



284 Sheffield Street, Mountainside, New Jersey - 07092

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LAB CHRONICLE

OrderID:	M1785	OrderDate:	3/23/2021 12:41:00 PM
Client:	Chazen Companies	Project:	Ebenzer Plaza-1 - 20918.10
Contact:	Kevin McGrath	Location:	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
M1785-10	MW-1	Water	VOCMS Group2	8260-Low	03/23/21		03/29/21	03/23/21
M1785-13	MW-2	Water	VOCMS Group2	8260-Low	03/23/21		03/29/21	03/23/21
M1785-14	MW-3R	Water	VOCMS Group2	8260-Low	03/23/21		03/29/21	03/23/21
M1785-14D L	MW-3RDL	Water	VOCMS Group2	8260-Low	03/23/21		03/29/21	03/23/21
M1785-15	MW-4	Water	VOCMS Group2	8260-Low	03/23/21		03/29/21	03/23/21
M1785-16	MW-5R	Water	VOCMS Group2	8260-Low	03/23/21		03/29/21	03/23/21
M1785-17	FD-032321	Water	VOCMS Group2	8260-Low	03/23/21		03/29/21	03/23/21
M1785-18	TRIP-BLANK	Water	VOCMS Group2	8260-Low	03/23/21		03/29/21	03/23/21

Hit Summary Sheet SW-846

SDG No.: M1785

Client: Chazen Companies

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW-1							
M1785-10	MW-1	Water	Trichloroethene	12.80		1.70	10.0	ug/L
M1785-10	MW-1	Water	Ethyl Benzene	13.40		1.80	10.0	ug/L
M1785-10	MW-1	Water	Total Xylenes	21.30	J	5.10	30.0	ug/L
M1785-10	MW-1	Water	Isopropylbenzene	300.00		2.30	10.0	ug/L
M1785-10	MW-1	Water	n-propylbenzene	500.00		2.40	10.0	ug/L
M1785-10	MW-1	Water	tert-Butylbenzene	36.50		2.60	10.0	ug/L
M1785-10	MW-1	Water	1,2,4-Trimethylbenzene	810.00		2.00	10.0	ug/L
M1785-10	MW-1	Water	sec-Butylbenzene	130.00		2.30	10.0	ug/L
M1785-10	MW-1	Water	n-Butylbenzene	62.20		1.90	10.0	ug/L
			Total Voc :	1886.2				
M1785-10	MW-1	Water	Benzene, 1,2-diethyl-	* 94.50	J	0	0	ug/L
M1785-10	MW-1	Water	Benzene, 1,2,3,4-tetramethyl-	* 140.00	J	0	0	ug/L
M1785-10	MW-1	Water	Benzene, 1,2,3-trimethyl-	* 87.80	J	0	0	ug/L
M1785-10	MW-1	Water	o-Cymene	* 89.80	J	0	0	ug/L
M1785-10	MW-1	Water	Benzene, 1-ethenyl-4-methyl-	* 620.00	J	0	0	ug/L
M1785-10	MW-1	Water	Benzene, 4-ethyl-1,2-dimethyl-	* 160.00	J	0	0	ug/L
M1785-10	MW-1	Water	(E)-1-Phenyl-1-butene	* 79.80	J	0	0	ug/L
M1785-10	MW-1	Water	Benzene, 2-ethyl-1,4-dimethyl-	* 300.00	J	0	0	ug/L
M1785-10	MW-1	Water	Benzene, 1-ethenyl-4-ethyl-	* 310.00	J	0	0	ug/L
M1785-10	MW-1	Water	1H-Indene, 2,3-dihydro-1,6-din	* 60.80	J	0	0	ug/L
M1785-10	MW-1	Water	m/p-Xylenes	* 21.30	J	3.20	20.0	ug/L
M1785-10	MW-1	Water	Alkylbenzenes, Total	* 1,800.00	J	18.1	80.0	ug/L
M1785-10	MW-1	Water	Naphthalene	* 34.30	J	2.60	10.0	ug/L
			Total Tics :	3798.3				
			Total Concentration:	3863.2				
Client ID:	MW-2							
M1785-13	MW-2	Water	Ethyl Benzene	57.20		1.80	10.0	ug/L
M1785-13	MW-2	Water	Total Xylenes	62.80		5.10	30.0	ug/L
M1785-13	MW-2	Water	Isopropylbenzene	190.00		2.30	10.0	ug/L
M1785-13	MW-2	Water	n-propylbenzene	320.00		2.40	10.0	ug/L
M1785-13	MW-2	Water	1,3,5-Trimethylbenzene	37.00		2.50	10.0	ug/L
M1785-13	MW-2	Water	tert-Butylbenzene	22.50		2.60	10.0	ug/L
M1785-13	MW-2	Water	1,2,4-Trimethylbenzene	1,200.00		2.00	10.0	ug/L
M1785-13	MW-2	Water	sec-Butylbenzene	88.70		2.30	10.0	ug/L
M1785-13	MW-2	Water	n-Butylbenzene	50.70		1.90	10.0	ug/L
			Total Voc :	2028.9				
M1785-13	MW-2	Water	Benzene, 1,2,4,5-tetramethyl-	* 100.00	J	0	0	ug/L

Hit Summary Sheet

SW-846

SDG No.: M1785

Client: Chazen Companies

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M1785-13	MW-2	Water	Benzene, 1,2,3-trimethyl-	* 440.00	J	0	0	ug/L
M1785-13	MW-2	Water	Benzene, 1,2,3,5-tetramethyl-	* 120.00	J	0	0	ug/L
M1785-13	MW-2	Water	Benzene, 1-ethyl-2-methyl-	* 160.00	J	0	0	ug/L
M1785-13	MW-2	Water	Benzene, 1-ethenyl-2-methyl-	* 400.00	J	0	0	ug/L
M1785-13	MW-2	Water	Benzene, (2-methyl-1-propenyl)	* 210.00	J	0	0	ug/L
M1785-13	MW-2	Water	Benzene, 1-ethyl-2,3-dimethyl-	* 64.70	J	0	0	ug/L
M1785-13	MW-2	Water	Benzene, 4-ethyl-1,2-dimethyl-	* 200.00	J	0	0	ug/L
M1785-13	MW-2	Water	Benzene, 2-butenyl-	* 130.00	J	0	0	ug/L
M1785-13	MW-2	Water	2,2-Dimethylindene, 2,3-dihyd	* 57.50	J	0	0	ug/L
M1785-13	MW-2	Water	m/p-Xylenes	* 62.80	J	3.20	20.0	ug/L
M1785-13	MW-2	Water	Alkylbenzenes, Total	* 1,900.00	J	18.1	80.0	ug/L
M1785-13	MW-2	Water	p-Isopropyltoluene	* 15.60	J	2.10	10.0	ug/L
M1785-13	MW-2	Water	Naphthalene	* 42.00	J	2.60	10.0	ug/L
Total Tics :				3902.6				
Total Concentration:				3968.7				
Client ID:	MW-3R							
M1785-14	MW-3R	Water	Methylcyclohexane	10.60		1.40	10.0	ug/L
M1785-14	MW-3R	Water	Ethyl Benzene	33.30		1.80	10.0	ug/L
M1785-14	MW-3R	Water	Total Xylenes	142.00		5.10	30.0	ug/L
M1785-14	MW-3R	Water	Isopropylbenzene	150.00		2.30	10.0	ug/L
M1785-14	MW-3R	Water	n-propylbenzene	290.00		2.40	10.0	ug/L
M1785-14	MW-3R	Water	1,3,5-Trimethylbenzene	77.20		2.50	10.0	ug/L
M1785-14	MW-3R	Water	tert-Butylbenzene	32.90		2.60	10.0	ug/L
M1785-14	MW-3R	Water	1,2,4-Trimethylbenzene	1,600.00	E	2.00	10.0	ug/L
M1785-14	MW-3R	Water	sec-Butylbenzene	140.00		2.30	10.0	ug/L
M1785-14	MW-3R	Water	n-Butylbenzene	97.70		1.90	10.0	ug/L
Total Voc :				2573.7				
M1785-14	MW-3R	Water	Benzene, 1,2,4,5-tetramethyl-	* 98.50	J	0	0	ug/L
M1785-14	MW-3R	Water	Benzene, 2-propenyl-	* 420.00	J	0	0	ug/L
M1785-14	MW-3R	Water	Benzene, 1,2,3-trimethyl-	* 400.00	J	0	0	ug/L
M1785-14	MW-3R	Water	Benzene, 1,2,3,5-tetramethyl-	* 120.00	J	0	0	ug/L
M1785-14	MW-3R	Water	o-Cymene	* 270.00	J	0	0	ug/L
M1785-14	MW-3R	Water	Cyclohexene, 4-methyl-	* 97.50	J	0	0	ug/L
M1785-14	MW-3R	Water	Benzene, (1-methyl-1-propenyl)* (	160.00	J	0	0	ug/L
M1785-14	MW-3R	Water	Benzene, (2-methyl-1-propenyl)*	250.00	J	0	0	ug/L
M1785-14	MW-3R	Water	Benzene, 2-ethyl-1,4-dimethyl-	* 140.00	J	0	0	ug/L
M1785-14	MW-3R	Water	m/p-Xylenes	* 130.00	J	3.20	20.0	ug/L

Hit Summary Sheet SW-846

SDG No.: M1785
Client: Chazen Companies

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M1785-14	MW-3R	Water	o-Xylene	* 12.00	J	1.90	10.0	ug/L
M1785-14	MW-3R	Water	Alkylbenzenes, Total	* 2,400.00	J	18.1	80.0	ug/L
M1785-14	MW-3R	Water	p-Isopropyltoluene	* 39.70	J	2.10	10.0	ug/L
M1785-14	MW-3R	Water	Naphthalene	* 7.50	J	2.60	10.0	ug/L
Total Tics :				4545.2				
Total Concentration:				4580.0				
Client ID:	MW-3RDL							
M1785-14DL	MW-3RDL	Water	Methylcyclohexane	17.60	JD	5.70	40.0	ug/L
M1785-14DL	MW-3RDL	Water	Ethyl Benzene	52.00	D	7.30	40.0	ug/L
M1785-14DL	MW-3RDL	Water	Total Xylenes	218.00	D	20.4	120	ug/L
M1785-14DL	MW-3RDL	Water	Isopropylbenzene	200.00	D	9.20	40.0	ug/L
M1785-14DL	MW-3RDL	Water	n-propylbenzene	360.00	D	9.60	40.0	ug/L
M1785-14DL	MW-3RDL	Water	1,3,5-Trimethylbenzene	90.80	D	9.90	40.0	ug/L
M1785-14DL	MW-3RDL	Water	tert-Butylbenzene	36.40	JD	10.3	40.0	ug/L
M1785-14DL	MW-3RDL	Water	1,2,4-Trimethylbenzene	2,000.00	D	8.00	40.0	ug/L
M1785-14DL	MW-3RDL	Water	sec-Butylbenzene	150.00	D	9.00	40.0	ug/L
M1785-14DL	MW-3RDL	Water	n-Butylbenzene	93.20	D	7.60	40.0	ug/L
Total Voc :				3218.4				
Total Concentration:				3218.4				
Client ID:	MW-4							
M1785-15	MW-4	Water	Ethyl Benzene	110.00		3.60	20.0	ug/L
M1785-15	MW-4	Water	Total Xylenes	68.80		10.2	60.0	ug/L
M1785-15	MW-4	Water	Isopropylbenzene	100.00		4.60	20.0	ug/L
M1785-15	MW-4	Water	n-propylbenzene	170.00		4.80	20.0	ug/L
M1785-15	MW-4	Water	1,3,5-Trimethylbenzene	39.00		4.90	20.0	ug/L
M1785-15	MW-4	Water	tert-Butylbenzene	16.00	J	5.20	20.0	ug/L
M1785-15	MW-4	Water	1,2,4-Trimethylbenzene	1,600.00		4.00	20.0	ug/L
M1785-15	MW-4	Water	sec-Butylbenzene	61.40		4.50	20.0	ug/L
M1785-15	MW-4	Water	n-Butylbenzene	40.40		3.80	20.0	ug/L
Total Voc :				2205.6				
M1785-15	MW-4	Water	Benzene, 1,2,4,5-tetramethyl-	* 110.00	J	0	0	ug/L
M1785-15	MW-4	Water	Indane	* 350.00	J	0	0	ug/L
M1785-15	MW-4	Water	Benzene, 1,2,3-trimethyl-	* 950.00	J	0	0	ug/L
M1785-15	MW-4	Water	o-Cymene	* 110.00	J	0	0	ug/L
M1785-15	MW-4	Water	Benzene, 1-ethyl-2-methyl-	* 100.00	J	0	0	ug/L
M1785-15	MW-4	Water	1-Phenyl-1-butene	* 220.00	J	0	0	ug/L
M1785-15	MW-4	Water	3-Phenylbut-1-ene	* 150.00	J	0	0	ug/L
M1785-15	MW-4	Water	Benzene, 4-ethyl-1,2-dimethyl-	* 170.00	J	0	0	ug/L

