

LAB CHRONICLE

OrderID:	P4722	OrderDate:	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	Location:	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-01	WC-1(5.5)	SOIL	VOC-TCLVOA-10	8260D	11/05/24		11/08/24	11/05/24
P4722-02	WC-1(3.5)	TCLP	TCLP VOA	8260D	11/05/24		11/08/24	11/05/24
P4722-05	WC-1(0-6)	Water	SPLP VOA	8260D	11/05/24		11/13/24	11/05/24
P4722-06	WC-2(2)	SOIL	VOC-TCLVOA-10	8260D	11/05/24		11/07/24	11/05/24
P4722-07	WC-2(4)	TCLP	TCLP VOA	8260D	11/05/24		11/11/24	11/05/24
P4722-10	WC-2(0-6)	Water	SPLP VOA	8260D	11/05/24		11/13/24	11/05/24
P4722-11	WC-3(5)	SOIL	VOC-TCLVOA-10	8260D	11/05/24		11/07/24	11/05/24
P4722-12	WC-3(3)	TCLP	TCLP VOA	8260D	11/05/24		11/11/24	11/05/24
P4722-15	WC-3(0-6)	Water	SPLP VOA	8260D	11/05/24		11/13/24	11/05/24
P4722-16	WC-1(5.5)	TCLP	TCLP VOA	8260D	11/05/24		11/11/24	11/05/24
P4722-17	WC-1(3.5)	SOIL	VOC-TCLVOA-10	8260D	11/05/24		11/07/24	11/05/24
P4722-18	WC-2(2)	TCLP			11/05/24			11/05/24

LAB CHRONICLE

P4722-19	WC-2(4)	SOIL	TCLP VOA	8260D		11/11/24	
					11/05/24		11/05/24
P4722-20	WC-3(5)	TCLP	VOC-TCLVOA-10	8260D		11/07/24	
					11/05/24		11/05/24
P4722-21	WC-3(3)	SOIL	TCLP VOA	8260D		11/11/24	
			VOC-TCLVOA-10	8260D		11/07/24	

Hit Summary Sheet
SW-846

SDG No.: P4722
Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	WC-1(5.5)							
P4722-01	WC-1(5.5)	SOIL	Acetone	15.8		3.40	13.6	ug/Kg
P4722-01	WC-1(5.5)	SOIL	Methylene Chloride	2.00	J	1.90	5.40	ug/Kg
P4722-01	WC-1(5.5)	SOIL	2-Butanone	5.30	J	3.10	13.6	ug/Kg
P4722-01	WC-1(5.5)	SOIL	Chloroform	0.69	J	0.36	2.70	ug/Kg
P4722-01	WC-1(5.5)	SOIL	Tetrachloroethene	1.30	J	0.48	2.70	ug/Kg
			Total Voc :			25.1		
P4722-01	WC-1(5.5)	SOIL	unknown12.731	* 3.20	J	0	0	ug/Kg
P4722-01	WC-1(5.5)	SOIL	unknown13.664	* 2.90	J	0	0	ug/Kg
P4722-01	WC-1(5.5)	SOIL	Butane	* 4.20	J	0	0	ug/Kg
P4722-01	WC-1(5.5)	SOIL	cis-3-Decene	* 4.20	J	0	0	ug/Kg
			Total Tics :			14.5		
			Total Concentration:			39.6		
Client ID:	WC-2(2)							
P4722-06	WC-2(2)	SOIL	Bicyclo[3.1.0]hexane, 4-methyl	* 4.00	J	0	0	ug/Kg
			Total Tics :			4.00		
			Total Concentration:			4.00		
Client ID:	WC-3(5)							
P4722-11	WC-3(5)	SOIL	Acetone	120		5.20	20.9	ug/Kg
P4722-11	WC-3(5)	SOIL	Carbon Disulfide	1.70	J	1.10	4.20	ug/Kg
P4722-11	WC-3(5)	SOIL	2-Butanone	34.1		4.70	20.9	ug/Kg
			Total Voc :			156		
P4722-11	WC-3(5)	SOIL	unknown14.066	* 55.1	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	unknown14.651	* 110	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	unknown15.255	* 160	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	unknown15.511	* 91.3	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	Naphthalene, decahydro-	* 120	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	1-Methyldecahydronaphthalene	* 190	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	Naphthalene, decahydro-2-metl	* 170	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	Cyclohexane, 2-butyl-1,1,3-trin	* 64.0	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	Cyclohexane, 2,4-diethyl-1-me	* 70.6	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	trans, cis-3-Ethylbicyclo[4.4.0]	* 58.2	J	0	0	ug/Kg
			Total Tics :			1090		
			Total Concentration:			1250		
Client ID:	WC-1(3.5)							
P4722-17	WC-1(3.5)	SOIL	Naphthalene	* 0.95	J	0.79	2.70	ug/Kg
			Total Tics :			0.95		
			Total Concentration:			0.95		
Client ID:	WC-3(3)							

Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4722-21	WC-3(3)	SOIL	Tetrachloroethene	1.00	J	0.42	2.40	ug/Kg
			Total Voc :	1.00				
			Total Concentration:	1.00				



SAMPLE DATA

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-1(5.5)		SDG No.:	P4722	
Lab Sample ID:	P4722-01		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	88.4	
Sample Wt/Vol:	10.39	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020230.D	1		11/08/24 14:02	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.90	U	0.90	2.70	ug/Kg
74-87-3	Chloromethane	0.63	U	0.63	2.70	ug/Kg
75-01-4	Vinyl Chloride	0.42	U	0.42	2.70	ug/Kg
74-83-9	Bromomethane	0.56	U	0.56	2.70	ug/Kg
75-00-3	Chloroethane	0.55	U	0.55	2.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.50	U	0.50	2.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.58	U	0.58	2.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.42	U	0.42	2.70	ug/Kg
67-64-1	Acetone	15.8		3.40	13.6	ug/Kg
75-15-0	Carbon Disulfide	0.70	U	0.70	2.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	2.70	ug/Kg
79-20-9	Methyl Acetate	0.98	U	0.98	2.70	ug/Kg
75-09-2	Methylene Chloride	2.00	J	1.90	5.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.46	U	0.46	2.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.34	U	0.34	2.70	ug/Kg
110-82-7	Cyclohexane	0.38	U	0.38	2.70	ug/Kg
78-93-3	2-Butanone	5.30	J	3.10	13.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.47	U	0.47	2.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.33	U	0.33	2.70	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	2.70	ug/Kg
67-66-3	Chloroform	0.69	J	0.36	2.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.42	U	0.42	2.70	ug/Kg
108-87-2	Methylcyclohexane	0.47	U	0.47	2.70	ug/Kg
71-43-2	Benzene	0.39	U	0.39	2.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.33	U	0.33	2.70	ug/Kg
79-01-6	Trichloroethene	0.41	U	0.41	2.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.36	U	0.36	2.70	ug/Kg
75-27-4	Bromodichloromethane	0.30	U	0.30	2.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.40	U	2.40	13.6	ug/Kg
108-88-3	Toluene	0.36	U	0.36	2.70	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(5.5)	SDG No.:	P4722
Lab Sample ID:	P4722-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.4
Sample Wt/Vol:	10.39	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10
GC Column:	RXI-624	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020230.D	1		11/08/24 14:02	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.33	U	0.33	2.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.31	U	0.31	2.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.46	U	0.46	2.70	ug/Kg
591-78-6	2-Hexanone	2.60	U	2.60	13.6	ug/Kg
124-48-1	Dibromochloromethane	0.35	U	0.35	2.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.43	U	0.43	2.70	ug/Kg
127-18-4	Tetrachloroethene	1.30	J	0.48	2.70	ug/Kg
108-90-7	Chlorobenzene	0.40	U	0.40	2.70	ug/Kg
100-41-4	Ethyl Benzene	0.34	U	0.34	2.70	ug/Kg
179601-23-1	m/p-Xylenes	0.73	U	0.73	5.40	ug/Kg
95-47-6	o-Xylene	0.38	U	0.38	2.70	ug/Kg
100-42-5	Styrene	0.33	U	0.33	2.70	ug/Kg
75-25-2	Bromoform	0.44	U	0.44	2.70	ug/Kg
98-82-8	Isopropylbenzene	0.36	U	0.36	2.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	0.60	2.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.40	U	0.40	2.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.44	U	0.44	2.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.32	U	0.32	2.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.85	U	0.85	2.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.43	U	0.43	2.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.42	U	0.42	2.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	61.1	50 - 163	122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4	54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	48.9	58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7	29 - 146	87%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	210000	7.707
540-36-3	1,4-Difluorobenzene	445000	8.616
3114-55-4	Chlorobenzene-d5	398000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.347

