20	22.3	ug/L	112	10	*		83	111	20
	Bromodichloromethane	20	21.6	ug/L	108	6			83	110	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10			74	118	20
	Toluene	20	22.0	ug/L	110	10			82	110	20
	t-1,3-Dichloropropene	20	24.3	ug/L	121	18	*		79	110	20
	cis-1,3-Dichloropropene	20	22.5	ug/L	113	10	*		82	110	20
	1,1,2-Trichloroethane	20	25.8	ug/L	129	16	*		83	112	20
	2-Hexanone	100	150	ug/L	150	40	*	*	73	117	20
	Dibromochloromethane	20	27.5	ug/L	138	30	*	*	82	110	20
	1,2-Dibromoethane	20	25.3	ug/L	127	23	*	*	81	110	20
	Tetrachloroethene	20	26.3	ug/L	132	40	*	*	67	123	20
	Chlorobenzene	20	21.8	ug/L	109	12			82	109	20
	Ethyl Benzene	20	22.0	ug/L	110	16	*		83	109	20
	m/p-Xylenes	40	45.2	ug/L	113	10	*		82	110	20
	o-Xylene	20	22.2	ug/L	111	22	*	*	83	109	20
	Styrene	20	23.1	ug/L	116	24	*	*	80	111	20
	Bromoform	20	23.5	ug/L	117	14	*		79	109	20
	Isopropylbenzene	20	20.8	ug/L	104	9			83	112	20
	1,1,2,2-Tetrachloroethane	20	22.5	ug/L	113	4			76	118	20
	N-propylbenzene	20	21.6	ug/L	108	12			83	112	20
	1,3,5-Trimethylbenzene	20	21.5	ug/L	108	12			85	112	20
	tert-Butylbenzene	20	21.5	ug/L	108	11			83	112	20
	1,2,4-Trimethylbenzene	20	21.6	ug/L	108	9			85	111	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O3645

Client: LaBella Associates P.C.

Analytical Method: SW8260-Low **Datafile :** VN078556.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0718WBSD02	Sec-butylbenzene	20	21.4	ug/L	107	11		81	114	20
	p-Isopropyltoluene	20	22.1	ug/L	111	14		78	116	20
	1,3-Dichlorobenzene	20	21.4	ug/L	107	12		82	108	20
	1,4-Dichlorobenzene	20	20.3	ug/L	102	11		82	107	20
	n-Butylbenzene	20	21.7	ug/L	109	13		75	115	20
	1,2-Dichlorobenzene	20	21.2	ug/L	106	10		82	109	20
	1,2-Dibromo-3-Chloropropane	20	20.1	ug/L	101	2		68	112	20
	1,2,4-Trichlorobenzene	20	16.8	ug/L	84	7		74	114	20
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86	6		77	113	20

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VD0717SBL01

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: O3645 SAS No.: O3645 SDG NO.: O3645

Lab File ID: VD076746.D Lab Sample ID: VD0717SBL01

Date Analyzed: 07/17/2023 Time Analyzed: 11:15

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_D

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VD0717SBS01	VD0717SBS01	VD076747.D	07/17/2023
SB-02-(3-5)	O3645-01	VD076751.D	07/17/2023
SB-04-(1-5)	O3645-02	VD076752.D	07/17/2023
SB-07-(1-3)	O3645-03	VD076753.D	07/17/2023
SB-08-(0.5-2.0)	O3645-04	VD076754.D	07/17/2023
SB-10-(0.5-2.0)	O3645-06	VD076756.D	07/17/2023
SB-04-(1-5)MS	O3645-09MS	VD076762.D	07/17/2023
SB-04-(1-5)MSD	O3645-10MSD	VD076763.D	07/17/2023

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VD0718SBL01

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: O3645 SAS No.: O3645 SDG NO.: O3645

Lab File ID: VD076767.D Lab Sample ID: VD0718SBL01

Date Analyzed: 07/18/2023 Time Analyzed: 10:09

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_D

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VD0718SBS01	VD0718SBS01	VD076768.D	07/18/2023
DUP	O3645-07	VD076777.D	07/18/2023

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0718WBL01

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: O3645 SAS No.: O3645 SDG NO.: O3645

Lab File ID: VN078552.D Lab Sample ID: VN0718WBL01

Date Analyzed: 07/18/2023 Time Analyzed: 11:27

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
VN0718WBS02	VN0718WBS02	VN078554.D	07/18/2023
VN0718WBSD02	VN0718WBSD02	VN078556.D	07/18/2023
RINSATE-BLANK	O3645-08	VN078566.D	07/18/2023

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: O3645 SAS No.: O3645 SDG NO.: O3645

Lab File ID: VD076734.D BFB Injection Date: 07/14/2023

Instrument ID: MSVOA_D BFB Injection Time: 10:44

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	54.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.9 (1) 1
174	50.0 - 100.0% of mass 95	88.6
175	5.0 - 9.0% of mass 174	6.5 (7.3) 1
176	95.0 - 101.0% of mass 174	85.3 (96.3) 1
177	5.0 - 9.0% of mass 176	5.7 (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
VSTDICC020	VSTDICC020	VD076737.D	07/14/2023	12:50
VSTDICCC050	VSTDICCC050	VD076738.D	07/14/2023	13:21
VSTDICC100	VSTDICC100	VD076739.D	07/14/2023	13:49
VSTDICC150	VSTDICC150	VD076740.D	07/14/2023	14:17
VSTDICC005	VSTDICC005	VD076742.D	07/14/2023	15:57

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: O3645 SAS No.: O3645 SDG NO.: O3645

Lab File ID: VD076744.D BFB Injection Date: 07/17/2023

Instrument ID: MSVOA_D BFB Injection Time: 09:08

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 60.0% of mass 95	50.9
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 (1.2) 1
174	50.0 - 100.0% of mass 95	85.9
175	5.0 - 9.0% of mass 174	5.9 (6.9) 1
176	95.0 - 101.0% of mass 174	83.3 (97) 1
177	5.0 - 9.0% of mass 176	5.7 (6.9) 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	VD076745.D	07/17/2023	10:19
VD0717SBL01	VD0717SBL01	VD076746.D	07/17/2023	11:15
VD0717SBS01	VD0717SBS01	VD076747.D	07/17/2023	11:46
SB-02-(3-5)	O3645-01	VD076751.D	07/17/2023	13:36
SB-04-(1-5)	O3645-02	VD076752.D	07/17/2023	14:04
SB-07-(1-3)	O3645-03	VD076753.D	07/17/2023	14:32
SB-08-(0.5-2.0)	O3645-04	VD076754.D	07/17/2023	15:01
SB-10-(0.5-2.0)	O3645-06	VD076756.D	07/17/2023	15:57
SB-04-(1-5)MS	O3645-09MS	VD076762.D	07/17/2023	18:48
SB-04-(1-5)MSD	O3645-10MSD	VD076763.D	07/17/2023	19:17

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: O3645 SAS No.: O3645 SDG NO.: O3645

Lab File ID: VD076765.D BFB Injection Date: 07/18/2023

Instrument ID: MSVOA_D BFB Injection Time: 08:41

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	53
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 (1.2) 1
174	50.0 - 100.0% of mass 95	85.3
175	5.0 - 9.0% of mass 174	6.6 (7.7) 1
176	95.0 - 101.0% of mass 174	83 (97.3) 1
177	5.0 - 9.0% of mass 176	5.5 (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	VD076766.D	07/18/2023	09:13
VD0718SBL01	VD0718SBL01	VD076767.D	07/18/2023	10:09
VD0718SBS01	VD0718SBS01	VD076768.D	07/18/2023	10:36
DUP	O3645-07	VD076777.D	07/18/2023	14:49

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: O3645 SAS No.: O3645 SDG NO.: O3645

Lab File ID: VN078448.D BFB Injection Date: 07/10/2023

Instrument ID: MSVOA_N BFB Injection Time: 11:48

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	18.6
75	30.0 - 60.0% of mass 95	54.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	77.9
175	5.0 - 9.0% of mass 174	6.1 (7.8) 1
176	95.0 - 101.0% of mass 174	74.2 (95.3) 1
177	5.0 - 9.0% of mass 176	4.8 (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
VSTDICC100	VSTDICC100	VN078449.D	07/10/2023	12:21
VSTDICCC050	VSTDICCC050	VN078450.D	07/10/2023	12:46
VSTDICC040	VSTDICC040	VN078451.D	07/10/2023	13:10
VSTDICC020	VSTDICC020	VN078452.D	07/10/2023	13:34
VSTDICC005	VSTDICC005	VN078453.D	07/10/2023	13:58
VSTDICC001	VSTDICC001	VN078454.D	07/10/2023	14:46

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: O3645 SAS No.: O3645 SDG NO.: O3645