Hit Summary Sheet SW-846

SDG No.: M1785
Client: Chazen Companies

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M1785-15	MW-4	Water	m/p-Xylenes	* 68.80	J	6.50	40.0	ug/L
M1785-15	MW-4	Water	Alkylbenzenes, Total	* 2,000.00	J	35.9	160	ug/L
M1785-15	MW-4	Water	p-Isopropyltoluene	* 16.00	J	4.10	20.0	ug/L
M1785-15	MW-4	Water	Naphthalene	* 100.00	J	5.20	20.0	ug/L
Total Tics :				4344.8				
Total Concentration:				4481.6				
Client ID:	MW-5R							
M1785-16	MW-5R	Water	Ethyl Benzene	18.10		1.80	10.0	ug/L
M1785-16	MW-5R	Water	Total Xylenes	115.00		5.10	30.0	ug/L
M1785-16	MW-5R	Water	Isopropylbenzene	180.00		2.30	10.0	ug/L
M1785-16	MW-5R	Water	n-propylbenzene	360.00		2.40	10.0	ug/L
M1785-16	MW-5R	Water	1,3,5-Trimethylbenzene	270.00		2.50	10.0	ug/L
M1785-16	MW-5R	Water	tert-Butylbenzene	31.50		2.60	10.0	ug/L
M1785-16	MW-5R	Water	1,2,4-Trimethylbenzene	1,200.00		2.00	10.0	ug/L
M1785-16	MW-5R	Water	sec-Butylbenzene	140.00		2.30	10.0	ug/L
M1785-16	MW-5R	Water	n-Butylbenzene	130.00		1.90	10.0	ug/L
Total Voc :				2445				
M1785-16	MW-5R	Water	Benzene, 1,2,4,5-tetramethyl-	* 260.00	J	0	0	ug/L
M1785-16	MW-5R	Water	Benzene, 1,2-diethyl-	* 120.00	J	0	0	ug/L
M1785-16	MW-5R	Water	Benzene, 1,2,3-trimethyl-	* 600.00	J	0	0	ug/L
M1785-16	MW-5R	Water	Benzene, 1,2,3,5-tetramethyl-	* 110.00	J	0	0	ug/L
M1785-16	MW-5R	Water	o-Cymene	* 470.00	J	0	0	ug/L
M1785-16	MW-5R	Water	Benzene, 1-ethyl-2-methyl-	* 240.00	J	0	0	ug/L
M1785-16	MW-5R	Water	Benzene, 1-ethenyl-4-methyl-	* 660.00	J	0	0	ug/L
M1785-16	MW-5R	Water	Indan, 1-methyl-	* 430.00	J	0	0	ug/L
M1785-16	MW-5R	Water	1-Phenyl-1-butene	* 130.00	J	0	0	ug/L
M1785-16	MW-5R	Water	Benzene, 4-ethyl-1,2-dimethyl-	* 440.00	J	0	0	ug/L
M1785-16	MW-5R	Water	m/p-Xylenes	* 110.00	J	3.20	20.0	ug/L
M1785-16	MW-5R	Water	o-Xylene	* 5.40	J	1.90	10.0	ug/L
M1785-16	MW-5R	Water	Alkylbenzenes, Total	* 2,300.00	J	18.1	80.0	ug/L
M1785-16	MW-5R	Water	Naphthalene	* 6.30	J	2.60	10.0	ug/L
Total Tics :				5881.7				
Total Concentration:				5911.3				
Client ID:	FD-032321							
M1785-17	FD-032321	Water	Trichloroethene	3.20	J	1.70	10.0	ug/L
M1785-17	FD-032321	Water	Ethyl Benzene	20.00		1.80	10.0	ug/L
M1785-17	FD-032321	Water	Total Xylenes	126.00		5.10	30.0	ug/L
M1785-17	FD-032321	Water	Isopropylbenzene	230.00		2.30	10.0	ug/L

Hit Summary Sheet SW-846

SDG No.: M1785
Client: Chazen Companies

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
M1785-17	FD-032321	Water	n-propylbenzene	450.00		2.40	10.0	ug/L
M1785-17	FD-032321	Water	1,3,5-Trimethylbenzene	320.00		2.50	10.0	ug/L
M1785-17	FD-032321	Water	tert-Butylbenzene	39.30		2.60	10.0	ug/L
M1785-17	FD-032321	Water	1,2,4-Trimethylbenzene	1,400.00		2.00	10.0	ug/L
M1785-17	FD-032321	Water	sec-Butylbenzene	160.00		2.30	10.0	ug/L
M1785-17	FD-032321	Water	n-Butylbenzene	140.00		1.90	10.0	ug/L
Total Voc :				2888				
M1785-17	FD-032321	Water	Benzene, 1,2-diethyl-	* 150.00	J	0	0	ug/L
M1785-17	FD-032321	Water	Benzene, 1,2,3,4-tetramethyl-	* 540.00	J	0	0	ug/L
M1785-17	FD-032321	Water	Benzene, 1,2,3-trimethyl-	* 720.00	J	0	0	ug/L
M1785-17	FD-032321	Water	Benzene, 1,2,3,5-tetramethyl-	* 290.00	J	0	0	ug/L
M1785-17	FD-032321	Water	o-Cymene	* 490.00	J	0	0	ug/L
M1785-17	FD-032321	Water	Benzene, 1-ethenyl-2-methyl-	* 790.00	J	0	0	ug/L
M1785-17	FD-032321	Water	Benzene, 1-ethyl-3-methyl-	* 300.00	J	0	0	ug/L
M1785-17	FD-032321	Water	Indan, 1-methyl-	* 500.00	J	0	0	ug/L
M1785-17	FD-032321	Water	(E)-1-Phenyl-1-butene	* 140.00	J	0	0	ug/L
M1785-17	FD-032321	Water	Benzene, 2-ethyl-1,4-dimethyl-	* 120.00	J	0	0	ug/L
M1785-17	FD-032321	Water	m/p-Xylenes	* 120.00	J	3.20	20.0	ug/L
M1785-17	FD-032321	Water	o-Xylene	* 5.50	J	1.90	10.0	ug/L
M1785-17	FD-032321	Water	Alkylbenzenes, Total	* 2,700.00	J	18.1	80.0	ug/L
M1785-17	FD-032321	Water	Naphthalene	* 7.30	J	2.60	10.0	ug/L
Total Tics :				6872.8				
Total Concentration:				6935.3				
Client ID:	TRIP-BLANK							
M1785-18	TRIP-BLANK	Water	Acetone	4.50	J	1.60	5.00	ug/L
Total Voc :				4.5				
Total Concentration:				4.5				

SAMPLE DATA

A

B

C

D

E

F

G

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-1	SDG No.:	M1785
Lab Sample ID:	M1785-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021571.D	10		03/29/21 12:55	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	U	2.30	10.0	ug/L
74-87-3	Chloromethane	10.0	U	2.00	10.0	ug/L
75-01-4	Vinyl Chloride	10.0	U	1.90	10.0	ug/L
74-83-9	Bromomethane	50.0	U	8.70	50.0	ug/L
75-00-3	Chloroethane	10.0	U	3.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	U	2.50	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	U	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	U	2.60	10.0	ug/L
67-64-1	Acetone	50.0	U	16.1	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	U	2.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	U	2.20	10.0	ug/L
79-20-9	Methyl Acetate	10.0	U	4.70	10.0	ug/L
75-09-2	Methylene Chloride	10.0	U	1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	U	1.90	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	U	2.10	10.0	ug/L
110-82-7	Cyclohexane	50.0	U	13.0	50.0	ug/L
78-93-3	2-Butanone	50.0	U	9.00	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	U	2.70	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	10.0	U	2.20	10.0	ug/L
74-97-5	Bromochloromethane	10.0	U	2.60	10.0	ug/L
67-66-3	Chloroform	10.0	U	2.70	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	2.00	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	U	1.40	10.0	ug/L
71-43-2	Benzene	10.0	U	1.80	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	U	2.50	10.0	ug/L
79-01-6	Trichloroethene	12.8		1.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	U	1.70	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	U	2.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	U	8.70	50.0	ug/L
108-88-3	Toluene	10.0	U	2.20	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	U	1.80	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	U	1.70	10.0	ug/L

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-1	SDG No.:	M1785
Lab Sample ID:	M1785-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021571.D	10		03/29/21 12:55	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10.0	U	2.40	10.0	ug/L
591-78-6	2-Hexanone	50.0	U	9.20	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	U	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	U	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	10.0	U	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	U	1.70	10.0	ug/L
100-41-4	Ethyl Benzene	13.4		1.80	10.0	ug/L
1330-20-7	Total Xylenes	21.3	J	5.10	30.0	ug/L
100-42-5	Styrene	10.0	U	1.60	10.0	ug/L
75-25-2	Bromoform	10.0	U	1.90	10.0	ug/L
98-82-8	Isopropylbenzene	300		2.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	U	2.90	10.0	ug/L
103-65-1	n-propylbenzene	500		2.40	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	10.0	U	2.50	10.0	ug/L
98-06-6	tert-Butylbenzene	36.5		2.60	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	810		2.00	10.0	ug/L
135-98-8	sec-Butylbenzene	130		2.30	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	U	1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	U	2.00	10.0	ug/L
104-51-8	n-Butylbenzene	62.2		1.90	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	U	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	U	4.70	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	U	3.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	U	3.50	10.0	ug/L
123-91-1	1,4-Dioxane	1000	U	69.8	1000	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.6		78 - 117	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	50.1		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	58500	5.629			
540-36-3	1,4-Difluorobenzene	105000	6.829			

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-1	SDG No.:	M1785
Lab Sample ID:	M1785-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021571.D	10		03/29/21 12:55	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
3114-55-4	Chlorobenzene-d5	106000	10.094			
3855-82-1	1,4-Dichlorobenzene-d4	48200	12.059			
TENTATIVE IDENTIFIED COMPOUNDS						
179601-23-1	m/p-Xylenes	21.3	J		10.3	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	87.8	J		12.1	ug/L
000527-84-4	o-Cymene	89.8	J		12.2	ug/L
000622-97-9	Benzene, 1-ethenyl-4-methyl-	620	J		12.3	ug/L
000135-01-3	Benzene, 1,2-diethyl-	94.5	J		12.4	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	300	J		12.7	ug/L
001005-64-7	(E)-1-Phenyl-1-butene	79.8	J		12.7	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	310	J		12.7	ug/L
017059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethy	60.8	J		12.9	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	140	J		13.0	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	160	J		13.3	ug/L
91-20-3	Naphthalene	34.3	J		13.8	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-2	SDG No.:	M1785
Lab Sample ID:	M1785-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021579.D	10		03/29/21 16:02	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	U	2.30	10.0	ug/L
74-87-3	Chloromethane	10.0	U	2.00	10.0	ug/L
75-01-4	Vinyl Chloride	10.0	U	1.90	10.0	ug/L
74-83-9	Bromomethane	50.0	U	8.70	50.0	ug/L
75-00-3	Chloroethane	10.0	U	3.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	U	2.50	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	U	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	U	2.60	10.0	ug/L
67-64-1	Acetone	50.0	U	16.1	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	U	2.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	U	2.20	10.0	ug/L
79-20-9	Methyl Acetate	10.0	U	4.70	10.0	ug/L
75-09-2	Methylene Chloride	10.0	U	1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	U	1.90	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	U	2.10	10.0	ug/L
110-82-7	Cyclohexane	50.0	U	13.0	50.0	ug/L
78-93-3	2-Butanone	50.0	U	9.00	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	U	2.70	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	10.0	U	2.20	10.0	ug/L
74-97-5	Bromochloromethane	10.0	U	2.60	10.0	ug/L
67-66-3	Chloroform	10.0	U	2.70	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	2.00	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	U	1.40	10.0	ug/L
71-43-2	Benzene	10.0	U	1.80	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	U	2.50	10.0	ug/L
79-01-6	Trichloroethene	10.0	U	1.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	U	1.70	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	U	2.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	U	8.70	50.0	ug/L
108-88-3	Toluene	10.0	U	2.20	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	U	1.80	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	U	1.70	10.0	ug/L