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(5.5)	SDG No.:	P4722
Lab Sample ID:	P4722-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.4
Sample Wt/Vol:	10.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020230.D	1		11/08/24 14:02	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000106-97-8	Butane	4.20	J		2.20	ug/Kg
019398-86-8	cis-3-Decene	4.20	J		12.6	ug/Kg
	unknown12.731	3.20	J		12.7	ug/Kg
	unknown13.664	2.90	J		13.7	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-2(2)		SDG No.:	P4722	
Lab Sample ID:	P4722-06		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	89.8	
Sample Wt/Vol:	11.43	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020207.D	1		11/07/24 15:20	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.80	U	0.80	2.40	ug/Kg
74-87-3	Chloromethane	0.57	U	0.57	2.40	ug/Kg
75-01-4	Vinyl Chloride	0.38	U	0.38	2.40	ug/Kg
74-83-9	Bromomethane	0.50	U	0.50	2.40	ug/Kg
75-00-3	Chloroethane	0.49	U	0.49	2.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.44	U	0.44	2.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.52	U	0.52	2.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.38	U	0.38	2.40	ug/Kg
67-64-1	Acetone	3.00	U	3.00	12.2	ug/Kg
75-15-0	Carbon Disulfide	0.62	U	0.62	2.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.33	U	0.33	2.40	ug/Kg
79-20-9	Methyl Acetate	0.88	U	0.88	2.40	ug/Kg
75-09-2	Methylene Chloride	1.70	U	1.70	4.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.41	U	0.41	2.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.31	U	0.31	2.40	ug/Kg
110-82-7	Cyclohexane	0.34	U	0.34	2.40	ug/Kg
78-93-3	2-Butanone	2.80	U	2.80	12.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.42	U	0.42	2.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.30	U	0.30	2.40	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	2.40	ug/Kg
67-66-3	Chloroform	0.33	U	0.33	2.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.38	U	0.38	2.40	ug/Kg
108-87-2	Methylcyclohexane	0.42	U	0.42	2.40	ug/Kg
71-43-2	Benzene	0.35	U	0.35	2.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.30	U	0.30	2.40	ug/Kg
79-01-6	Trichloroethene	0.37	U	0.37	2.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.32	U	0.32	2.40	ug/Kg
75-27-4	Bromodichloromethane	0.27	U	0.27	2.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.10	U	2.10	12.2	ug/Kg
108-88-3	Toluene	0.33	U	0.33	2.40	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC			Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2			Date Received:	11/05/24
Client Sample ID:	WC-2(2)			SDG No.:	P4722
Lab Sample ID:	P4722-06			Matrix:	SOIL
Analytical Method:	SW8260			% Solid:	89.8
Sample Wt/Vol:	11.43	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020207.D	1		11/07/24 15:20	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.29	U	0.29	2.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.28	U	0.28	2.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.41	U	0.41	2.40	ug/Kg
591-78-6	2-Hexanone	2.30	U	2.30	12.2	ug/Kg
124-48-1	Dibromochloromethane	0.32	U	0.32	2.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.38	U	0.38	2.40	ug/Kg
127-18-4	Tetrachloroethene	0.43	U	0.43	2.40	ug/Kg
108-90-7	Chlorobenzene	0.36	U	0.36	2.40	ug/Kg
100-41-4	Ethyl Benzene	0.30	U	0.30	2.40	ug/Kg
179601-23-1	m/p-Xylenes	0.66	U	0.66	4.90	ug/Kg
95-47-6	o-Xylene	0.34	U	0.34	2.40	ug/Kg
100-42-5	Styrene	0.29	U	0.29	2.40	ug/Kg
75-25-2	Bromoform	0.39	U	0.39	2.40	ug/Kg
98-82-8	Isopropylbenzene	0.33	U	0.33	2.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.54	U	0.54	2.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.36	U	0.36	2.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.39	U	0.39	2.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.29	U	0.29	2.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.76	U	0.76	2.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.38	U	0.38	2.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.38	U	0.38	2.40	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	61.8	50 - 163	124%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7	54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.5	58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7	29 - 146	101%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	199000	7.713
540-36-3	1,4-Difluorobenzene	428000	8.616
3114-55-4	Chlorobenzene-d5	407000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