Lab File ID: VN078549.D BFB Injection Date: 07/18/2023

Instrument ID: MSVOA_N BFB Injection Time: 09:55

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	18.6
75	30.0 - 60.0% of mass 95	51.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.8 (0.9) 1
174	50.0 - 100.0% of mass 95	79.5
175	5.0 - 9.0% of mass 174	6.4 (8.1) 1
176	95.0 - 101.0% of mass 174	77.3 (97.2) 1
177	5.0 - 9.0% of mass 176	4.8 (6.2) 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	VN078550.D	07/18/2023	10:29
VN0718WBL01	VN0718WBL01	VN078552.D	07/18/2023	11:27
VN0718WBS02	VN0718WBS02	VN078554.D	07/18/2023	12:25
VN0718WBSD02	VN0718WBSD02	VN078556.D	07/18/2023	13:13
RINSATE-BLANK	O3645-08	VN078566.D	07/18/2023	17:16

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG NO.: 03645

Lab File ID: VD076745.D Date Analyzed: 07/17/2023

Instrument ID: MSVOA_D Time Analyzed: 10:19

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	218354	7.88	378281	8.78	349288	11.58
UPPER LIMIT	436708	8.375	756562	9.275	698576	12.081
LOWER LIMIT	109177	7.375	189141	8.275	174644	11.081
EPA SAMPLE NO.						
SB-02-(3-5)	185224	7.88	404206	8.78	400992	11.58
SB-04-(1-5)	171628	7.88	365685	8.78	369301	11.58
SB-07-(1-3)	150618	7.88	331615	8.78	315417	11.58
SB-08-(0.5-2.0)	151025	7.88	339221	8.78	298250	11.58
SB-10-(0.5-2.0)	133536	7.88	310537	8.78	307752	11.58
SB-04-(1-5)MS	136385	7.87	255118	8.78	231626	11.58
SB-04-(1-5)MSD	154913	7.88	288394	8.78	267266	11.58
VD0717SBL01	186821	7.88	400093	8.78	394027	11.58
VD0717SBS01	204434	7.88	373707	8.78	339998	11.58

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG NO.: 03645

Lab File ID: VD076745.D Date Analyzed: 07/17/2023

Instrument ID: MSVOA_D Time Analyzed: 10:19

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	160211	13.516				
UPPER LIMIT	320422	14.016				
LOWER LIMIT	80105.5	13.016				
EPA SAMPLE NO.						
SB-02-(3-5)	187559	13.52				
SB-04-(1-5)	170608	13.52				
SB-07-(1-3)	128769	13.52				
SB-08-(0.5-2.0)	92343	13.52				
SB-10-(0.5-2.0)	139423	13.52				
SB-04-(1-5)MS	102048	13.52				
SB-04-(1-5)MSD	117737	13.52				
VD0717SBL01	184069	13.52				
VD0717SBS01	159296	13.52				

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG NO.: 03645

Lab File ID: VD076766.D Date Analyzed: 07/18/2023

Instrument ID: MSVOA_D Time Analyzed: 09:13

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	206994	7.88	357390	8.78	317730	11.58
UPPER LIMIT	413988	8.375	714780	9.275	635460	12.081
LOWER LIMIT	103497	7.375	178695	8.275	158865	11.081
EPA SAMPLE NO.						
DUP	147654	7.88	354882	8.78	328863	11.58
VD0718SBL01	163878	7.88	390285	8.78	373979	11.58
VD0718SBS01	187561	7.88	339123	8.78	301791	11.58

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG NO.: 03645

Lab File ID: VD076766.D Date Analyzed: 07/18/2023

Instrument ID: MSVOA_D Time Analyzed: 09:13

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	151547	13.516				
UPPER LIMIT	303094	14.016				
LOWER LIMIT	75773.5	13.016				
EPA SAMPLE NO.						
DUP	141705	13.52				
VD0718SBL01	159933	13.52				
VD0718SBS01	145517	13.52				

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.**

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG NO.: 03645

Lab File ID: VN078550.D Date Analyzed: 07/18/2023

Instrument ID: MSVOA_N Time Analyzed: 10:29

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	483266	8.24	784393	9.11	713959	11.87
UPPER LIMIT	966532	8.735	1568790	9.606	1427920	12.37
LOWER LIMIT	241633	7.735	392197	8.606	356980	11.37
EPA SAMPLE NO.						
RINSATE-BLANK	401033	8.24	752774	9.11	693621	11.87
VN0718WBL01	402785	8.24	700602	9.11	679555	11.87
VN0718WBS02	432335	8.23	742826	9.11	745463	11.87
VN0718WBSD02	485193	8.24	833352	9.11	717025	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.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG NO.: 03645

Lab File ID: VN078550.D Date Analyzed: 07/18/2023

Instrument ID: MSVOA_N Time Analyzed: 10:29

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	297857	13.8				
UPPER LIMIT	595714	14.3				
LOWER LIMIT	148929	13.3				
EPA SAMPLE NO.						
RINSATE-BLANK	242621	13.80				
VN0718WBL01	243985	13.79				
VN0718WBS02	251794	13.79				
VN0718WBSD02	285080	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.

CHEMTECH

A
B
C
D
E
F
G

QC SAMPLE DATA

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VD0717SBL01	SDG No.:	O3645
Lab Sample ID:	VD0717SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076746.D	1		07/17/23 11:15	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	1.60	5.00	ug/Kg
74-87-3	Chloromethane	5.00	U	0.91	5.00	ug/Kg
75-01-4	Vinyl Chloride	5.00	U	0.93	5.00	ug/Kg
74-83-9	Bromomethane	5.00	U	1.20	5.00	ug/Kg
75-00-3	Chloroethane	5.00	U	0.88	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	5.00	U	1.10	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.72	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	5.00	U	0.79	5.00	ug/Kg
67-64-1	Acetone	25.0	U	9.40	25.0	ug/Kg
75-15-0	Carbon Disulfide	5.00	U	2.20	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.65	5.00	ug/Kg
79-20-9	Methyl Acetate	5.00	U	1.60	5.00	ug/Kg
75-09-2	Methylene Chloride	10.0	U	6.10	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.73	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	5.00	U	0.72	5.00	ug/Kg
110-82-7	Cyclohexane	5.00	U	0.70	5.00	ug/Kg
78-93-3	2-Butanone	25.0	U	7.30	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	5.00	U	0.78	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.64	5.00	ug/Kg
74-97-5	Bromochloromethane	5.00	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	5.00	U	1.30	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.00	U	0.76	5.00	ug/Kg
108-87-2	Methylcyclohexane	5.00	U	3.40	5.00	ug/Kg
71-43-2	Benzene	5.00	U	0.66	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	5.00	U	0.72	5.00	ug/Kg
79-01-6	Trichloroethene	5.00	U	0.66	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	5.00	U	0.59	5.00	ug/Kg
75-27-4	Bromodichloromethane	5.00	U	0.70	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25.0	U	4.50	25.0	ug/Kg
108-88-3	Toluene	5.00	U	0.65	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.77	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.74	5.00	ug/Kg

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VD0717SBL01	SDG No.:	O3645
Lab Sample ID:	VD0717SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076746.D	1		07/17/23 11:15	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	5.00	U	0.86	5.00	ug/Kg
591-78-6	2-Hexanone	25.0	U	5.30	25.0	ug/Kg
124-48-1	Dibromochloromethane	5.00	U	0.85	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	5.00	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	5.00	U	0.77	5.00	ug/Kg
108-90-7	Chlorobenzene	5.00	U	0.63	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	10.0	U	1.40	10.0	ug/Kg
1330-20-7	Total Xylenes	15.0	U	2.17	15.0	ug/Kg
95-47-6	o-Xylene	5.00	U	0.77	5.00	ug/Kg
100-42-5	Styrene	5.00	U	0.69	5.00	ug/Kg
75-25-2	Bromoform	5.00	U	0.95	5.00	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.71	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1.10	5.00	ug/Kg
103-65-1	n-propylbenzene	5.00	U	0.70	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.00	U	0.64	5.00	ug/Kg
98-06-6	tert-Butylbenzene	5.00	U	0.77	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.00	U	0.67	5.00	ug/Kg
135-98-8	sec-Butylbenzene	5.00	U	0.77	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	5.00	U	0.74	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.00	U	0.68	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.00	U	0.60	5.00	ug/Kg
104-51-8	n-Butylbenzene	5.00	U	0.68	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.00	U	0.60	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1.20	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.61	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.63	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		50 - 163	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	55.0		58 - 134	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		30 - 143	109%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VD0717SBL01	SDG No.:	O3645
Lab Sample ID:	VD0717SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076746.D	1		07/17/23 11:15	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	187000	7.875			
540-36-3	1,4-Difluorobenzene	400000	8.775			
3114-55-4	Chlorobenzene-d5	394000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	184000	13.516			