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-2	SDG No.:	M1785
Lab Sample ID:	M1785-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021579.D	10		03/29/21 16:02	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10.0	U	2.40	10.0	ug/L
591-78-6	2-Hexanone	50.0	U	9.20	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	U	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	U	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	10.0	U	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	U	1.70	10.0	ug/L
100-41-4	Ethyl Benzene	57.2		1.80	10.0	ug/L
1330-20-7	Total Xylenes	62.8		5.10	30.0	ug/L
100-42-5	Styrene	10.0	U	1.60	10.0	ug/L
75-25-2	Bromoform	10.0	U	1.90	10.0	ug/L
98-82-8	Isopropylbenzene	190		2.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	U	2.90	10.0	ug/L
103-65-1	n-propylbenzene	320		2.40	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	37.0		2.50	10.0	ug/L
98-06-6	tert-Butylbenzene	22.5		2.60	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	1200		2.00	10.0	ug/L
135-98-8	sec-Butylbenzene	88.7		2.30	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	U	1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	U	2.00	10.0	ug/L
104-51-8	n-Butylbenzene	50.7		1.90	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	U	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	U	4.70	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	U	3.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	U	3.50	10.0	ug/L
123-91-1	1,4-Dioxane	1000	U	69.8	1000	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		78 - 117	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	51.1		92 - 112	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.1		83 - 123	118%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	59200	5.629			
540-36-3	1,4-Difluorobenzene	110000	6.829			

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-2	SDG No.:	M1785
Lab Sample ID:	M1785-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021579.D	10		03/29/21 16:02	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
3114-55-4	Chlorobenzene-d5	115000	10.094			
3855-82-1	1,4-Dichlorobenzene-d4	57700	12.059			
TENTATIVE IDENTIFIED COMPOUNDS						
179601-23-1	m/p-Xylenes	62.8	J		10.3	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	160	J		11.4	ug/L
99-87-6	p-Isopropyltoluene	15.6	J		12.0	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	440	J		12.1	ug/L
000611-15-4	Benzene, 1-ethenyl-2-methyl-	400	J		12.3	ug/L
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	64.7	J		12.6	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	200	J		12.7	ug/L
000768-49-0	Benzene, (2-methyl-1-propenyl)-	210	J		12.7	ug/L
020836-11-7	2,2-Dimethylindene, 2,3-dihydro-	57.5	J		12.9	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	100	J		13.0	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	120	J		13.0	ug/L
001560-06-1	Benzene, 2-butenyl-	130	J		13.3	ug/L
91-20-3	Naphthalene	42.0	J		13.8	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-3R	SDG No.:	M1785
Lab Sample ID:	M1785-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021580.D	10		03/29/21 16:26	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	U	2.30	10.0	ug/L
74-87-3	Chloromethane	10.0	U	2.00	10.0	ug/L
75-01-4	Vinyl Chloride	10.0	U	1.90	10.0	ug/L
74-83-9	Bromomethane	50.0	U	8.70	50.0	ug/L
75-00-3	Chloroethane	10.0	U	3.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	U	2.50	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	U	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	U	2.60	10.0	ug/L
67-64-1	Acetone	50.0	U	16.1	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	U	2.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	U	2.20	10.0	ug/L
79-20-9	Methyl Acetate	10.0	U	4.70	10.0	ug/L
75-09-2	Methylene Chloride	10.0	U	1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	U	1.90	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	U	2.10	10.0	ug/L
110-82-7	Cyclohexane	50.0	U	13.0	50.0	ug/L
78-93-3	2-Butanone	50.0	U	9.00	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	U	2.70	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	10.0	U	2.20	10.0	ug/L
74-97-5	Bromochloromethane	10.0	U	2.60	10.0	ug/L
67-66-3	Chloroform	10.0	U	2.70	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	2.00	10.0	ug/L
108-87-2	Methylcyclohexane	10.6		1.40	10.0	ug/L
71-43-2	Benzene	10.0	U	1.80	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	U	2.50	10.0	ug/L
79-01-6	Trichloroethene	10.0	U	1.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	U	1.70	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	U	2.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	U	8.70	50.0	ug/L
108-88-3	Toluene	10.0	U	2.20	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	U	1.80	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	U	1.70	10.0	ug/L

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-3R	SDG No.:	M1785
Lab Sample ID:	M1785-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021580.D	10		03/29/21 16:26	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10.0	U	2.40	10.0	ug/L
591-78-6	2-Hexanone	50.0	U	9.20	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	U	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	U	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	10.0	U	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	U	1.70	10.0	ug/L
100-41-4	Ethyl Benzene	33.3		1.80	10.0	ug/L
1330-20-7	Total Xylenes	142		5.10	30.0	ug/L
100-42-5	Styrene	10.0	U	1.60	10.0	ug/L
75-25-2	Bromoform	10.0	U	1.90	10.0	ug/L
98-82-8	Isopropylbenzene	150		2.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	U	2.90	10.0	ug/L
103-65-1	n-propylbenzene	290		2.40	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	77.2		2.50	10.0	ug/L
98-06-6	tert-Butylbenzene	32.9		2.60	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	1600	E	2.00	10.0	ug/L
135-98-8	sec-Butylbenzene	140		2.30	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	U	1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	U	2.00	10.0	ug/L
104-51-8	n-Butylbenzene	97.7		1.90	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	U	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	U	4.70	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	U	3.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	U	3.50	10.0	ug/L
123-91-1	1,4-Dioxane	1000	U	69.8	1000	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		78 - 117	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	50.1		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		83 - 123	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60100	5.623			
540-36-3	1,4-Difluorobenzene	111000	6.829			



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

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-3R	SDG No.:	M1785
Lab Sample ID:	M1785-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021580.D	10		03/29/21 16:26	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
3114-55-4	Chlorobenzene-d5	110000	10.094			
3855-82-1	1,4-Dichlorobenzene-d4	50200	12.065			
TENTATIVE IDENTIFIED COMPOUNDS						
179601-23-1	m/p-Xylenes	130	J		10.3	ug/L
95-47-6	o-Xylene	12.0	J		10.7	ug/L
000591-47-9	Cyclohexene, 4-methyl-	97.5	J		10.8	ug/L
99-87-6	p-Isopropyltoluene	39.7	J		12.0	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	400	J		12.1	ug/L
000300-57-2	Benzene, 2-propenyl-	420	J		12.3	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	140	J		12.6	ug/L
000527-84-4	o-Cymene	270	J		12.7	ug/L
000768-49-0	Benzene, (2-methyl-1-propenyl)-	250	J		12.7	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	98.5	J		13.0	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	120	J		13.0	ug/L
000767-99-7	Benzene, (1-methyl-1-propenyl)-, (	160	J		13.3	ug/L
91-20-3	Naphthalene	7.50	J		13.8	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-3RDL	SDG No.:	M1785
Lab Sample ID:	M1785-14DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021573.D	40		03/29/21 13:42	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	40.0	UD	9.20	40.0	ug/L
74-87-3	Chloromethane	40.0	UD	8.10	40.0	ug/L
75-01-4	Vinyl Chloride	40.0	UD	7.70	40.0	ug/L
74-83-9	Bromomethane	200	UD	34.6	200	ug/L
75-00-3	Chloroethane	40.0	UD	14.1	40.0	ug/L
75-69-4	Trichlorofluoromethane	40.0	UD	10.0	40.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	40.0	UD	8.50	40.0	ug/L
75-35-4	1,1-Dichloroethene	40.0	UD	10.3	40.0	ug/L
67-64-1	Acetone	200	UD	64.4	200	ug/L
75-15-0	Carbon Disulfide	40.0	UD	10.1	40.0	ug/L
1634-04-4	Methyl tert-butyl Ether	40.0	UD	8.80	40.0	ug/L
79-20-9	Methyl Acetate	40.0	UD	18.8	40.0	ug/L
75-09-2	Methylene Chloride	40.0	UD	7.20	40.0	ug/L
156-60-5	trans-1,2-Dichloroethene	40.0	UD	7.60	40.0	ug/L
75-34-3	1,1-Dichloroethane	40.0	UD	8.30	40.0	ug/L
110-82-7	Cyclohexane	200	UD	52.2	200	ug/L
78-93-3	2-Butanone	200	UD	35.8	200	ug/L
56-23-5	Carbon Tetrachloride	40.0	UD	10.9	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	40.0	UD	8.90	40.0	ug/L
74-97-5	Bromochloromethane	40.0	UD	10.3	40.0	ug/L
67-66-3	Chloroform	40.0	UD	10.7	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	40.0	UD	7.80	40.0	ug/L
108-87-2	Methylcyclohexane	17.6	JD	5.70	40.0	ug/L
71-43-2	Benzene	40.0	UD	7.20	40.0	ug/L
107-06-2	1,2-Dichloroethane	40.0	UD	10.0	40.0	ug/L
79-01-6	Trichloroethene	40.0	UD	7.00	40.0	ug/L
78-87-5	1,2-Dichloropropane	40.0	UD	6.80	40.0	ug/L
75-27-4	Bromodichloromethane	40.0	UD	7.90	40.0	ug/L
108-10-1	4-Methyl-2-Pentanone	200	UD	34.7	200	ug/L
108-88-3	Toluene	40.0	UD	8.60	40.0	ug/L
10061-02-6	t-1,3-Dichloropropene	40.0	UD	7.10	40.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	40.0	UD	6.60	40.0	ug/L

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-3RDL	SDG No.:	M1785
Lab Sample ID:	M1785-14DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021573.D	40		03/29/21 13:42	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	40.0	UD	9.60	40.0	ug/L
591-78-6	2-Hexanone	200	UD	36.8	200	ug/L
124-48-1	Dibromochloromethane	40.0	UD	7.10	40.0	ug/L
106-93-4	1,2-Dibromoethane	40.0	UD	6.50	40.0	ug/L
127-18-4	Tetrachloroethene	40.0	UD	6.70	40.0	ug/L
108-90-7	Chlorobenzene	40.0	UD	6.60	40.0	ug/L
100-41-4	Ethyl Benzene	52.0	D	7.30	40.0	ug/L
1330-20-7	Total Xylenes	218	D	20.4	120	ug/L
100-42-5	Styrene	40.0	UD	6.50	40.0	ug/L
75-25-2	Bromoform	40.0	UD	7.60	40.0	ug/L
98-82-8	Isopropylbenzene	200	D	9.20	40.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	40.0	UD	11.7	40.0	ug/L
103-65-1	n-propylbenzene	360	D	9.60	40.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	90.8	D	9.90	40.0	ug/L
98-06-6	tert-Butylbenzene	36.4	JD	10.3	40.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	2000	D	8.00	40.0	ug/L
135-98-8	sec-Butylbenzene	150	D	9.00	40.0	ug/L
541-73-1	1,3-Dichlorobenzene	40.0	UD	7.80	40.0	ug/L
106-46-7	1,4-Dichlorobenzene	40.0	UD	7.90	40.0	ug/L
104-51-8	n-Butylbenzene	93.2	D	7.60	40.0	ug/L
95-50-1	1,2-Dichlorobenzene	40.0	UD	7.50	40.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	40.0	UD	19.0	40.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	40.0	UD	12.1	40.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	40.0	UD	13.9	40.0	ug/L
123-91-1	1,4-Dioxane	4000	UD	280	4000	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		78 - 117	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	50.4		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.9		83 - 123	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	62500	5.629			
540-36-3	1,4-Difluorobenzene	114000	6.829			