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VD0718SBL01	SDG No.:	O3645
Lab Sample ID:	VD0718SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076767.D	1		07/18/23 10:09	VD071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	1.60	5.00	ug/Kg
74-87-3	Chloromethane	5.00	U	0.91	5.00	ug/Kg
75-01-4	Vinyl Chloride	5.00	U	0.93	5.00	ug/Kg
74-83-9	Bromomethane	5.00	U	1.20	5.00	ug/Kg
75-00-3	Chloroethane	5.00	U	0.88	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	5.00	U	1.10	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.72	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	5.00	U	0.79	5.00	ug/Kg
67-64-1	Acetone	25.0	U	9.40	25.0	ug/Kg
75-15-0	Carbon Disulfide	5.00	U	2.20	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.65	5.00	ug/Kg
79-20-9	Methyl Acetate	5.00	U	1.60	5.00	ug/Kg
75-09-2	Methylene Chloride	10.0	U	6.10	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.73	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	5.00	U	0.72	5.00	ug/Kg
110-82-7	Cyclohexane	5.00	U	0.70	5.00	ug/Kg
78-93-3	2-Butanone	25.0	U	7.30	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	5.00	U	0.78	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.64	5.00	ug/Kg
74-97-5	Bromochloromethane	5.00	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	5.00	U	1.30	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.00	U	0.76	5.00	ug/Kg
108-87-2	Methylcyclohexane	5.00	U	3.40	5.00	ug/Kg
71-43-2	Benzene	5.00	U	0.66	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	5.00	U	0.72	5.00	ug/Kg
79-01-6	Trichloroethene	5.00	U	0.66	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	5.00	U	0.59	5.00	ug/Kg
75-27-4	Bromodichloromethane	5.00	U	0.70	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25.0	U	4.50	25.0	ug/Kg
108-88-3	Toluene	5.00	U	0.65	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.77	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.74	5.00	ug/Kg

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VD0718SBL01	SDG No.:	O3645
Lab Sample ID:	VD0718SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076767.D	1		07/18/23 10:09	VD071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	5.00	U	0.86	5.00	ug/Kg
591-78-6	2-Hexanone	25.0	U	5.30	25.0	ug/Kg
124-48-1	Dibromochloromethane	5.00	U	0.85	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	5.00	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	5.00	U	0.77	5.00	ug/Kg
108-90-7	Chlorobenzene	5.00	U	0.63	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	10.0	U	1.40	10.0	ug/Kg
1330-20-7	Total Xylenes	15.0	U	2.17	15.0	ug/Kg
95-47-6	o-Xylene	5.00	U	0.77	5.00	ug/Kg
100-42-5	Styrene	5.00	U	0.69	5.00	ug/Kg
75-25-2	Bromoform	5.00	U	0.95	5.00	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.71	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1.10	5.00	ug/Kg
103-65-1	n-propylbenzene	5.00	U	0.70	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.00	U	0.64	5.00	ug/Kg
98-06-6	tert-Butylbenzene	5.00	U	0.77	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.00	U	0.67	5.00	ug/Kg
135-98-8	sec-Butylbenzene	5.00	U	0.77	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	5.00	U	0.74	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.00	U	0.68	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.00	U	0.60	5.00	ug/Kg
104-51-8	n-Butylbenzene	5.00	U	0.68	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.00	U	0.60	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1.20	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.61	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.63	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.4		50 - 163	127%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	55.2		58 - 134	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		30 - 143	98%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VD0718SBL01	SDG No.:	O3645
Lab Sample ID:	VD0718SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076767.D	1		07/18/23 10:09	VD071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	164000	7.875			
540-36-3	1,4-Difluorobenzene	390000	8.775			
3114-55-4	Chlorobenzene-d5	374000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	160000	13.516			

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VN0718WBL01	SDG No.:	O3645
Lab Sample ID:	VN0718WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN078552.D	1		07/18/23 11:27	VN071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	5.00	U	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VN0718WBL01	SDG No.:	O3645
Lab Sample ID:	VN0718WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN078552.D	1		07/18/23 11:27	VN071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.31	2.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.46	3.00	ug/L
95-47-6	o-Xylene	1.00	U	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
103-65-1	n-propylbenzene	1.00	U	0.15	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.00	U	0.17	1.00	ug/L
98-06-6	tert-Butylbenzene	1.00	U	0.16	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.00	U	0.16	1.00	ug/L
135-98-8	sec-Butylbenzene	1.00	U	0.16	1.00	ug/L
99-87-6	p-Isopropyltoluene	1.00	U	0.16	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
104-51-8	n-Butylbenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	56.7		75 - 124	113%	SPK: 50
2037-26-5	Toluene-d8	46.5		86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		64 - 133	106%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VN0718WBL01	SDG No.:	O3645
Lab Sample ID:	VN0718WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN078552.D	1		07/18/23 11:27	VN071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	403000	8.236			
540-36-3	1,4-Difluorobenzene	701000	9.106			
3114-55-4	Chlorobenzene-d5	680000	11.871			
3855-82-1	1,4-Dichlorobenzene-d4	244000	13.794			

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VD0717SBS01	SDG No.:	O3645
Lab Sample ID:	VD0717SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076747.D	1		07/17/23 11:46	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.5		1.60	5.00	ug/Kg
74-87-3	Chloromethane	19.5		0.91	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.7		0.93	5.00	ug/Kg
74-83-9	Bromomethane	19.1		1.20	5.00	ug/Kg
75-00-3	Chloroethane	19.1		0.88	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.9		1.10	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.9		0.72	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		0.79	5.00	ug/Kg
67-64-1	Acetone	100		9.40	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		2.20	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.0		0.65	5.00	ug/Kg
79-20-9	Methyl Acetate	20.5		1.60	5.00	ug/Kg
75-09-2	Methylene Chloride	17.3		6.10	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.2		0.73	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.1		0.72	5.00	ug/Kg
110-82-7	Cyclohexane	20.4		0.70	5.00	ug/Kg
78-93-3	2-Butanone	100		7.30	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.4		0.78	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.8		0.64	5.00	ug/Kg
74-97-5	Bromochloromethane	23.7		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.6		1.30	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.5		0.76	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.8		3.40	5.00	ug/Kg
71-43-2	Benzene	20.6		0.66	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.4		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	21.1		0.66	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.7		0.59	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.5		0.70	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	99.9		4.50	25.0	ug/Kg
108-88-3	Toluene	20.4		0.65	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.8		0.77	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.8		0.74	5.00	ug/Kg

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VD0717SBS01	SDG No.:	O3645
Lab Sample ID:	VD0717SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076747.D	1		07/17/23 11:46	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	21.0		0.86	5.00	ug/Kg
591-78-6	2-Hexanone	99.6		5.30	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.4		0.85	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	23.3		0.77	5.00	ug/Kg
108-90-7	Chlorobenzene	21.1		0.63	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.3		1.40	10.0	ug/Kg
1330-20-7	Total Xylenes	61.8		2.17	15.0	ug/Kg
95-47-6	o-Xylene	20.5		0.77	5.00	ug/Kg
100-42-5	Styrene	20.7		0.69	5.00	ug/Kg
75-25-2	Bromoform	22.4		0.95	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.71	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1.10	5.00	ug/Kg
103-65-1	n-propylbenzene	21.1		0.70	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	21.0		0.64	5.00	ug/Kg
98-06-6	tert-Butylbenzene	21.3		0.77	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	20.3		0.67	5.00	ug/Kg
135-98-8	sec-Butylbenzene	21.4		0.77	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	21.1		0.74	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.5		0.68	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.3		0.60	5.00	ug/Kg
104-51-8	n-Butylbenzene	21.2		0.68	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.6		0.60	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		1.20	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.8		0.61	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.3		0.63	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		50 - 163	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		54 - 147	98%	SPK: 50
2037-26-5	Toluene-d8	47.3		58 - 134	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		30 - 143	97%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VD0717SBS01	SDG No.:	O3645
Lab Sample ID:	VD0717SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076747.D	1		07/17/23 11:46	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	204000	7.875			
540-36-3	1,4-Difluorobenzene	374000	8.775			
3114-55-4	Chlorobenzene-d5	340000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	159000	13.516			

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VD0718SBS01	SDG No.:	O3645
Lab Sample ID:	VD0718SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076768.D	1		07/18/23 10:36	VD071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	23.8		1.60	5.00	ug/Kg
74-87-3	Chloromethane	19.2		0.91	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.0		0.93	5.00	ug/Kg
74-83-9	Bromomethane	20.5		1.20	5.00	ug/Kg
75-00-3	Chloroethane	20.2		0.88	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.6		1.10	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	22.6		0.72	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		0.79	5.00	ug/Kg
67-64-1	Acetone	92.4		9.40	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.6		2.20	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.5		0.65	5.00	ug/Kg
79-20-9	Methyl Acetate	20.4		1.60	5.00	ug/Kg
75-09-2	Methylene Chloride	21.1		6.10	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.8		0.73	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.4		0.72	5.00	ug/Kg
110-82-7	Cyclohexane	20.8		0.70	5.00	ug/Kg
78-93-3	2-Butanone	98.9		7.30	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.9		0.78	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.7		0.64	5.00	ug/Kg
74-97-5	Bromochloromethane	22.2		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.1		1.30	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.3		0.76	5.00	ug/Kg
108-87-2	Methylcyclohexane	22.0		3.40	5.00	ug/Kg
71-43-2	Benzene	20.3		0.66	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	20.0		0.66	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.6		0.59	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.3		0.70	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	94.2		4.50	25.0	ug/Kg
108-88-3	Toluene	20.0		0.65	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.0		0.77	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.3		0.74	5.00	ug/Kg

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VD0718SBS01	SDG No.:	O3645
Lab Sample ID:	VD0718SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076768.D	1		07/18/23 10:36	VD071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	20.2		0.86	5.00	ug/Kg
591-78-6	2-Hexanone	93.8		5.30	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.85	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	23.8		0.77	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.63	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.7		1.40	10.0	ug/Kg
1330-20-7	Total Xylenes	62.1		2.17	15.0	ug/Kg
95-47-6	o-Xylene	20.4		0.77	5.00	ug/Kg
100-42-5	Styrene	20.9		0.69	5.00	ug/Kg
75-25-2	Bromoform	20.9		0.95	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.7		0.71	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.4		1.10	5.00	ug/Kg
103-65-1	n-propylbenzene	21.1		0.70	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	20.8		0.64	5.00	ug/Kg
98-06-6	tert-Butylbenzene	21.0		0.77	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	20.2		0.67	5.00	ug/Kg
135-98-8	sec-Butylbenzene	21.7		0.77	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	21.2		0.74	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.9		0.68	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		0.60	5.00	ug/Kg
104-51-8	n-Butylbenzene	21.2		0.68	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		0.60	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		1.20	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		0.61	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.2		0.63	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		50 - 163	91%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		54 - 147	94%	SPK: 50
2037-26-5	Toluene-d8	44.8		58 - 134	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		30 - 143	91%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VD0718SBS01	SDG No.:	O3645
Lab Sample ID:	VD0718SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076768.D	1		07/18/23 10:36	VD071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	188000	7.875			
540-36-3	1,4-Difluorobenzene	339000	8.775			
3114-55-4	Chlorobenzene-d5	302000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.516			

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VN0718WBS02	SDG No.:	O3645
Lab Sample ID:	VN0718WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN078554.D	1		07/18/23 12:25	VN071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.7		0.14	1.00	ug/L
74-87-3	Chloromethane	21.5		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	19.3		0.25	1.00	ug/L
74-83-9	Bromomethane	17.9		1.60	5.00	ug/L
75-00-3	Chloroethane	17.7		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.2		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.21	1.00	ug/L
67-64-1	Acetone	99.4		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	15.7		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.14	1.00	ug/L
79-20-9	Methyl Acetate	20.2		0.36	1.00	ug/L
75-09-2	Methylene Chloride	19.9		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.8		0.16	1.00	ug/L
110-82-7	Cyclohexane	17.9		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.0		0.20	1.00	ug/L
74-97-5	Bromochloromethane	20.4		0.14	1.00	ug/L
67-66-3	Chloroform	20.0		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	18.6		0.16	1.00	ug/L
71-43-2	Benzene	19.5		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.4		0.16	1.00	ug/L
79-01-6	Trichloroethene	18.5		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.1		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	20.4		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.74	5.00	ug/L
108-88-3	Toluene	19.9		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.1		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.3		0.15	1.00	ug/L

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VN0718WBS02	SDG No.:	O3645
Lab Sample ID:	VN0718WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN078554.D	1		07/18/23 12:25	VN071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	22.0		0.13	1.00	ug/L
591-78-6	2-Hexanone	100		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	20.4		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.2		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	17.6		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.8		0.31	2.00	ug/L
1330-20-7	Total Xylenes	58.5		0.46	3.00	ug/L
95-47-6	o-Xylene	17.7		0.15	1.00	ug/L
100-42-5	Styrene	18.1		0.13	1.00	ug/L
75-25-2	Bromoform	20.3		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.7		0.15	1.00	ug/L
103-65-1	n-propylbenzene	19.2		0.15	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	19.2		0.17	1.00	ug/L
98-06-6	tert-Butylbenzene	19.4		0.16	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	19.8		0.16	1.00	ug/L
135-98-8	sec-Butylbenzene	19.2		0.16	1.00	ug/L
99-87-6	p-Isopropyltoluene	19.1		0.16	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.2		0.24	1.00	ug/L
104-51-8	n-Butylbenzene	19.2		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.2		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.5		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.6		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.3		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.0		74 - 125	108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	50.4		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		64 - 133	101%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VN0718WBS02	SDG No.:	O3645
Lab Sample ID:	VN0718WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN078554.D	1		07/18/23 12:25	VN071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	432000	8.23			
540-36-3	1,4-Difluorobenzene	743000	9.106			
3114-55-4	Chlorobenzene-d5	745000	11.871			
3855-82-1	1,4-Dichlorobenzene-d4	252000	13.794			

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VN0718WBSD02	SDG No.:	O3645
Lab Sample ID:	VN0718WBSD02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN078556.D	1		07/18/23 13:13	VN071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.6		0.14	1.00	ug/L
74-87-3	Chloromethane	23.5		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	21.7		0.25	1.00	ug/L
74-83-9	Bromomethane	18.1		1.60	5.00	ug/L
75-00-3	Chloroethane	20.8		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.9		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.0		0.21	1.00	ug/L
67-64-1	Acetone	120		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	17.4		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.1		0.14	1.00	ug/L
79-20-9	Methyl Acetate	21.3		0.36	1.00	ug/L
75-09-2	Methylene Chloride	21.9		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.2		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.5		0.16	1.00	ug/L
110-82-7	Cyclohexane	19.8		1.60	5.00	ug/L
78-93-3	2-Butanone	110		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.7		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.9		0.20	1.00	ug/L
74-97-5	Bromochloromethane	20.3		0.14	1.00	ug/L
67-66-3	Chloroform	22.0		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.7		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	20.9		0.16	1.00	ug/L
71-43-2	Benzene	21.6		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.16	1.00	ug/L
79-01-6	Trichloroethene	21.1		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	22.3		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	21.6		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.74	5.00	ug/L
108-88-3	Toluene	22.0		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	24.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	22.5		0.15	1.00	ug/L

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VN0718WBSD02	SDG No.:	O3645
Lab Sample ID:	VN0718WBSD02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN078556.D	1		07/18/23 13:13	VN071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	25.8		0.13	1.00	ug/L
591-78-6	2-Hexanone	150		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	27.5		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	25.3		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	26.3		0.17	1.00	ug/L
108-90-7	Chlorobenzene	21.8		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	22.0		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	45.2		0.31	2.00	ug/L
1330-20-7	Total Xylenes	67.4		0.46	3.00	ug/L
95-47-6	o-Xylene	22.2		0.15	1.00	ug/L
100-42-5	Styrene	23.1		0.13	1.00	ug/L
75-25-2	Bromoform	23.5		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	20.8		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.5		0.15	1.00	ug/L
103-65-1	n-propylbenzene	21.6		0.15	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	21.5		0.17	1.00	ug/L
98-06-6	tert-Butylbenzene	21.5		0.16	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	21.6		0.16	1.00	ug/L
135-98-8	sec-Butylbenzene	21.4		0.16	1.00	ug/L
99-87-6	p-Isopropyltoluene	22.1		0.16	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.4		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.3		0.24	1.00	ug/L
104-51-8	n-Butylbenzene	21.7		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.2		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.8		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.3		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	48.6		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		64 - 133	97%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	
Project:	Mackenna Parcels	Date Received:	
Client Sample ID:	VN0718WBSD02	SDG No.:	O3645
Lab Sample ID:	VN0718WBSD02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN078556.D	1		07/18/23 13:13	VN071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	485000	8.235			
540-36-3	1,4-Difluorobenzene	833000	9.106			
3114-55-4	Chlorobenzene-d5	717000	11.871			
3855-82-1	1,4-Dichlorobenzene-d4	285000	13.794			