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-3RDL	SDG No.:	M1785
Lab Sample ID:	M1785-14DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021573.D	40		03/29/21 13:42	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
3114-55-4	Chlorobenzene-d5	121000	10.094			
3855-82-1	1,4-Dichlorobenzene-d4	59500	12.059			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-4	SDG No.:	M1785
Lab Sample ID:	M1785-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021574.D	20		03/29/21 14:05	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0	U	4.60	20.0	ug/L
74-87-3	Chloromethane	20.0	U	4.00	20.0	ug/L
75-01-4	Vinyl Chloride	20.0	U	3.90	20.0	ug/L
74-83-9	Bromomethane	100	U	17.3	100	ug/L
75-00-3	Chloroethane	20.0	U	7.00	20.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	U	5.00	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0	U	4.30	20.0	ug/L
75-35-4	1,1-Dichloroethene	20.0	U	5.20	20.0	ug/L
67-64-1	Acetone	100	U	32.2	100	ug/L
75-15-0	Carbon Disulfide	20.0	U	5.00	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	U	4.40	20.0	ug/L
79-20-9	Methyl Acetate	20.0	U	9.40	20.0	ug/L
75-09-2	Methylene Chloride	20.0	U	3.60	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	U	3.80	20.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	U	4.20	20.0	ug/L
110-82-7	Cyclohexane	100	U	26.1	100	ug/L
78-93-3	2-Butanone	100	U	17.9	100	ug/L
56-23-5	Carbon Tetrachloride	20.0	U	5.50	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0	U	4.40	20.0	ug/L
74-97-5	Bromochloromethane	20.0	U	5.20	20.0	ug/L
67-66-3	Chloroform	20.0	U	5.30	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	U	3.90	20.0	ug/L
108-87-2	Methylcyclohexane	20.0	U	2.80	20.0	ug/L
71-43-2	Benzene	20.0	U	3.60	20.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	U	5.00	20.0	ug/L
79-01-6	Trichloroethene	20.0	U	3.50	20.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	U	3.40	20.0	ug/L
75-27-4	Bromodichloromethane	20.0	U	4.00	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	U	17.3	100	ug/L
108-88-3	Toluene	20.0	U	4.30	20.0	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0	U	3.60	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	U	3.30	20.0	ug/L

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-4	SDG No.:	M1785
Lab Sample ID:	M1785-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021574.D	20		03/29/21 14:05	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.0	U	4.80	20.0	ug/L
591-78-6	2-Hexanone	100	U	18.4	100	ug/L
124-48-1	Dibromochloromethane	20.0	U	3.50	20.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	U	3.30	20.0	ug/L
127-18-4	Tetrachloroethene	20.0	U	3.30	20.0	ug/L
108-90-7	Chlorobenzene	20.0	U	3.30	20.0	ug/L
100-41-4	Ethyl Benzene	110		3.60	20.0	ug/L
1330-20-7	Total Xylenes	68.8		10.2	60.0	ug/L
100-42-5	Styrene	20.0	U	3.30	20.0	ug/L
75-25-2	Bromoform	20.0	U	3.80	20.0	ug/L
98-82-8	Isopropylbenzene	100		4.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	U	5.90	20.0	ug/L
103-65-1	n-propylbenzene	170		4.80	20.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	39.0		4.90	20.0	ug/L
98-06-6	tert-Butylbenzene	16.0	J	5.20	20.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	1600		4.00	20.0	ug/L
135-98-8	sec-Butylbenzene	61.4		4.50	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	U	3.90	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	U	3.90	20.0	ug/L
104-51-8	n-Butylbenzene	40.4		3.80	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	U	3.80	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0	U	9.50	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	U	6.10	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	U	6.90	20.0	ug/L
123-91-1	1,4-Dioxane	2000	U	140	2000	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		78 - 117	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	50.2		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		83 - 123	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	62600	5.623			
540-36-3	1,4-Difluorobenzene	114000	6.829			

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-4	SDG No.:	M1785
Lab Sample ID:	M1785-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021574.D	20		03/29/21 14:05	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
3114-55-4	Chlorobenzene-d5	118000	10.094			
3855-82-1	1,4-Dichlorobenzene-d4	58100	12.059			
TENTATIVE IDENTIFIED COMPOUNDS						
179601-23-1	m/p-Xylenes	68.8	J		10.3	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	100	J		11.7	ug/L
99-87-6	p-Isopropyltoluene	16.0	J		12.0	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	950	J		12.1	ug/L
000496-11-7	Indane	350	J		12.3	ug/L
000527-84-4	o-Cymene	110	J		12.6	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	170	J		12.7	ug/L
000824-90-8	1-Phenyl-1-butene	220	J		12.7	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	110	J		13.0	ug/L
000934-10-1	3-Phenylbut-1-ene	150	J		13.3	ug/L
91-20-3	Naphthalene	100	J		13.8	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-5R	SDG No.:	M1785
Lab Sample ID:	M1785-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021581.D	10		03/29/21 16:49	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	U	2.30	10.0	ug/L
74-87-3	Chloromethane	10.0	U	2.00	10.0	ug/L
75-01-4	Vinyl Chloride	10.0	U	1.90	10.0	ug/L
74-83-9	Bromomethane	50.0	U	8.70	50.0	ug/L
75-00-3	Chloroethane	10.0	U	3.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	U	2.50	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	U	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	U	2.60	10.0	ug/L
67-64-1	Acetone	50.0	U	16.1	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	U	2.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	U	2.20	10.0	ug/L
79-20-9	Methyl Acetate	10.0	U	4.70	10.0	ug/L
75-09-2	Methylene Chloride	10.0	U	1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	U	1.90	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	U	2.10	10.0	ug/L
110-82-7	Cyclohexane	50.0	U	13.0	50.0	ug/L
78-93-3	2-Butanone	50.0	U	9.00	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	U	2.70	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	10.0	U	2.20	10.0	ug/L
74-97-5	Bromochloromethane	10.0	U	2.60	10.0	ug/L
67-66-3	Chloroform	10.0	U	2.70	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	2.00	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	U	1.40	10.0	ug/L
71-43-2	Benzene	10.0	U	1.80	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	U	2.50	10.0	ug/L
79-01-6	Trichloroethene	10.0	U	1.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	U	1.70	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	U	2.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	U	8.70	50.0	ug/L
108-88-3	Toluene	10.0	U	2.20	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	U	1.80	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	U	1.70	10.0	ug/L

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-5R	SDG No.:	M1785
Lab Sample ID:	M1785-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021581.D	10		03/29/21 16:49	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10.0	U	2.40	10.0	ug/L
591-78-6	2-Hexanone	50.0	U	9.20	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	U	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	U	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	10.0	U	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	U	1.70	10.0	ug/L
100-41-4	Ethyl Benzene	18.1		1.80	10.0	ug/L
1330-20-7	Total Xylenes	115		5.10	30.0	ug/L
100-42-5	Styrene	10.0	U	1.60	10.0	ug/L
75-25-2	Bromoform	10.0	U	1.90	10.0	ug/L
98-82-8	Isopropylbenzene	180		2.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	U	2.90	10.0	ug/L
103-65-1	n-propylbenzene	360		2.40	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	270		2.50	10.0	ug/L
98-06-6	tert-Butylbenzene	31.5		2.60	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	1200		2.00	10.0	ug/L
135-98-8	sec-Butylbenzene	140		2.30	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	U	1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	U	2.00	10.0	ug/L
104-51-8	n-Butylbenzene	130		1.90	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	U	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	U	4.70	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	U	3.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	U	3.50	10.0	ug/L
123-91-1	1,4-Dioxane	1000	U	69.8	1000	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.4		78 - 117	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	51.2		92 - 112	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.5		83 - 123	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	59100	5.635			
540-36-3	1,4-Difluorobenzene	109000	6.829			

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-5R	SDG No.:	M1785
Lab Sample ID:	M1785-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021581.D	10		03/29/21 16:49	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
3114-55-4	Chlorobenzene-d5	114000	10.094			
3855-82-1	1,4-Dichlorobenzene-d4	57500	12.059			
TENTATIVE IDENTIFIED COMPOUNDS						
179601-23-1	m/p-Xylenes	110	J		10.3	ug/L
95-47-6	o-Xylene	5.40	J		10.7	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	240	J		11.4	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	600	J		12.1	ug/L
000622-97-9	Benzene, 1-ethenyl-4-methyl-	660	J		12.3	ug/L
000135-01-3	Benzene, 1,2-diethyl-	120	J		12.4	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	440	J		12.7	ug/L
000824-90-8	1-Phenyl-1-butene	130	J		12.7	ug/L
000767-58-8	Indan, 1-methyl-	430	J		12.7	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	260	J		13.0	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	110	J		13.0	ug/L
000527-84-4	o-Cymene	470	J		13.3	ug/L
91-20-3	Naphthalene	6.30	J		13.8	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	FD-032321	SDG No.:	M1785
Lab Sample ID:	M1785-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021578.D	10		03/29/21 15:39	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	U	2.30	10.0	ug/L
74-87-3	Chloromethane	10.0	U	2.00	10.0	ug/L
75-01-4	Vinyl Chloride	10.0	U	1.90	10.0	ug/L
74-83-9	Bromomethane	50.0	U	8.70	50.0	ug/L
75-00-3	Chloroethane	10.0	U	3.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	U	2.50	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	U	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	U	2.60	10.0	ug/L
67-64-1	Acetone	50.0	U	16.1	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	U	2.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	U	2.20	10.0	ug/L
79-20-9	Methyl Acetate	10.0	U	4.70	10.0	ug/L
75-09-2	Methylene Chloride	10.0	U	1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	U	1.90	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	U	2.10	10.0	ug/L
110-82-7	Cyclohexane	50.0	U	13.0	50.0	ug/L
78-93-3	2-Butanone	50.0	U	9.00	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	U	2.70	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	10.0	U	2.20	10.0	ug/L
74-97-5	Bromochloromethane	10.0	U	2.60	10.0	ug/L
67-66-3	Chloroform	10.0	U	2.70	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	2.00	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	U	1.40	10.0	ug/L
71-43-2	Benzene	10.0	U	1.80	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	U	2.50	10.0	ug/L
79-01-6	Trichloroethene	3.20	J	1.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	U	1.70	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	U	2.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	U	8.70	50.0	ug/L
108-88-3	Toluene	10.0	U	2.20	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	U	1.80	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	U	1.70	10.0	ug/L

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	FD-032321	SDG No.:	M1785
Lab Sample ID:	M1785-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021578.D	10		03/29/21 15:39	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10.0	U	2.40	10.0	ug/L
591-78-6	2-Hexanone	50.0	U	9.20	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	U	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	U	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	10.0	U	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	U	1.70	10.0	ug/L
100-41-4	Ethyl Benzene	20.0		1.80	10.0	ug/L
1330-20-7	Total Xylenes	126		5.10	30.0	ug/L
100-42-5	Styrene	10.0	U	1.60	10.0	ug/L
75-25-2	Bromoform	10.0	U	1.90	10.0	ug/L
98-82-8	Isopropylbenzene	230		2.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	U	2.90	10.0	ug/L
103-65-1	n-propylbenzene	450		2.40	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	320		2.50	10.0	ug/L
98-06-6	tert-Butylbenzene	39.3		2.60	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	1400		2.00	10.0	ug/L
135-98-8	sec-Butylbenzene	160		2.30	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	U	1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	U	2.00	10.0	ug/L
104-51-8	n-Butylbenzene	140		1.90	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	U	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	U	4.70	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	U	3.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	U	3.50	10.0	ug/L
123-91-1	1,4-Dioxane	1000	U	69.8	1000	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		78 - 117	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	48.9		92 - 112	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		83 - 123	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60300	5.629			
540-36-3	1,4-Difluorobenzene	110000	6.829			