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-04-(1-5)MS	SDG No.:	O3645
Lab Sample ID:	O3645-09MS	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.17 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076762.D	1		07/17/23 18:48	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	41.9		1.40	4.40	ug/Kg
74-87-3	Chloromethane	47.4		0.81	4.40	ug/Kg
75-01-4	Vinyl Chloride	44.9		0.83	4.40	ug/Kg
74-83-9	Bromomethane	37.3		1.10	4.40	ug/Kg
75-00-3	Chloroethane	45.5		0.78	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	42.7		0.94	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	42.5		0.64	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	42.7		0.70	4.40	ug/Kg
67-64-1	Acetone	230		8.30	22.2	ug/Kg
75-15-0	Carbon Disulfide	43.3		2.00	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	45.5		0.58	4.40	ug/Kg
79-20-9	Methyl Acetate	60.5		1.40	4.40	ug/Kg
75-09-2	Methylene Chloride	54.3		5.40	8.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	44.4		0.65	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	46.9		0.64	4.40	ug/Kg
110-82-7	Cyclohexane	39.9		0.62	4.40	ug/Kg
78-93-3	2-Butanone	230		6.50	22.2	ug/Kg
56-23-5	Carbon Tetrachloride	43.7		0.69	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	45.8		0.57	4.40	ug/Kg
74-97-5	Bromochloromethane	47.5		2.10	4.40	ug/Kg
67-66-3	Chloroform	47.0		1.20	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	46.3		0.67	4.40	ug/Kg
108-87-2	Methylcyclohexane	41.4		3.00	4.40	ug/Kg
71-43-2	Benzene	45.1		0.59	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	47.8		0.64	4.40	ug/Kg
79-01-6	Trichloroethene	43.1		0.59	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	46.2		0.52	4.40	ug/Kg
75-27-4	Bromodichloromethane	44.9		0.62	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	230		4.00	22.2	ug/Kg
108-88-3	Toluene	44.5		0.58	4.40	ug/Kg
10061-02-6	t-1,3-Dichloropropene	44.2		0.68	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	44.0		0.66	4.40	ug/Kg

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-04-(1-5)MS	SDG No.:	O3645
Lab Sample ID:	O3645-09MS	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.17 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076762.D	1		07/17/23 18:48	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	46.2		0.76	4.40	ug/Kg
591-78-6	2-Hexanone	220		4.70	22.2	ug/Kg
124-48-1	Dibromochloromethane	46.3		0.75	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	45.3		0.70	4.40	ug/Kg
127-18-4	Tetrachloroethene	62.9		0.68	4.40	ug/Kg
108-90-7	Chlorobenzene	44.1		0.56	4.40	ug/Kg
100-41-4	Ethyl Benzene	43.8		0.59	4.40	ug/Kg
179601-23-1	m/p-Xylenes	87.8		1.30	8.90	ug/Kg
1330-20-7	Total Xylenes	132		1.98	13.3	ug/Kg
95-47-6	o-Xylene	44.1		0.68	4.40	ug/Kg
100-42-5	Styrene	43.6		0.61	4.40	ug/Kg
75-25-2	Bromoform	44.6		0.84	4.40	ug/Kg
98-82-8	Isopropylbenzene	45.6		0.63	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	48.0		0.95	4.40	ug/Kg
103-65-1	n-propylbenzene	44.3		0.62	4.40	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	45.6		0.57	4.40	ug/Kg
98-06-6	tert-Butylbenzene	44.6		0.68	4.40	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	45.5		0.59	4.40	ug/Kg
135-98-8	sec-Butylbenzene	43.5		0.68	4.40	ug/Kg
99-87-6	p-Isopropyltoluene	42.0		0.66	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	42.7		0.60	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	43.3		0.53	4.40	ug/Kg
104-51-8	n-Butylbenzene	37.7		0.60	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	43.7		0.53	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	48.7		1.10	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	33.5		0.54	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	33.8		0.56	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.7		50 - 163	113%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		54 - 147	109%	SPK: 50
2037-26-5	Toluene-d8	50.8		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		30 - 143	100%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-04-(1-5)MS	SDG No.:	O3645
Lab Sample ID:	O3645-09MS	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.17 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076762.D	1		07/17/23 18:48	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	136000	7.869			
540-36-3	1,4-Difluorobenzene	255000	8.775			
3114-55-4	Chlorobenzene-d5	232000	11.58			
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.516			

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

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-04-(1-5)MSD	SDG No.:	O3645
Lab Sample ID:	O3645-10MSD	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076763.D	1		07/17/23 19:17	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	49.8		1.40	4.30	ug/Kg
74-87-3	Chloromethane	56.0		0.79	4.30	ug/Kg
75-01-4	Vinyl Chloride	53.4		0.81	4.30	ug/Kg
74-83-9	Bromomethane	45.9		1.10	4.30	ug/Kg
75-00-3	Chloroethane	52.9		0.76	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	51.0		0.92	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	50.1		0.62	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	50.4		0.69	4.30	ug/Kg
67-64-1	Acetone	260		8.10	21.7	ug/Kg
75-15-0	Carbon Disulfide	49.7		1.90	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	55.2		0.56	4.30	ug/Kg
79-20-9	Methyl Acetate	69.8		1.40	4.30	ug/Kg
75-09-2	Methylene Chloride	62.5		5.30	8.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	50.9		0.63	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	54.8		0.62	4.30	ug/Kg
110-82-7	Cyclohexane	44.2		0.61	4.30	ug/Kg
78-93-3	2-Butanone	270		6.30	21.7	ug/Kg
56-23-5	Carbon Tetrachloride	51.3		0.68	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	55.3		0.56	4.30	ug/Kg
74-97-5	Bromochloromethane	44.7		2.00	4.30	ug/Kg
67-66-3	Chloroform	56.3		1.10	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	53.4		0.66	4.30	ug/Kg
108-87-2	Methylcyclohexane	43.4		2.90	4.30	ug/Kg
71-43-2	Benzene	52.7		0.57	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	55.7		0.62	4.30	ug/Kg
79-01-6	Trichloroethene	49.2		0.57	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	53.9		0.51	4.30	ug/Kg
75-27-4	Bromodichloromethane	54.1		0.61	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	260		3.90	21.7	ug/Kg
108-88-3	Toluene	51.1		0.56	4.30	ug/Kg
10061-02-6	t-1,3-Dichloropropene	51.2		0.67	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	52.2		0.64	4.30	ug/Kg

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-04-(1-5)MSD	SDG No.:	O3645
Lab Sample ID:	O3645-10MSD	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076763.D	1		07/17/23 19:17	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	52.8		0.75	4.30	ug/Kg
591-78-6	2-Hexanone	260		4.60	21.7	ug/Kg
124-48-1	Dibromochloromethane	55.0		0.74	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	52.1		0.69	4.30	ug/Kg
127-18-4	Tetrachloroethene	69.4		0.67	4.30	ug/Kg
108-90-7	Chlorobenzene	50.3		0.55	4.30	ug/Kg
100-41-4	Ethyl Benzene	49.4		0.58	4.30	ug/Kg
179601-23-1	m/p-Xylenes	98.8		1.20	8.70	ug/Kg
1330-20-7	Total Xylenes	150		1.87	13.0	ug/Kg
95-47-6	o-Xylene	50.8		0.67	4.30	ug/Kg
100-42-5	Styrene	50.7		0.60	4.30	ug/Kg
75-25-2	Bromoform	54.5		0.82	4.30	ug/Kg
98-82-8	Isopropylbenzene	50.8		0.62	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	53.6		0.93	4.30	ug/Kg
103-65-1	n-propylbenzene	49.1		0.61	4.30	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	50.2		0.56	4.30	ug/Kg
98-06-6	tert-Butylbenzene	49.2		0.67	4.30	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	50.7		0.58	4.30	ug/Kg
135-98-8	sec-Butylbenzene	46.8		0.67	4.30	ug/Kg
99-87-6	p-Isopropyltoluene	46.3		0.64	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	48.5		0.59	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	48.5		0.52	4.30	ug/Kg
104-51-8	n-Butylbenzene	41.2		0.59	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.5		0.52	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	53.3		1.00	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	40.5		0.53	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	40.6		0.55	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		50 - 163	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		54 - 147	102%	SPK: 50
2037-26-5	Toluene-d8	48.0		58 - 134	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		30 - 143	95%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	LaBella Associates P.C.	Date Collected:	07/12/23
Project:	Mackenna Parcels	Date Received:	07/17/23
Client Sample ID:	SB-04-(1-5)MSD	SDG No.:	O3645
Lab Sample ID:	O3645-10MSD	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD076763.D	1		07/17/23 19:17	VD071723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	155000	7.875			
540-36-3	1,4-Difluorobenzene	288000	8.775			
3114-55-4	Chlorobenzene-d5	267000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.516			

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

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CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: O3645 SAS No.: O3645 SDG No.: O3645

Instrument ID: MSVOA_D Calibration Date(s): 07/14/2023 07/14/2023

Heated Purge: (Y/N) Y Calibration Time(s): 12:50 15:57

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF020 = VD076737.D RRF050 = VD076738.D RRF100 = VD076739.D
RRF150 = VD076740.D RRF005 = VD076742.D RRF =

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.449	0.393	0.359	0.383	0.372		0.391	8.9
Chloromethane	0.718	0.686	0.618	0.587	0.764		0.674	10.7
Vinyl Chloride	0.950	0.906	0.839	0.842	0.958		0.899	6.3
Bromomethane	0.729	0.705	0.690	0.709	0.866		0.740	9.8
Chloroethane	0.705	0.687	0.640	0.629	0.733		0.679	6.4
Trichlorofluoromethane	0.868	0.775	0.756	0.794	0.807		0.800	5.3
1,1,2-Trichlorotrifluoroethane	0.584	0.520	0.491	0.514	0.521		0.526	6.5
1,1-Dichloroethene	0.523	0.494	0.468	0.479	0.508		0.494	4.5
Acetone	0.109	0.123	0.118	0.104	0.141		0.119	12.1
Carbon Disulfide	1.218	1.205	1.127	1.113	1.106		1.154	4.6
Methyl tert-butyl Ether	1.306	1.404	1.328	1.284	1.303		1.325	3.5
Methyl Acetate	0.435	0.465	0.446	0.417	0.471		0.447	5
Methylene Chloride	0.803	0.735	0.659	0.600	2.123		0.984	65.2
trans-1,2-Dichloroethene	0.594	0.601	0.556	0.550	0.571		0.574	3.9
1,1-Dichloroethane	1.046	1.076	1.021	0.968	1.070		1.036	4.2
Cyclohexane	0.789	0.680	0.654	0.675	0.866		0.733	12.4
2-Butanone	0.154	0.170	0.163	0.147	0.162		0.159	5.6
Carbon Tetrachloride	0.423	0.393	0.396	0.407	0.346		0.393	7.3
cis-1,2-Dichloroethene	0.713	0.731	0.719	0.675	0.703		0.708	3
Bromochloromethane	0.294	0.246	0.238	0.216	0.301		0.259	14.3
Chloroform	1.175	1.133	1.115	1.045	1.206		1.135	5.4
1,1,1-Trichloroethane	0.968	0.935	0.909	0.897	0.869		0.916	4.1
Methylcyclohexane	0.509	0.478	0.466	0.492	0.425		0.474	6.7
Benzene	1.349	1.295	1.308	1.256	1.270		1.295	2.8
1,2-Dichloroethane	0.334	0.346	0.344	0.321	0.339		0.337	3
Trichloroethene	0.374	0.358	0.355	0.337	0.341		0.353	4.2
1,2-Dichloropropane	0.344	0.360	0.335	0.315	0.318		0.334	5.6
Bromodichloromethane	0.505	0.518	0.481	0.463	0.490		0.491	4.3
4-Methyl-2-Pentanone	0.185	0.207	0.195	0.181	0.185		0.191	5.6
Toluene	0.856	0.884	0.854	0.841	0.819		0.851	2.8
t-1,3-Dichloropropene	0.433	0.491	0.478	0.453	0.425		0.456	6.2
cis-1,3-Dichloropropene	0.551	0.570	0.545	0.526	0.494		0.537	5.3
1,1,2-Trichloroethane	0.285	0.304	0.292	0.270	0.278		0.286	4.6

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: O3645 SAS No.: O3645 SDG No.: O3645

Instrument ID: MSVOA_D Calibration Date(s): 07/14/2023 07/14/2023

Heated Purge: (Y/N) Y Calibration Time(s): 12:50 15:57

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF020 = VD076737.D RRF050 = VD076738.D RRF100 = VD076739.D
RRF150 = VD076740.D RRF005 = VD076742.D RRF =

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF	$\overline{RRF}$	% RSD
2-Hexanone	0.129	0.148	0.140	0.128	0.134		0.136	6.1
Dibromochloromethane	0.328	0.354	0.341	0.325	0.312		0.332	4.9
1,2-Dibromoethane	0.265	0.287	0.269	0.250	0.254		0.265	5.6
Tetrachloroethene	0.315	0.279	0.277	0.284	0.271		0.285	6
Chlorobenzene	1.067	0.999	1.005	0.991	0.965		1.006	3.7
Ethyl Benzene	1.860	1.760	1.772	1.819	1.620		1.766	5.2
m/p-Xylenes	0.721	0.677	0.696	0.705	0.592		0.678	7.5
o-Xylene	0.668	0.661	0.683	0.678	0.589		0.656	5.9
Styrene	1.182	1.164	1.196	1.190	1.009		1.148	6.9
Bromoform	0.211	0.211	0.214	0.205	0.184		0.205	5.9
Isopropylbenzene	3.774	3.610	3.576	3.657	3.521		3.628	2.6
1,1,2,2-Tetrachloroethane	0.811	0.787	0.765	0.710	0.821		0.779	5.7
n-propylbenzene	4.710	4.375	4.341	4.423	4.139		4.398	4.7
1,3,5-Trimethylbenzene	3.115	2.959	2.954	2.997	2.641		2.933	6
tert-Butylbenzene	2.721	2.623	2.653	2.681	2.237		2.583	7.6
1,2,4-Trimethylbenzene	3.159	3.045	3.028	3.057	2.699		2.997	5.8
sec-Butylbenzene	4.253	3.935	3.926	4.056	3.560		3.946	6.4
p-Isopropyltoluene	3.475	3.289	3.330	3.451	2.749		3.259	9.1
1,3-Dichlorobenzene	1.810	1.738	1.736	1.730	1.597		1.722	4.5
1,4-Dichlorobenzene	1.752	1.677	1.692	1.647	1.669		1.687	2.3
n-Butylbenzene	3.482	3.167	3.145	3.254	2.896		3.189	6.6
1,2-Dichlorobenzene	1.569	1.528	1.488	1.483	1.521		1.518	2.3
1,2-Dibromo-3-Chloropropane	0.115	0.106	0.105	0.096	0.134		0.111	12.9
1,2,4-Trichlorobenzene	0.946	0.924	0.938	0.907	0.918		0.927	1.7
1,2,3-Trichlorobenzene	0.835	0.827	0.836	0.807	0.852		0.831	2
1,2-Dichloroethane-d4	0.534	0.468	0.484	0.449	0.554		0.498	8.9
Dibromofluoromethane	0.345	0.291	0.317	0.285	0.333		0.314	8.2
Toluene-d8	1.271	1.053	1.102	1.042	1.152		1.124	8.3
4-Bromofluorobenzene	0.392	0.351	0.373	0.346	0.357		0.364	5.1

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG No.: 03645

Instrument ID: MSVOA_N Calibration Date(s): 07/10/2023 07/10/2023

Heated Purge: (Y/N) N Calibration Time(s): 12:21 14:46

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

LAB FILE ID: RRF100 = VN078449.D RRF050 = VN078450.D RRF040 = VN078451.D
RRF020 = VN078452.D RRF005 = VN078453.D RRF001 = VN078454.D

COMPOUND	RRF100	RRF050	RRF040	RRF020	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.565	0.586	0.609	0.576	0.691	0.650	0.613	7.9
Chloromethane	0.566	0.614	0.651	0.617	0.733	0.818	0.666	13.9
Vinyl Chloride	0.802	0.813	0.805	0.842	0.936	0.974	0.862	8.7
Bromomethane	0.509	0.569	0.586	0.620	0.795		0.616	17.5
Chloroethane	0.500	0.570	0.523	0.560	0.592	0.751	0.583	15.2
Trichlorofluoromethane	0.945	0.983	0.993	1.010	1.108	1.143	1.030	7.5
1,1,2-Trichlorotrifluoroethane	0.513	0.537	0.542	0.533	0.577	0.569	0.545	4.4
1,1-Dichloroethene	0.502	0.519	0.523	0.509	0.567	0.545	0.528	4.6
Acetone	0.187	0.198	0.207	0.200	0.224	0.237	0.209	8.8
Carbon Disulfide	1.407	1.440	1.438	1.443	1.615	1.810	1.526	10.3
Methyl tert-butyl Ether	1.689	1.768	1.788	1.704	1.781	1.701	1.738	2.6
Methyl Acetate	0.796	0.865	0.866	0.829	0.933	1.015	0.884	8.9
Methylene Chloride	0.585	0.615	0.625	0.603	0.676	0.941	0.674	20
trans-1,2-Dichloroethene	0.562	0.592	0.591	0.581	0.631	0.610	0.595	4
1,1-Dichloroethane	1.032	1.076	1.062	1.056	1.156	1.144	1.088	4.6
Cyclohexane	0.825	0.830	0.882	0.876	1.117		0.906	13.3
2-Butanone	0.314	0.330	0.341	0.326	0.329	0.332	0.329	2.7
Carbon Tetrachloride	0.537	0.526	0.545	0.531	0.518	0.539	0.533	1.8
cis-1,2-Dichloroethene	0.673	0.688	0.696	0.681	0.711	0.678	0.688	2
Bromochloromethane	0.493	0.513	0.504	0.504	0.492	0.567	0.512	5.5
Chloroform	1.098	1.146	1.155	1.118	1.157	1.122	1.132	2.1
1,1,1-Trichloroethane	0.993	1.033	1.043	1.017	1.058	0.948	1.015	3.9
Methylcyclohexane	0.464	0.446	0.453	0.442	0.423	0.455	0.447	3.1
Benzene	1.458	1.443	1.478	1.463	1.450	1.420	1.452	1.4
1,2-Dichloroethane	0.485	0.475	0.487	0.497	0.497	0.522	0.494	3.3
Trichloroethene	0.382	0.371	0.387	0.376	0.373	0.458	0.391	8.5
1,2-Dichloropropane	0.372	0.358	0.368	0.374	0.367	0.367	0.368	1.5
Bromodichloromethane	0.526	0.518	0.522	0.526	0.503	0.518	0.519	1.7
4-Methyl-2-Pentanone	0.410	0.410	0.427	0.420	0.388	0.346	0.400	7.4
Toluene	0.930	0.902	0.936	0.878	0.869	0.885	0.900	3.1
t-1,3-Dichloropropene	0.570	0.543	0.557	0.531	0.513	0.476	0.532	6.3
cis-1,3-Dichloropropene	0.611	0.591	0.601	0.578	0.551	0.467	0.567	9.3
1,1,2-Trichloroethane	0.356	0.351	0.360	0.359	0.348	0.353	0.355	1.3