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	FD-032321	SDG No.:	M1785
Lab Sample ID:	M1785-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021578.D	10		03/29/21 15:39	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
3114-55-4	Chlorobenzene-d5	109000	10.094			
3855-82-1	1,4-Dichlorobenzene-d4	50700	12.065			
TENTATIVE IDENTIFIED COMPOUNDS						
179601-23-1	m/p-Xylenes	120	J		10.3	ug/L
95-47-6	o-Xylene	5.50	J		10.7	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	300	J		11.4	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	720	J		12.1	ug/L
000611-15-4	Benzene, 1-ethenyl-2-methyl-	790	J		12.3	ug/L
000135-01-3	Benzene, 1,2-diethyl-	150	J		12.4	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	120	J		12.6	ug/L
000527-84-4	o-Cymene	490	J		12.7	ug/L
001005-64-7	(E)-1-Phenyl-1-butene	140	J		12.7	ug/L
000767-58-8	Indan, 1-methyl-	500	J		12.7	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	290	J		13.0	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	540	J		13.3	ug/L
91-20-3	Naphthalene	7.30	J		13.8	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	TRIP-BLANK	SDG No.:	M1785
Lab Sample ID:	M1785-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021576.D	1		03/29/21 14:52	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	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	0.26	1.00	ug/L
67-64-1	Acetone	4.50	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	TRIP-BLANK	SDG No.:	M1785
Lab Sample ID:	M1785-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021576.D	1		03/29/21 14:52	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
103-65-1	n-propylbenzene	1.00	U	0.24	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.00	U	0.25	1.00	ug/L
98-06-6	tert-Butylbenzene	1.00	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.00	U	0.20	1.00	ug/L
135-98-8	sec-Butylbenzene	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
104-51-8	n-Butylbenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
123-91-1	1,4-Dioxane	100	U	7.00	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		78 - 117	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.4		92 - 112	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		83 - 123	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	59000	5.629			
540-36-3	1,4-Difluorobenzene	108000	6.829			

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	TRIP-BLANK	SDG No.:	M1785
Lab Sample ID:	M1785-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021576.D	1		03/29/21 14:52	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
3114-55-4	Chlorobenzene-d5	114000	10.094			
3855-82-1	1,4-Dichlorobenzene-d4	47900	12.059			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

QC SUMMARY

Surrogate Summary

SDG No.: M1785

Client: Chazen Companies

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
M1785-10	MW-1	1,2-Dichloroethane-d4	50	50.6	101	78	117
		Dibromofluoromethane	50	50.1	100	75	124
		Toluene-d8	50	50.1	100	92	112
		4-Bromofluorobenzene	50	52.4	105	83	123
M1785-11MS	MW-1MS	1,2-Dichloroethane-d4	50	50.9	102	78	117
		Dibromofluoromethane	50	52.6	105	75	124
		Toluene-d8	50	53.1	106	92	112
		4-Bromofluorobenzene	50	54.4	109	83	123
M1785-12MSD	MW-1MSD	1,2-Dichloroethane-d4	50	52.8	105	78	117
		Dibromofluoromethane	50	50.9	102	75	124
		Toluene-d8	50	51.5	103	92	112
		4-Bromofluorobenzene	50	52.3	105	83	123
M1785-13	MW-2	1,2-Dichloroethane-d4	50	52.5	105	78	117
		Dibromofluoromethane	50	50.6	101	75	124
		Toluene-d8	50	51.1	102	92	112
		4-Bromofluorobenzene	50	59.1	118	83	123
M1785-14	MW-3R	1,2-Dichloroethane-d4	50	50.9	102	78	117
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	50.1	100	92	112
		4-Bromofluorobenzene	50	52.8	106	83	123
M1785-14DL	MW-3RDL	1,2-Dichloroethane-d4	50	51.5	103	78	117
		Dibromofluoromethane	50	50.6	101	75	124
		Toluene-d8	50	50.4	101	92	112
		4-Bromofluorobenzene	50	56.9	114	83	123
M1785-15	MW-4	1,2-Dichloroethane-d4	50	51.0	102	78	117
		Dibromofluoromethane	50	50.2	100	75	124
		Toluene-d8	50	50.2	100	92	112
		4-Bromofluorobenzene	50	56.1	112	83	123
M1785-16	MW-5R	1,2-Dichloroethane-d4	50	52.4	105	78	117
		Dibromofluoromethane	50	50.4	101	75	124
		Toluene-d8	50	51.2	102	92	112
		4-Bromofluorobenzene	50	57.5	115	83	123
M1785-17	FD-032321	1,2-Dichloroethane-d4	50	51.8	104	78	117
		Dibromofluoromethane	50	50.8	102	75	124
		Toluene-d8	50	48.9	98	92	112
		4-Bromofluorobenzene	50	51.5	103	83	123
M1785-18	TRIP-BLANK	1,2-Dichloroethane-d4	50	51.7	103	78	117
		Dibromofluoromethane	50	51.1	102	75	124
		Toluene-d8	50	50.4	101	92	112
		4-Bromofluorobenzene	50	53.1	106	83	123
VX0329WBL01	VX0329WBL01	1,2-Dichloroethane-d4	50	50.4	101	78	117
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	50.1	100	92	112
		4-Bromofluorobenzene	50	53.7	107	83	123
VX0329WBS01	VX0329WBS01	1,2-Dichloroethane-d4	50	49.8	100	78	117
		Dibromofluoromethane	50	50.6	101	75	124
		Toluene-d8	50	50.9	102	92	112
		4-Bromofluorobenzene	50	49.9	100	83	123

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: **M1785**

Client: **Chazen Companies**

Analytical Method: **SW8260-Low**

Parameter	Spike	Sample	Result	Units	Rec		RPD	Limits		RPD
		Result			Qual	RPD	Qual	Low	High	
Lab Sample ID :	M1785-11MS	Client Sample ID :	MW-1MS					Datafile :	VX021589.D	
Dichlorodifluoromethane	500	0	450	ug/L	90			73	120	
Chloromethane	500	0	460	ug/L	92			58	133	
Vinyl chloride	500	0	480	ug/L	96			69	125	
Bromomethane	500	0	520	ug/L	104			45	135	
Chloroethane	500	0	470	ug/L	94			77	119	
Trichlorofluoromethane	500	0	480	ug/L	96			72	124	
1,1,2-Trichlorotrifluoroethane	500	0	470	ug/L	94			75	117	
1,1-Dichloroethene	500	0	460	ug/L	92			77	118	
Acetone	2500	0	2400	ug/L	96			57	139	
Carbon disulfide	500	0	410	ug/L	82			67	118	
Methyl tert-butyl Ether	500	0	480	ug/L	96			60	148	
Methyl Acetate	500	0	530	ug/L	106			60	133	
Methylene Chloride	500	0	460	ug/L	92			79	115	
trans-1,2-Dichloroethene	500	0	460	ug/L	92			60	133	
1,1-Dichloroethane	500	0	480	ug/L	96			78	122	
Cyclohexane	500	0	460	ug/L	92			71	119	
2-Butanone	2500	0	2500	ug/L	100			67	137	
Carbon Tetrachloride	500	0	500	ug/L	100			84	115	
cis-1,2-Dichloroethene	500	0	470	ug/L	94			56	145	
Bromochloromethane	500	0	490	ug/L	98			72	130	
Chloroform	500	0	490	ug/L	98			83	119	
1,1,1-Trichloroethane	500	0	480	ug/L	96			83	117	
Methylcyclohexane	500	0	460	ug/L	92			64	120	
Benzene	500	0	480	ug/L	96			83	115	
1,2-Dichloroethane	500	0	490	ug/L	98			76	120	
Trichloroethene	500	12.8	480	ug/L	93			45	149	
1,2-Dichloropropane	500	0	490	ug/L	98			85	116	
Bromodichloromethane	500	0	500	ug/L	100			86	117	
4-Methyl-2-Pentanone	2500	0	2600	ug/L	104			72	137	
Toluene	500	0	500	ug/L	100			85	115	
t-1,3-Dichloropropene	500	0	490	ug/L	98			78	117	
cis-1,3-Dichloropropene	500	0	480	ug/L	96			77	115	
1,1,2-Trichloroethane	500	0	500	ug/L	100			87	119	
2-Hexanone	2500	0	2700	ug/L	108			75	131	
Dibromochloromethane	500	0	520	ug/L	104			88	118	
1,2-Dibromoethane	500	0	500	ug/L	100			85	119	
Tetrachloroethene	500	0	500	ug/L	100			65	114	
Chlorobenzene	500	0	490	ug/L	98			62	141	
Ethyl Benzene	500	13.4	500	ug/L	97			62	134	
m/p-Xylenes	1000	21.3	1000	ug/L	98			83	117	
o-Xylene	500	0	500	ug/L	100			81	120	
Styrene	500	0	500	ug/L	100			53	143	
Bromoform	500	0	500	ug/L	100			83	121	
Isopropylbenzene	500	300	730	ug/L	86			76	121	
1,1,2,2-Tetrachloroethane	500	0	510	ug/L	102			66	145	
N-propylbenzene	500	500	880	ug/L	76	*		79	116	
1,3,5-Trimethylbenzene	500	0	510	ug/L	102			40	169	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M1785

Client: Chazen Companies

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Rec	Qual	RPD	Qual	Low	High	RPD
tert-Butylbenzene	500	36.5	540	ug/L	101				80	116	
1,2,4-Trimethylbenzene	500	810	1100	ug/L	58	*			81	116	
Sec-butylbenzene	500	130	610	ug/L	96				70	122	
1,3-Dichlorobenzene	500	0	500	ug/L	100				84	110	
1,4-Dichlorobenzene	500	0	490	ug/L	98				81	111	
n-Butylbenzene	500	62.2	550	ug/L	98				53	140	
1,2-Dichlorobenzene	500	0	510	ug/L	102				82	113	
1,2-Dibromo-3-Chloropropane	500	0	490	ug/L	98				55	152	
1,2,4-Trichlorobenzene	500	0	510	ug/L	102				73	120	
1,2,3-Trichlorobenzene	500	0	480	ug/L	96				75	119	
1,4-Dioxane	10000	0	10100	ug/L	101				50	150	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: **M1785**

Client: **Chazen Companies**

Analytical Method: **SW8260-Low**

Parameter	Spike	Sample	Result	Units	Rec		RPD	RPD		Limits		RPD
		Result			Qual	Qual		Low	High			
Lab Sample ID :	M1785-12MSD	Client Sample ID :	MW-1MSD					Datafile :	VX021590.D			
Dichlorodifluoromethane	500	0	470	ug/L	94		4		73	120		20
Chloromethane	500	0	470	ug/L	94		2		58	133		20
Vinyl chloride	500	0	500	ug/L	100		4		69	125		20
Bromomethane	500	0	560	ug/L	112		7		45	135		20
Chloroethane	500	0	490	ug/L	98		4		77	119		20
Trichlorofluoromethane	500	0	500	ug/L	100		4		72	124		20
1,1,2-Trichlorotrifluoroethane	500	0	490	ug/L	98		4		75	117		20
1,1-Dichloroethene	500	0	470	ug/L	94		2		77	118		20
Acetone	2500	0	2500	ug/L	100		4		57	139		20
Carbon disulfide	500	0	420	ug/L	84		2		67	118		20
Methyl tert-butyl Ether	500	0	500	ug/L	100		4		60	148		20
Methyl Acetate	500	0	550	ug/L	110		4		60	133		20
Methylene Chloride	500	0	480	ug/L	96		4		79	115		20
trans-1,2-Dichloroethene	500	0	470	ug/L	94		2		60	133		20
1,1-Dichloroethane	500	0	500	ug/L	100		4		78	122		20
Cyclohexane	500	0	480	ug/L	96		4		71	119		20
2-Butanone	2500	0	2600	ug/L	104		4		67	137		20
Carbon Tetrachloride	500	0	490	ug/L	98		2		84	115		20
cis-1,2-Dichloroethene	500	0	490	ug/L	98		4		56	145		20
Bromochloromethane	500	0	510	ug/L	102		4		72	130		20
Chloroform	500	0	510	ug/L	102		4		83	119		20
1,1,1-Trichloroethane	500	0	500	ug/L	100		4		83	117		20
Methylcyclohexane	500	0	450	ug/L	90		2		64	120		20
Benzene	500	0	480	ug/L	96		0		83	115		20
1,2-Dichloroethane	500	0	490	ug/L	98		0		76	120		20
Trichloroethene	500	12.8	480	ug/L	93		0		45	149		20
1,2-Dichloropropane	500	0	490	ug/L	98		0		85	116		20
Bromodichloromethane	500	0	490	ug/L	98		2		86	117		20
4-Methyl-2-Pentanone	2500	0	2600	ug/L	104		0		72	137		20
Toluene	500	0	500	ug/L	100		0		85	115		20
t-1,3-Dichloropropene	500	0	490	ug/L	98		0		78	117		20
cis-1,3-Dichloropropene	500	0	480	ug/L	96		0		77	115		20
1,1,2-Trichloroethane	500	0	500	ug/L	100		0		87	119		20
2-Hexanone	2500	0	2600	ug/L	104		4		75	131		20
Dibromochloromethane	500	0	510	ug/L	102		2		88	118		20
1,2-Dibromoethane	500	0	500	ug/L	100		0		85	119		20
Tetrachloroethene	500	0	490	ug/L	98		2		65	114		20
Chlorobenzene	500	0	490	ug/L	98		0		62	141		20
Ethyl Benzene	500	13.4	500	ug/L	97		0		62	134		20
m/p-Xylenes	1000	21.3	1000	ug/L	98		0		83	117		20
o-Xylene	500	0	510	ug/L	102		2		81	120		20
Styrene	500	0	500	ug/L	100		0		53	143		20
Bromoform	500	0	520	ug/L	104		4		83	121		20
Isopropylbenzene	500	300	730	ug/L	86		0		76	121		20
1,1,2,2-Tetrachloroethane	500	0	500	ug/L	100		2		66	145		20
N-propylbenzene	500	500	870	ug/L	74	*	3		79	116		20
1,3,5-Trimethylbenzene	500	0	510	ug/L	102		0		40	169		20



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: M1785

Client: Chazen Companies

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits			
		Result			Rec	Qual	RPD	Qual	Low	High	RPD	
tert-Butylbenzene	500	36.5	530	ug/L	99			2		80	116	20
1,2,4-Trimethylbenzene	500	810	1100	ug/L	58	*		0		81	116	20
Sec-butylbenzene	500	130	600	ug/L	94			2		70	122	20
1,3-Dichlorobenzene	500	0	500	ug/L	100			0		84	110	20
1,4-Dichlorobenzene	500	0	480	ug/L	96			2		81	111	20
n-Butylbenzene	500	62.2	550	ug/L	98			0		53	140	20
1,2-Dichlorobenzene	500	0	500	ug/L	100			2		82	113	20
1,2-Dibromo-3-Chloropropane	500	0	480	ug/L	96			2		55	152	20
1,2,4-Trichlorobenzene	500	0	480	ug/L	96			6		73	120	20
1,2,3-Trichlorobenzene	500	0	480	ug/L	96			0		75	119	20
1,4-Dioxane	10000	0	10300	ug/L	103			2		50	150	20

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

SDG No.: M1785

Client: Chazen Companies

Analytical Method: SW8260-Low

Datafile : VX021566.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0329WBS01	Dichlorodifluoromethane	20	18.4	ug/L	92			69	116	
	Chloromethane	20	18.6	ug/L	93			65	116	
	Vinyl chloride	20	19.1	ug/L	96			65	117	
	Bromomethane	20	23.5	ug/L	117			55	134	
	Chloroethane	20	18.7	ug/L	94			73	112	
	Trichlorofluoromethane	20	19.4	ug/L	97			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97			80	112	
	1,1-Dichloroethene	20	18.6	ug/L	93			74	110	
	Acetone	100	94.1	ug/L	94			60	125	
	Carbon disulfide	20	17.0	ug/L	85			64	112	
	Methyl tert-butyl Ether	20	19.4	ug/L	97			78	114	
	Methyl Acetate	20	20.8	ug/L	104			67	125	
	Methylene Chloride	20	18.6	ug/L	93			72	114	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			75	108	
	1,1-Dichloroethane	20	19.7	ug/L	99			78	112	
	Cyclohexane	20	18.5	ug/L	93			75	110	
	2-Butanone	100	94.8	ug/L	95			65	122	
	Carbon Tetrachloride	20	20.1	ug/L	101			77	113	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			77	110	
	Bromochloromethane	20	20.7	ug/L	104			70	124	
	Chloroform	20	19.7	ug/L	99			79	113	
	1,1,1-Trichloroethane	20	19.6	ug/L	98			80	108	
	Methylcyclohexane	20	18.5	ug/L	93			72	115	
	Benzene	20	19.7	ug/L	99			82	109	
	1,2-Dichloroethane	20	20.2	ug/L	101			80	115	
	Trichloroethene	20	19.3	ug/L	97			77	113	
	1,2-Dichloropropane	20	19.9	ug/L	100			83	111	
	Bromodichloromethane	20	20.2	ug/L	101			83	110	
	4-Methyl-2-Pentanone	100	99.7	ug/L	100			74	118	
	Toluene	20	19.9	ug/L	100			82	110	
	t-1,3-Dichloropropene	20	19.4	ug/L	97			79	110	
	cis-1,3-Dichloropropene	20	19.9	ug/L	100			82	110	
	1,1,2-Trichloroethane	20	20.1	ug/L	101			83	112	
	2-Hexanone	100	98.8	ug/L	99			73	117	
	Dibromochloromethane	20	20.3	ug/L	102			82	110	
	1,2-Dibromoethane	20	19.8	ug/L	99			81	110	
	Tetrachloroethene	20	20.3	ug/L	102			67	123	
	Chlorobenzene	20	19.2	ug/L	96			82	109	
	Ethyl Benzene	20	19.2	ug/L	96			83	109	
	m/p-Xylenes	40	39.4	ug/L	99			82	110	
	o-Xylene	20	19.6	ug/L	98			83	109	
	Styrene	20	19.2	ug/L	96			80	111	
	Bromoform	20	20.2	ug/L	101			79	109	
	Isopropylbenzene	20	20.2	ug/L	101			83	112	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101			76	118	
	N-propylbenzene	20	20.1	ug/L	101			83	112	
	1,3,5-Trimethylbenzene	20	20.4	ug/L	102			85	112	
	tert-Butylbenzene	20	19.8	ug/L	99			83	112	
	1,2,4-Trimethylbenzene	20	20.2	ug/L	101			85	111	



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

SDG No.: M1785
Client: Chazen Companies
Analytical Method: SW8260-Low

Datafile : VX021566.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0329WBS01	Sec-butylbenzene	20	20.0	ug/L	100			81	114	
	1,3-Dichlorobenzene	20	19.8	ug/L	99			82	108	
	1,4-Dichlorobenzene	20	19.2	ug/L	96			82	107	
	n-Butylbenzene	20	18.6	ug/L	93			75	115	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			82	109	
	1,2-Dibromo-3-Chloropropane	20	19.5	ug/L	98			68	112	
	1,2,4-Trichlorobenzene	20	19.0	ug/L	95			74	114	
	1,2,3-Trichlorobenzene	20	19.1	ug/L	96			77	113	
	1,4-Dioxane	400	400	ug/L	100			54	145	



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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0329WBL01

Lab Name: CHEMTECH

Contract: CHAZ02

Lab Code: CHEM Case No.: M1785

SAS No.: M1785 SDG NO.: M1785

Lab File ID: VX021565.D

Lab Sample ID: VX0329WBL01

Date Analyzed: 03/29/2021

Time Analyzed: 10:36

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0329WBS01	VX0329WBS01	VX021566.D	03/29/2021
MW-1	M1785-10	VX021571.D	03/29/2021
MW-3RDL	M1785-14DL	VX021573.D	03/29/2021
MW-4	M1785-15	VX021574.D	03/29/2021
TRIP-BLANK	M1785-18	VX021576.D	03/29/2021
FD-032321	M1785-17	VX021578.D	03/29/2021
MW-2	M1785-13	VX021579.D	03/29/2021
MW-3R	M1785-14	VX021580.D	03/29/2021
MW-5R	M1785-16	VX021581.D	03/29/2021
MW-1MS	M1785-11MS	VX021589.D	03/29/2021
MW-1MSD	M1785-12MSD	VX021590.D	03/29/2021

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHAZ02
Lab Code: CHEM Case No.: M1785 SAS No.: M1785 SDG NO.: M1785
Lab File ID: VX021422.D BFB Injection Date: 03/24/2021
Instrument ID: MSVOA_X BFB Injection Time: 08:21
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.9
75	30.0 - 60.0% of mass 95	57
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.7 (1.1) 1
174	50.0 - 100.0% of mass 95	68
175	5.0 - 9.0% of mass 174	5.6 (8.3) 1
176	95.0 - 101.0% of mass 174	64.6 (94.9) 1
177	5.0 - 9.0% of mass 176	4.7 (7.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX021424.D	03/24/2021	10:04
VSTDIC005	VSTDIC005	VX021425.D	03/24/2021	10:26
VSTDIC020	VSTDIC020	VX021426.D	03/24/2021	10:49
VSTDIC050	VSTDIC050	VX021427.D	03/24/2021	11:13
VSTDIC100	VSTDIC100	VX021428.D	03/24/2021	11:36
VSTDIC150	VSTDIC150	VX021429.D	03/24/2021	11:58



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHAZ02
Lab Code: CHEM Case No.: M1785 SAS No.: M1785 SDG NO.: M1785
Lab File ID: VX021563.D BFB Injection Date: 03/29/2021
Instrument ID: MSVOA_X BFB Injection Time: 09:02
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	55.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	71.4
175	5.0 - 9.0% of mass 174	5.9 (8.3) 1
176	95.0 - 101.0% of mass 174	69.1 (96.8) 1
177	5.0 - 9.0% of mass 176	4.6 (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
VSTDCCC050	VSTDCCC050	VX021564.D	03/29/2021	09:35
VX0329WBL01	VX0329WBL01	VX021565.D	03/29/2021	10:36
VX0329WBS01	VX0329WBS01	VX021566.D	03/29/2021	10:59
MW-1	M1785-10	VX021571.D	03/29/2021	12:55
MW-3RDL	M1785-14DL	VX021573.D	03/29/2021	13:42
MW-4	M1785-15	VX021574.D	03/29/2021	14:05
TRIP-BLANK	M1785-18	VX021576.D	03/29/2021	14:52
FD-032321	M1785-17	VX021578.D	03/29/2021	15:39
MW-2	M1785-13	VX021579.D	03/29/2021	16:02
MW-3R	M1785-14	VX021580.D	03/29/2021	16:26
MW-5R	M1785-16	VX021581.D	03/29/2021	16:49
MW-1MS	M1785-11MS	VX021589.D	03/29/2021	19:57
MW-1MSD	M1785-12MSD	VX021590.D	03/29/2021	20:21

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHAZ02
 Lab Code: CHEM Case No.: M1785 SAS No.: M1785 SDG NO.: M1785
 Lab File ID: VX021564.D Date Analyzed: 03/29/2021
 Instrument ID: MSVOA_X Time Analyzed: 09:35
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	94419	5.62	152632	6.82	141896	10.09
UPPER LIMIT	188838	6.117	305264	7.323	283792	10.594
LOWER LIMIT	47209.5	5.117	76316	6.323	70948	9.594
EPA SAMPLE NO.						
MW-1	58534	5.63	105367	6.83	106458	10.09
MW-1MS	80858	5.63	132095	6.83	125590	10.09
MW-1MSD	78212	5.63	133786	6.83	126299	10.09
MW-2	59245	5.63	110177	6.83	115434	10.09
MW-3R	60069	5.62	110895	6.83	109772	10.09
MW-3RDL	62545	5.63	114308	6.83	121053	10.09
MW-4	62597	5.62	114338	6.83	118030	10.09
MW-5R	59069	5.64	109090	6.83	113700	10.09
FD-032321	60301	5.63	109753	6.83	108566	10.09
TRIP-BLANK	59024	5.63	107931	6.83	113630	10.09
VX0329WBL01	66153	5.62	120176	6.83	126472	10.09
VX0329WBS01	89704	5.62	146257	6.83	138179	10.09