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: O3645 SAS No.: O3645 SDG No.: O3645

Instrument ID: MSVOA_N Calibration Date(s): 07/10/2023 07/10/2023

Heated Purge: (Y/N) N Calibration Time(s): 12:21 14:46

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

LAB FILE ID: RRF100 = VN078449.D RRF050 = VN078450.D RRF040 = VN078451.D
RRF020 = VN078452.D RRF005 = VN078453.D RRF001 = VN078454.D

COMPOUND	RRF100	RRF050	RRF040	RRF020	RRF005	RRF001	$\overline{RRF}$	% RSD
2-Hexanone	0.293	0.298	0.306	0.291	0.282	0.237	0.284	8.7
Dibromochloromethane	0.412	0.401	0.406	0.393	0.377	0.360	0.391	5
1,2-Dibromoethane	0.373	0.368	0.381	0.366	0.368	0.335	0.365	4.3
Tetrachloroethene	0.366	0.373	0.389	0.396	0.391	0.340	0.376	5.5
Chlorobenzene	1.094	1.095	1.124	1.112	1.139	1.142	1.118	1.9
Ethyl Benzene	1.974	1.945	1.965	1.929	1.860	1.662	1.889	6.3
m/p-Xylenes	0.747	0.737	0.745	0.721	0.704	0.536	0.698	11.7
o-Xylene	0.736	0.718	0.725	0.713	0.686	0.654	0.705	4.3
Styrene	1.222	1.170	1.190	1.117	1.056	0.867	1.104	11.8
Bromoform	0.304	0.306	0.311	0.294	0.297	0.236	0.291	9.5
Isopropylbenzene	4.223	4.339	4.344	4.665	5.480	5.138	4.698	10.8
1,1,2,2-Tetrachloroethane	1.245	1.370	1.396	1.498	1.856	2.152	1.586	21.8
n-propylbenzene	4.818	4.824	4.885	5.017	5.527	5.076	5.024	5.3
1,3,5-Trimethylbenzene	3.386	3.486	3.562	3.773	4.124	3.941	3.712	7.7
tert-Butylbenzene	2.856	2.928	2.931	3.159	3.620	3.415	3.152	9.8
1,2,4-Trimethylbenzene	3.353	3.440	3.566	3.649	4.067	3.560	3.606	6.9
sec-Butylbenzene	3.700	3.733	3.741	3.923	4.614	4.191	3.984	9
p-Isopropyltoluene	3.051	3.079	3.135	3.204	3.565	3.159	3.199	5.9
1,3-Dichlorobenzene	1.729	1.746	1.758	1.767	1.968	1.855	1.804	5.1
1,4-Dichlorobenzene	1.688	1.723	1.710	1.775	1.939	2.064	1.817	8.3
n-Butylbenzene	2.310	2.322	2.343	2.296	2.555	1.906	2.289	9.2
1,2-Dichlorobenzene	1.673	1.724	1.730	1.808	1.985	1.849	1.795	6.3
1,2-Dibromo-3-Chloropropane	0.218	0.227	0.236	0.246	0.277	0.365	0.262	20.8
1,2,4-Trichlorobenzene	0.630	0.609	0.586	0.555	0.512	0.545	0.573	7.6
1,2,3-Trichlorobenzene	0.668	0.660	0.658	0.646	0.627	0.694	0.659	3.4
1,2-Dichloroethane-d4	0.652	0.662	0.657	0.675	0.706		0.670	3.2
Dibromofluoromethane	0.338	0.331	0.330	0.347	0.351		0.339	2.8
Toluene-d8	1.319	1.251	1.247	1.281	1.313		1.282	2.6
4-Bromofluorobenzene	0.430	0.397	0.392	0.388	0.368		0.395	5.7

* 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.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG No.: 03645

Instrument ID: MSVOA_D Calibration Date/Time: 07/17/2023 10:19

Lab File ID: VD076745.D Init. Calib. Date(s): 07/14/2023 07/14/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:50 15:57

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.391	0.373		-4.6	20
Chloromethane	0.674	0.574	0.1	-14.84	20
Vinyl Chloride	0.899	0.842		-6.34	20
Bromomethane	0.740	0.658		-11.08	20
Chloroethane	0.679	0.629		-7.36	20
Trichlorofluoromethane	0.800	0.777		-2.88	20
1,1,2-Trichlorotrifluoroethane	0.526	0.518		-1.52	20
1,1-Dichloroethene	0.494	0.477		-3.44	20
Acetone	0.119	0.126		5.88	20
Carbon Disulfide	1.154	1.116		-3.29	20
Methyl tert-butyl Ether	1.325	1.256		-5.21	20
Methyl Acetate	0.447	0.393		-12.08	20
Methylene Chloride	0.984	0.616		-37.4	20
trans-1,2-Dichloroethene	0.574	0.533		-7.14	20
1,1-Dichloroethane	1.036	1.012	0.1	-2.32	20
Cyclohexane	0.733	0.730		-0.41	20
2-Butanone	0.159	0.161		1.26	20
Carbon Tetrachloride	0.393	0.465		18.32	20
cis-1,2-Dichloroethene	0.708	0.703		-0.71	20
Bromochloromethane	0.259	0.225		-13.13	20
Chloroform	1.135	1.155		1.76	20
1,1,1-Trichloroethane	0.916	0.967		5.57	20
Methylcyclohexane	0.474	0.532		12.24	20
Benzene	1.295	1.388		7.18	20
1,2-Dichloroethane	0.337	0.353		4.75	20
Trichloroethene	0.353	0.390		10.48	20
1,2-Dichloropropane	0.334	0.356		6.59	20
Bromodichloromethane	0.491	0.525		6.93	20
4-Methyl-2-Pentanone	0.191	0.193		1.05	20
Toluene	0.851	0.918		7.87	20
t-1,3-Dichloropropene	0.456	0.488		7.02	20
cis-1,3-Dichloropropene	0.537	0.575		7.08	20
1,1,2-Trichloroethane	0.286	0.301		5.24	20
2-Hexanone	0.136	0.145		6.62	20
Dibromochloromethane	0.332	0.357		7.53	20
1,2-Dibromoethane	0.265	0.276		4.15	20
Tetrachloroethene	0.285	0.326		14.39	20
Chlorobenzene	1.006	1.084	0.3	7.75	20
Ethyl Benzene	1.766	1.924		8.95	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG No.: 03645

Instrument ID: MSVOA_D Calibration Date/Time: 07/17/2023 10:19

Lab File ID: VD076745.D Init. Calib. Date(s): 07/14/2023 07/14/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:50 15:57

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.678	0.753		11.06	20
o-Xylene	0.656	0.716		9.15	20
Styrene	1.148	1.250		8.89	20
Bromoform	0.205	0.229	0.1	11.71	20
Isopropylbenzene	3.628	4.115		13.42	20
1,1,2,2-Tetrachloroethane	0.779	0.814	0.3	4.49	20
n-propylbenzene	4.398	5.048		14.78	20
1,3,5-Trimethylbenzene	2.933	3.385		15.41	20
tert-Butylbenzene	2.583	3.005		16.34	20
1,2,4-Trimethylbenzene	2.997	3.399		13.41	20
sec-Butylbenzene	3.946	4.528		14.75	20
p-Isopropyltoluene	3.259	3.759		15.34	20
1,3-Dichlorobenzene	1.722	1.937		12.48	20
1,4-Dichlorobenzene	1.687	1.884		11.68	20
n-Butylbenzene	3.189	3.576		12.14	20
1,2-Dichlorobenzene	1.518	1.672		10.15	20
1,2-Dibromo-3-Chloropropane	0.111	0.111		0	20
1,2,4-Trichlorobenzene	0.927	1.051		13.38	20
1,2,3-Trichlorobenzene	0.831	0.934		12.4	20
1,2-Dichloroethane-d4	0.498	0.431		-13.45	20
Dibromofluoromethane	0.314	0.296		-5.73	20
Toluene-d8	1.124	1.028		-8.54	20
4-Bromofluorobenzene	0.364	0.336		-7.69	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: O3645 SAS No.: O3645 SDG No.: O3645