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: CHAZ02
Lab Code: CHEM Case No.: M1785 SAS No.: M1785 SDG NO.: M1785
Lab File ID: VX021564.D Date Analyzed: 03/29/2021
Instrument ID: MSVOA_X Time Analyzed: 09:35
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	70614	12.059				
UPPER LIMIT	141228	12.559				
LOWER LIMIT	35307	11.559				
EPA SAMPLE NO.						
MW-1	48214	12.06				
MW-1MS	60876	12.06				
MW-1MSD	62506	12.06				
MW-2	57707	12.06				
MW-3R	50223	12.07				
MW-3RDL	59501	12.06				
MW-4	58057	12.06				
MW-5R	57549	12.06				
FD-032321	50719	12.07				
TRIP-BLANK	47890	12.06				
VX0329WBL01	57784	12.06				
VX0329WBS01	65643	12.06				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

QC SAMPLE DATA

A

B

C

D

E

F

G

Report of Analysis

Client:	Chazen Companies	Date Collected:	
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	
Client Sample ID:	VX0329WBL01	SDG No.:	M1785
Lab Sample ID:	VX0329WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021565.D	1		03/29/21 10:36	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	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	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.26	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L

Report of Analysis

Client:	Chazen Companies	Date Collected:	
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	
Client Sample ID:	VX0329WBL01	SDG No.:	M1785
Lab Sample ID:	VX0329WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021565.D	1		03/29/21 10:36	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
103-65-1	n-propylbenzene	1.00	U	0.24	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.00	U	0.25	1.00	ug/L
98-06-6	tert-Butylbenzene	1.00	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.00	U	0.20	1.00	ug/L
135-98-8	sec-Butylbenzene	1.00	U	0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
104-51-8	n-Butylbenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
123-91-1	1,4-Dioxane	100	U	7.00	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.4		78 - 117	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	50.1		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		83 - 123	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66200	5.623			
540-36-3	1,4-Difluorobenzene	120000	6.829			

Report of Analysis

Client:	Chazen Companies		Date Collected:	
Project:	Ebenzer Plaza-1 - 20918.10		Date Received:	
Client Sample ID:	VX0329WBL01		SDG No.:	M1785
Lab Sample ID:	VX0329WBL01		Matrix:	Water
Analytical Method:	SW8260		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2
GC Column:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021565.D	1		03/29/21 10:36	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
3114-55-4	Chlorobenzene-d5	126000	10.094			
3855-82-1	1,4-Dichlorobenzene-d4	57800	12.059			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Chazen Companies	Date Collected:	
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	
Client Sample ID:	VX0329WBS01	SDG No.:	M1785
Lab Sample ID:	VX0329WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021566.D	1		03/29/21 10:59	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.4		0.23	1.00	ug/L
74-87-3	Chloromethane	18.6		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	19.1		0.19	1.00	ug/L
74-83-9	Bromomethane	23.5		0.87	5.00	ug/L
75-00-3	Chloroethane	18.7		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.4		0.25	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	18.6		0.26	1.00	ug/L
67-64-1	Acetone	94.1		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.4		0.22	1.00	ug/L
79-20-9	Methyl Acetate	20.8		0.47	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.21	1.00	ug/L
110-82-7	Cyclohexane	18.5		1.30	5.00	ug/L
78-93-3	2-Butanone	94.8		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.22	1.00	ug/L
74-97-5	Bromochloromethane	20.7		0.26	1.00	ug/L
67-66-3	Chloroform	19.7		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.14	1.00	ug/L
71-43-2	Benzene	19.7		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.25	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	20.2		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.7		0.87	5.00	ug/L
108-88-3	Toluene	19.9		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.4		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.9		0.17	1.00	ug/L

Report of Analysis

Client:	Chazen Companies	Date Collected:	
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	
Client Sample ID:	VX0329WBS01	SDG No.:	M1785
Lab Sample ID:	VX0329WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021566.D	1		03/29/21 10:59	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.1		0.24	1.00	ug/L
591-78-6	2-Hexanone	98.8		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	20.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.3		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.17	1.00	ug/L
100-41-4	Ethyl Benzene	19.2		0.18	1.00	ug/L
1330-20-7	Total Xylenes	59.0		0.51	3.00	ug/L
100-42-5	Styrene	19.2		0.16	1.00	ug/L
75-25-2	Bromoform	20.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.29	1.00	ug/L
103-65-1	n-propylbenzene	20.1		0.24	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	20.4		0.25	1.00	ug/L
98-06-6	tert-Butylbenzene	19.8		0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.2		0.20	1.00	ug/L
135-98-8	sec-Butylbenzene	20.0		0.23	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.8		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.20	1.00	ug/L
104-51-8	n-Butylbenzene	18.6		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.0		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.1		0.35	1.00	ug/L
123-91-1	1,4-Dioxane	400		7.00	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		78 - 117	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	50.9		92 - 112	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		83 - 123	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	89700	5.623			
540-36-3	1,4-Difluorobenzene	146000	6.829			

Report of Analysis

Client:	Chazen Companies		Date Collected:	
Project:	Ebenzer Plaza-1 - 20918.10		Date Received:	
Client Sample ID:	VX0329WBS01		SDG No.:	M1785
Lab Sample ID:	VX0329WBS01		Matrix:	Water
Analytical Method:	SW8260		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2
GC Column:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021566.D	1		03/29/21 10:59	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
3114-55-4	Chlorobenzene-d5	138000	10.094			
3855-82-1	1,4-Dichlorobenzene-d4	65600	12.059			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-1MS	SDG No.:	M1785
Lab Sample ID:	M1785-11MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021589.D	10		03/29/21 19:57	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	450		2.30	10.0	ug/L
74-87-3	Chloromethane	460		2.00	10.0	ug/L
75-01-4	Vinyl Chloride	480		1.90	10.0	ug/L
74-83-9	Bromomethane	520		8.70	50.0	ug/L
75-00-3	Chloroethane	470		3.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	480		2.50	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	470		2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	460		2.60	10.0	ug/L
67-64-1	Acetone	2400		16.1	50.0	ug/L
75-15-0	Carbon Disulfide	410		2.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	480		2.20	10.0	ug/L
79-20-9	Methyl Acetate	530		4.70	10.0	ug/L
75-09-2	Methylene Chloride	460		1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	460		1.90	10.0	ug/L
75-34-3	1,1-Dichloroethane	480		2.10	10.0	ug/L
110-82-7	Cyclohexane	460		13.0	50.0	ug/L
78-93-3	2-Butanone	2500		9.00	50.0	ug/L
56-23-5	Carbon Tetrachloride	500		2.70	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	470		2.20	10.0	ug/L
74-97-5	Bromochloromethane	490		2.60	10.0	ug/L
67-66-3	Chloroform	490		2.70	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	480		2.00	10.0	ug/L
108-87-2	Methylcyclohexane	460		1.40	10.0	ug/L
71-43-2	Benzene	480		1.80	10.0	ug/L
107-06-2	1,2-Dichloroethane	490		2.50	10.0	ug/L
79-01-6	Trichloroethene	480		1.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	490		1.70	10.0	ug/L
75-27-4	Bromodichloromethane	500		2.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	2600		8.70	50.0	ug/L
108-88-3	Toluene	500		2.20	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	490		1.80	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	480		1.70	10.0	ug/L

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-1MS	SDG No.:	M1785
Lab Sample ID:	M1785-11MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021589.D	10		03/29/21 19:57	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	500		2.40	10.0	ug/L
591-78-6	2-Hexanone	2700		9.20	50.0	ug/L
124-48-1	Dibromochloromethane	520		1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	500		1.60	10.0	ug/L
127-18-4	Tetrachloroethene	500		1.70	10.0	ug/L
108-90-7	Chlorobenzene	490		1.70	10.0	ug/L
100-41-4	Ethyl Benzene	500		1.80	10.0	ug/L
1330-20-7	Total Xylenes	1500		5.10	30.0	ug/L
100-42-5	Styrene	500		1.60	10.0	ug/L
75-25-2	Bromoform	500		1.90	10.0	ug/L
98-82-8	Isopropylbenzene	730		2.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	510		2.90	10.0	ug/L
103-65-1	n-propylbenzene	880		2.40	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	510		2.50	10.0	ug/L
98-06-6	tert-Butylbenzene	540		2.60	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	1100		2.00	10.0	ug/L
135-98-8	sec-Butylbenzene	610		2.30	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	500		1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	490		2.00	10.0	ug/L
104-51-8	n-Butylbenzene	550		1.90	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	510		1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	490		4.70	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	510		3.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	480		3.50	10.0	ug/L
123-91-1	1,4-Dioxane	10100		69.8	1000	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		78 - 117	102%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	53.1		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		83 - 123	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	80900	5.629			
540-36-3	1,4-Difluorobenzene	132000	6.829			

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-1MS	SDG No.:	M1785
Lab Sample ID:	M1785-11MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021589.D	10		03/29/21 19:57	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
3114-55-4	Chlorobenzene-d5	126000	10.094			
3855-82-1	1,4-Dichlorobenzene-d4	60900	12.059			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-1MSD	SDG No.:	M1785
Lab Sample ID:	M1785-12MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021590.D	10		03/29/21 20:21	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	470		2.30	10.0	ug/L
74-87-3	Chloromethane	470		2.00	10.0	ug/L
75-01-4	Vinyl Chloride	500		1.90	10.0	ug/L
74-83-9	Bromomethane	560		8.70	50.0	ug/L
75-00-3	Chloroethane	490		3.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	500		2.50	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	490		2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	470		2.60	10.0	ug/L
67-64-1	Acetone	2500		16.1	50.0	ug/L
75-15-0	Carbon Disulfide	420		2.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	500		2.20	10.0	ug/L
79-20-9	Methyl Acetate	550		4.70	10.0	ug/L
75-09-2	Methylene Chloride	480		1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	470		1.90	10.0	ug/L
75-34-3	1,1-Dichloroethane	500		2.10	10.0	ug/L
110-82-7	Cyclohexane	480		13.0	50.0	ug/L
78-93-3	2-Butanone	2600		9.00	50.0	ug/L
56-23-5	Carbon Tetrachloride	490		2.70	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	490		2.20	10.0	ug/L
74-97-5	Bromochloromethane	510		2.60	10.0	ug/L
67-66-3	Chloroform	510		2.70	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	500		2.00	10.0	ug/L
108-87-2	Methylcyclohexane	450		1.40	10.0	ug/L
71-43-2	Benzene	480		1.80	10.0	ug/L
107-06-2	1,2-Dichloroethane	490		2.50	10.0	ug/L
79-01-6	Trichloroethene	480		1.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	490		1.70	10.0	ug/L
75-27-4	Bromodichloromethane	490		2.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	2600		8.70	50.0	ug/L
108-88-3	Toluene	500		2.20	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	490		1.80	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	480		1.70	10.0	ug/L

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-1MSD	SDG No.:	M1785
Lab Sample ID:	M1785-12MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021590.D	10		03/29/21 20:21	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	500		2.40	10.0	ug/L
591-78-6	2-Hexanone	2600		9.20	50.0	ug/L
124-48-1	Dibromochloromethane	510		1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	500		1.60	10.0	ug/L
127-18-4	Tetrachloroethene	490		1.70	10.0	ug/L
108-90-7	Chlorobenzene	490		1.70	10.0	ug/L
100-41-4	Ethyl Benzene	500		1.80	10.0	ug/L
1330-20-7	Total Xylenes	1510		5.10	30.0	ug/L
100-42-5	Styrene	500		1.60	10.0	ug/L
75-25-2	Bromoform	520		1.90	10.0	ug/L
98-82-8	Isopropylbenzene	730		2.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	500		2.90	10.0	ug/L
103-65-1	n-propylbenzene	870		2.40	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	510		2.50	10.0	ug/L
98-06-6	tert-Butylbenzene	530		2.60	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	1100		2.00	10.0	ug/L
135-98-8	sec-Butylbenzene	600		2.30	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	500		1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	480		2.00	10.0	ug/L
104-51-8	n-Butylbenzene	550		1.90	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	500		1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	480		4.70	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	480		3.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	480		3.50	10.0	ug/L
123-91-1	1,4-Dioxane	10300		69.8	1000	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		78 - 117	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	51.5		92 - 112	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	78200	5.629			
540-36-3	1,4-Difluorobenzene	134000	6.829			

Report of Analysis

Client:	Chazen Companies	Date Collected:	03/23/21
Project:	Ebenzer Plaza-1 - 20918.10	Date Received:	03/23/21
Client Sample ID:	MW-1MSD	SDG No.:	M1785
Lab Sample ID:	M1785-12MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX021590.D	10		03/29/21 20:21	VX032921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
3114-55-4	Chlorobenzene-d5	126000	10.094			
3855-82-1	1,4-Dichlorobenzene-d4	62500	12.059			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHAZ02

Lab Code: CHEM Case No.: M1785 SAS No.: M1785 SDG No.: M1785

Instrument ID: MSVOA_X Calibration Date(s): 03/24/2021 03/24/2021

Heated Purge: (Y/N) N Calibration Time(s): 10:04 11:58

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

LAB FILE ID:								
RRF001 = VX021424.D			RRF005 = VX021425.D			RRF020 = VX021426.D		
RRF050 = VX021427.D			RRF100 = VX021428.D			RRF150 = VX021429.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.557	0.560	0.518	0.554	0.574	0.534	0.550	3.7
Chloromethane	0.967	0.763	0.596	0.611	0.640	0.631	0.702	20.4
Vinyl Chloride	0.515	0.581	0.532	0.572	0.599	0.574	0.562	5.7
Bromomethane		0.249	0.229	0.220	0.220	0.213	0.226	6.1
Chloroethane	0.359	0.388	0.335	0.358	0.369	0.330	0.357	6.1
Trichlorofluoromethane	0.840	1.007	0.872	0.940	0.941	0.886	0.914	6.6
1,1,2-Trichlorotrifluoroethane	0.509	0.542	0.492	0.511	0.529	0.505	0.515	3.5
1,1-Dichloroethene	0.544	0.528	0.465	0.483	0.511	0.494	0.504	5.8
Acetone	0.337	0.319	0.281	0.307	0.319	0.325	0.315	6
Carbon Disulfide	1.764	1.372	1.249	1.353	1.392	1.359	1.415	12.6
Methyl tert-butyl Ether	1.705	1.924	1.752	1.905	1.993	2.010	1.882	6.7
Methyl Acetate	0.781	0.868	0.860	0.943	0.989	1.012	0.909	9.7
Methylene Chloride	0.662	0.641	0.551	0.596	0.612	0.620	0.614	6.2
trans-1,2-Dichloroethene	0.548	0.580	0.508	0.551	0.573	0.560	0.553	4.6
1,1-Dichloroethane	0.984	1.146	0.999	1.079	1.117	1.102	1.071	6.1
Cyclohexane		0.911	0.850	0.938	0.959	0.916	0.915	4.5
2-Butanone	0.435	0.501	0.437	0.479	0.501	0.509	0.477	7
Carbon Tetrachloride	0.477	0.560	0.486	0.546	0.555	0.534	0.526	6.8
cis-1,2-Dichloroethene	0.612	0.660	0.590	0.644	0.675	0.675	0.643	5.5
Bromochloromethane	0.564	0.611	0.494	0.505	0.521	0.522	0.536	8.1
Chloroform	1.004	1.192	1.065	1.149	1.182	1.192	1.131	6.9
1,1,1-Trichloroethane	0.909	1.051	0.942	1.023	1.054	1.031	1.002	6.1
Methylcyclohexane	0.519	0.545	0.493	0.571	0.576	0.555	0.543	5.9
Benzene	1.276	1.456	1.268	1.437	1.458	1.451	1.391	6.7
1,2-Dichloroethane	0.540	0.646	0.557	0.619	0.625	0.632	0.603	7.2
Trichloroethene	0.366	0.374	0.335	0.371	0.379	0.378	0.367	4.5
1,2-Dichloropropane	0.341	0.392	0.345	0.392	0.394	0.397	0.377	7
Bromodichloromethane	0.494	0.570	0.514	0.581	0.594	0.600	0.559	7.9
4-Methyl-2-Pentanone	0.461	0.568	0.534	0.597	0.618	0.617	0.566	10.7
Toluene	0.732	0.847	0.810	0.906	0.925	0.935	0.859	9.2
t-1,3-Dichloropropene	0.465	0.533	0.501	0.599	0.637	0.652	0.564	13.5
cis-1,3-Dichloropropene	0.493	0.592	0.544	0.639	0.661	0.674	0.601	11.8
1,1,2-Trichloroethane	0.304	0.366	0.347	0.379	0.391	0.390	0.363	9.1

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHAZ02
 Lab Code: CHEM Case No.: M1785 SAS No.: M1785 SDG No.: M1785
 Instrument ID: MSVOA_X Calibration Date(s): 03/24/2021 03/24/2021
 Heated Purge: (Y/N) N Calibration Time(s): 10:04 11:58
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX021424.D		RRF005 = VX021425.D		RRF020 = VX021426.D		
		RRF050 = VX021427.D		RRF100 = VX021428.D		RRF150 = VX021429.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.353	0.415	0.398	0.449	0.466	0.468	0.425	10.5
Dibromochloromethane	0.339	0.390	0.378	0.433	0.453	0.444	0.406	10.9
1,2-Dibromoethane	0.341	0.380	0.357	0.413	0.424	0.422	0.390	9.1
Tetrachloroethene	0.307	0.362	0.316	0.345	0.336	0.342	0.335	6
Chlorobenzene	0.909	1.053	0.910	1.029	1.075	1.052	1.004	7.5
Ethyl Benzene	1.628	1.851	1.703	1.900	1.989	1.914	1.831	7.5
m/p-Xylenes	0.543	0.662	0.613	0.686	0.720	0.690	0.652	9.9
o-Xylene	0.532	0.634	0.596	0.660	0.691	0.679	0.632	9.4
Styrene	0.935	1.038	1.013	1.133	1.213	1.187	1.086	10
Bromoform	0.287	0.298	0.286	0.325	0.341	0.339	0.313	8.1
Isopropylbenzene	3.009	3.659	3.259	3.757	3.772	3.624	3.513	8.8
1,1,2,2-Tetrachloroethane	1.158	1.299	1.206	1.260	1.261	1.264	1.241	4.1
n-propylbenzene	3.779	4.157	3.843	4.384	4.445	4.285	4.149	6.7
1,3,5-Trimethylbenzene	2.534	3.094	2.805	3.212	3.238	3.125	3.001	9.2
tert-Butylbenzene	2.647	2.902	2.687	3.064	3.184	3.050	2.922	7.4
1,2,4-Trimethylbenzene	2.493	3.118	2.872	3.225	3.272	3.173	3.026	9.8
sec-Butylbenzene	2.843	3.402	3.141	3.632	3.681	3.525	3.371	9.6
1,3-Dichlorobenzene	1.495	1.609	1.412	1.595	1.660	1.638	1.568	6.1
1,4-Dichlorobenzene	1.740	1.648	1.463	1.606	1.616	1.660	1.622	5.6
n-Butylbenzene	2.388	2.745	2.531	3.021	3.110	3.072	2.811	10.8
1,2-Dichlorobenzene	1.414	1.587	1.427	1.537	1.591	1.592	1.525	5.5
1,2-Dibromo-3-Chloropropane	0.207	0.307	0.263	0.301	0.316	0.325	0.286	15.5
1,2,4-Trichlorobenzene	0.949	0.929	0.823	1.028	1.116	1.152	0.999	12.4
1,2,3-Trichlorobenzene	0.976	0.936	0.905	1.028	1.064	1.083	0.999	7.1
1,2-Dichloroethane-d4		0.893	0.772	0.781	0.837	0.877	0.832	6.6
Dibromofluoromethane		0.377	0.320	0.337	0.364	0.378	0.355	7.2
Toluene-d8		1.249	1.150	1.242	1.315	1.372	1.266	6.6
4-Bromofluorobenzene		0.479	0.441	0.476	0.521	0.544	0.492	8.2
1,4-Dioxane	7.461	9.583	7.975	9.059	9.261	9.367	8.784	9.8

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHAZ02
 Lab Code: CHEM Case No.: M1785 SAS No.: M1785 SDG No.: M1785
 Instrument ID: MSVOA_X Calibration Date/Time: 03/29/2021 09:35
 Lab File ID: VX021564.D Init. Calib. Date(s): 03/24/2021 03/24/2021
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:04 11:58
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.550	0.514		-6.55	20
Chloromethane	0.702	0.561	0.1	-20.08	20
Vinyl Chloride	0.562	0.525		-6.58	20
Bromomethane	0.226	0.232		2.65	20
Chloroethane	0.357	0.326		-8.68	20
Trichlorofluoromethane	0.914	0.879		-3.83	20
1,1,2-Trichlorotrifluoroethane	0.515	0.492		-4.47	20
1,1-Dichloroethene	0.504	0.457		-9.32	20
Acetone	0.315	0.256		-18.73	20
Carbon Disulfide	1.415	1.197		-15.41	20
Methyl tert-butyl Ether	1.882	1.769		-6	20
Methyl Acetate	0.909	0.865		-4.84	20
Methylene Chloride	0.614	0.554		-9.77	20
trans-1,2-Dichloroethene	0.553	0.502		-9.22	20
1,1-Dichloroethane	1.071	1.006	0.1	-6.07	20
Cyclohexane	0.915	0.847		-7.43	20
2-Butanone	0.477	0.407		-14.68	20
Carbon Tetrachloride	0.526	0.524		-0.38	20
cis-1,2-Dichloroethene	0.643	0.605		-5.91	20
Bromochloromethane	0.536	0.484		-9.7	20
Chloroform	1.131	1.077		-4.78	20
1,1,1-Trichloroethane	1.002	0.950		-5.19	20
Methylcyclohexane	0.543	0.530		-2.39	20
Benzene	1.391	1.334		-4.1	20
1,2-Dichloroethane	0.603	0.586		-2.82	20
Trichloroethene	0.367	0.348		-5.18	20
1,2-Dichloropropane	0.377	0.368		-2.39	20
Bromodichloromethane	0.559	0.557		-0.36	20
4-Methyl-2-Pentanone	0.566	0.527		-6.89	20
Toluene	0.859	0.848		-1.28	20
t-1,3-Dichloropropene	0.564	0.564		0	20
cis-1,3-Dichloropropene	0.601	0.608		1.16	20
1,1,2-Trichloroethane	0.363	0.361		-0.55	20
2-Hexanone	0.425	0.398		-6.35	20
Dibromochloromethane	0.406	0.421		3.69	20
1,2-Dibromoethane	0.390	0.375		-3.85	20
Tetrachloroethene	0.335	0.335		0	20
Chlorobenzene	1.004	0.975	0.3	-2.89	20
Ethyl Benzene	1.831	1.787		-2.4	20

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

VOLATILE CONTINUING CALIBRATION CHECK

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.652	0.663		1.69	20
o-Xylene	0.632	0.627		-0.79	20
Styrene	1.086	1.099		1.2	20
Bromoform	0.313	0.317	0.1	1.28	20
Isopropylbenzene	3.513	3.556		1.22	20
1,1,2,2-Tetrachloroethane	1.241	1.137	0.3	-8.38	20
n-propylbenzene	4.149	4.187		0.92	20
1,3,5-Trimethylbenzene	3.001	3.044		1.43	20
tert-Butylbenzene	2.922	2.834		-3.01	20
1,2,4-Trimethylbenzene	3.026	3.054		0.93	20
sec-Butylbenzene	3.371	3.376		0.15	20
1,3-Dichlorobenzene	1.568	1.502		-4.21	20
1,4-Dichlorobenzene	1.622	1.542		-4.93	20
n-Butylbenzene	2.811	2.871		2.13	20
1,2-Dichlorobenzene	1.525	1.455		-4.59	20
1,2-Dibromo-3-Chloropropane	0.286	0.273		-4.55	20
1,2,4-Trichlorobenzene	0.999	1.007		0.8	20
1,2,3-Trichlorobenzene	0.999	0.998		-0.1	20
1,2-Dichloroethane-d4	0.832	0.769		-7.57	20
Dibromofluoromethane	0.355	0.343		-3.38	20
Toluene-d8	1.266	1.201		-5.13	20
4-Bromofluorobenzene	0.492	0.471		-4.27	20
1,4-Dioxane	8.784	7.964	0.05	-9.34	50

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