Instrument ID: MSVOA_D Calibration Date/Time: 07/18/2023 09:13

Lab File ID: VD076766.D Init. Calib. Date(s): 07/14/2023 07/14/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:50 15:57

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.391	0.378		-3.33	20
Chloromethane	0.674	0.569	0.1	-15.58	20
Vinyl Chloride	0.899	0.834		-7.23	20
Bromomethane	0.740	0.625		-15.54	20
Chloroethane	0.679	0.599		-11.78	20
Trichlorofluoromethane	0.800	0.786		-1.75	20
1,1,2-Trichlorotrifluoroethane	0.526	0.527		0.19	20
1,1-Dichloroethene	0.494	0.459		-7.09	20
Acetone	0.119	0.120		0.84	20
Carbon Disulfide	1.154	1.037		-10.14	20
Methyl tert-butyl Ether	1.325	1.139		-14.04	20
Methyl Acetate	0.447	0.386		-13.65	20
Methylene Chloride	0.984	0.628		-36.18	20
trans-1,2-Dichloroethene	0.574	0.510		-11.15	20
1,1-Dichloroethane	1.036	0.936	0.1	-9.65	20
Cyclohexane	0.733	0.685		-6.55	20
2-Butanone	0.159	0.148		-6.92	20
Carbon Tetrachloride	0.393	0.415		5.6	20
cis-1,2-Dichloroethene	0.708	0.643		-9.18	20
Bromochloromethane	0.259	0.215		-16.99	20
Chloroform	1.135	1.047		-7.75	20
1,1,1-Trichloroethane	0.916	0.900		-1.75	20
Methylcyclohexane	0.474	0.487		2.74	20
Benzene	1.295	1.232		-4.86	20
1,2-Dichloroethane	0.337	0.322		-4.45	20
Trichloroethene	0.353	0.338		-4.25	20
1,2-Dichloropropane	0.334	0.318		-4.79	20
Bromodichloromethane	0.491	0.458		-6.72	20
4-Methyl-2-Pentanone	0.191	0.176		-7.85	20
Toluene	0.851	0.806		-5.29	20
t-1,3-Dichloropropene	0.456	0.425		-6.8	20
cis-1,3-Dichloropropene	0.537	0.492		-8.38	20
1,1,2-Trichloroethane	0.286	0.264		-7.69	20
2-Hexanone	0.136	0.129		-5.15	20
Dibromochloromethane	0.332	0.328		-1.21	20
1,2-Dibromoethane	0.265	0.239		-9.81	20
Tetrachloroethene	0.285	0.304		6.67	20
Chlorobenzene	1.006	0.990	0.3	-1.59	20
Ethyl Benzene	1.766	1.786		1.13	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG No.: 03645

Instrument ID: MSVOA_D Calibration Date/Time: 07/18/2023 09:13

Lab File ID: VD076766.D Init. Calib. Date(s): 07/14/2023 07/14/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:50 15:57

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.678	0.693		2.21	20
o-Xylene	0.656	0.661		0.76	20
Styrene	1.148	1.153		0.44	20
Bromoform	0.205	0.208	0.1	1.46	20
Isopropylbenzene	3.628	3.709		2.23	20
1,1,2,2-Tetrachloroethane	0.779	0.744	0.3	-4.49	20
n-propylbenzene	4.398	4.586		4.28	20
1,3,5-Trimethylbenzene	2.933	3.010		2.63	20
tert-Butylbenzene	2.583	2.727		5.57	20
1,2,4-Trimethylbenzene	2.997	3.007		0.33	20
sec-Butylbenzene	3.946	4.229		7.17	20
p-Isopropyltoluene	3.259	3.439		5.52	20
1,3-Dichlorobenzene	1.722	1.726		0.23	20
1,4-Dichlorobenzene	1.687	1.656		-1.84	20
n-Butylbenzene	3.189	3.329		4.39	20
1,2-Dichlorobenzene	1.518	1.470		-3.16	20
1,2-Dibromo-3-Chloropropane	0.111	0.096		-13.51	20
1,2,4-Trichlorobenzene	0.927	0.894		-3.56	20
1,2,3-Trichlorobenzene	0.831	0.800		-3.73	20
1,2-Dichloroethane-d4	0.498	0.417		-16.26	20
Dibromofluoromethane	0.314	0.285		-9.24	20
Toluene-d8	1.124	1.015		-9.7	20
4-Bromofluorobenzene	0.364	0.329		-9.61	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG No.: 03645

Instrument ID: MSVOA_N Calibration Date/Time: 07/18/2023 10:29

Lab File ID: VN078550.D Init. Calib. Date(s): 07/10/2023 07/10/2023

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:21 14:46

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.613	0.516		-15.82	20
Chloromethane	0.666	0.661	0.1	-0.75	20
Vinyl Chloride	0.862	0.831		-3.6	20
Bromomethane	0.616	0.530		-13.96	20
Chloroethane	0.583	0.515		-11.66	20
Trichlorofluoromethane	1.030	0.939		-8.84	20
1,1,2-Trichlorotrifluoroethane	0.545	0.527		-3.3	20
1,1-Dichloroethene	0.528	0.490		-7.2	20
Acetone	0.209	0.196		-6.22	20
Carbon Disulfide	1.526	1.215		-20.38	20
Methyl tert-butyl Ether	1.738	1.647		-5.24	20
Methyl Acetate	0.884	0.773		-12.56	20
Methylene Chloride	0.674	0.573		-14.98	20
trans-1,2-Dichloroethene	0.595	0.552		-7.23	20
1,1-Dichloroethane	1.088	1.005	0.1	-7.63	20
Cyclohexane	0.906	0.757		-16.45	20
2-Butanone	0.329	0.304		-7.6	20
Carbon Tetrachloride	0.533	0.547		2.63	20
cis-1,2-Dichloroethene	0.688	0.671		-2.47	20
Bromochloromethane	0.512	0.496		-3.13	20
Chloroform	1.132	1.120		-1.06	20
1,1,1-Trichloroethane	1.015	0.998		-1.67	20
Methylcyclohexane	0.447	0.455		1.79	20
Benzene	1.452	1.472		1.38	20
1,2-Dichloroethane	0.494	0.513		3.85	20
Trichloroethene	0.391	0.393		0.51	20
1,2-Dichloropropane	0.368	0.379		2.99	20
Bromodichloromethane	0.519	0.552		6.36	20
4-Methyl-2-Pentanone	0.400	0.407		1.75	20
Toluene	0.900	0.945		5	20
t-1,3-Dichloropropene	0.532	0.559		5.07	20
cis-1,3-Dichloropropene	0.567	0.609		7.41	20
1,1,2-Trichloroethane	0.355	0.373		5.07	20
2-Hexanone	0.284	0.285		0.35	20
Dibromochloromethane	0.391	0.425		8.7	20
1,2-Dibromoethane	0.365	0.385		5.48	20
Tetrachloroethene	0.376	0.388		3.19	20
Chlorobenzene	1.118	1.128	0.3	0.89	20
Ethyl Benzene	1.889	1.952		3.34	20

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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG No.: 03645

Instrument ID: MSVOA_N Calibration Date/Time: 07/18/2023 10:29

Lab File ID: VN078550.D Init. Calib. Date(s): 07/10/2023 07/10/2023

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:21 14:46

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.698	0.751		7.59	20
o-Xylene	0.705	0.728		3.26	20
Styrene	1.104	1.212		9.78	20
Bromoform	0.291	0.318	0.1	9.28	20
Isopropylbenzene	4.698	4.460		-5.07	20
1,1,2,2-Tetrachloroethane	1.586	1.371	0.3	-13.56	20
n-propylbenzene	5.024	5.004		-0.4	20
1,3,5-Trimethylbenzene	3.712	3.663		-1.32	20
tert-Butylbenzene	3.152	3.070		-2.6	20
1,2,4-Trimethylbenzene	3.606	3.589		-0.47	20
sec-Butylbenzene	3.984	3.958		-0.65	20
p-Isopropyltoluene	3.199	3.249		1.56	20
1,3-Dichlorobenzene	1.804	1.838		1.88	20
1,4-Dichlorobenzene	1.817	1.768		-2.7	20
n-Butylbenzene	2.289	2.369		3.49	20
1,2-Dichlorobenzene	1.795	1.784		-0.61	20
1,2-Dibromo-3-Chloropropane	0.262	0.215		-17.94	20
1,2,4-Trichlorobenzene	0.573	0.572		-0.17	20
1,2,3-Trichlorobenzene	0.659	0.623		-5.46	20
1,2-Dichloroethane-d4	0.670	0.659		-1.64	20
Dibromofluoromethane	0.339	0.373		10.03	20
Toluene-d8	1.282	1.384		7.96	20
4-Bromofluorobenzene	0.395	0.439		11.14	20

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