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Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-2(2)		SDG No.:	P4722	
Lab Sample ID:	P4722-06		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	89.8	
Sample Wt/Vol:	11.43	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020207.D	1		11/07/24 15:20	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003387-41-5	Bicyclo[3.1.0]hexane, 4-methylene-	4.00	J		12.7	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-3(5)		SDG No.:	P4722	
Lab Sample ID:	P4722-11		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	71.8	
Sample Wt/Vol:	8.34	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020206.D	1		11/07/24 14:57	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.20	ug/Kg
74-87-3	Chloromethane	0.97	U	0.97	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.20	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.20	ug/Kg
75-00-3	Chloroethane	0.84	U	0.84	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.65	U	0.65	4.20	ug/Kg
67-64-1	Acetone	120		5.20	20.9	ug/Kg
75-15-0	Carbon Disulfide	1.70	J	1.10	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	4.20	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.20	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.53	U	0.53	4.20	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	4.20	ug/Kg
78-93-3	2-Butanone	34.1		4.70	20.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	4.20	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.20	ug/Kg
67-66-3	Chloroform	0.56	U	0.56	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.65	U	0.65	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.20	ug/Kg
71-43-2	Benzene	0.60	U	0.60	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.51	U	0.51	4.20	ug/Kg
79-01-6	Trichloroethene	0.63	U	0.63	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.55	U	0.55	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.47	U	0.47	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	20.9	ug/Kg
108-88-3	Toluene	0.56	U	0.56	4.20	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(5)	SDG No.:	P4722
Lab Sample ID:	P4722-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	71.8
Sample Wt/Vol:	8.34	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10
GC Column:	RXI-624	Level :	LOW
Prep Method :	ID : 0.25		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020206.D	1		11/07/24 14:57	VY110724

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Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-3(5)		SDG No.:	P4722	
Lab Sample ID:	P4722-11		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	71.8	
Sample Wt/Vol:	8.34	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020206.D	1		11/07/24 14:57	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000091-17-8	Naphthalene, decahydro-	120	J		13.7	ug/Kg
	unknown14.066	55.1	J		14.1	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	170	J		14.2	ug/Kg
002958-75-0	1-Methyldecahydronaphthalene	190	J		14.3	ug/Kg
	unknown14.651	110	J		14.7	ug/Kg
066660-43-3	trans, cis-3-Ethylbicyclo[4.4.0]de	58.2	J		14.8	ug/Kg
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	64.0	J		15.0	ug/Kg
	unknown15.255	160	J		15.3	ug/Kg
061142-70-9	Cyclohexane, 2,4-diethyl-1-methyl-	70.6	J		15.3	ug/Kg
	unknown15.511	91.3	J		15.5	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(3.5)	SDG No.:	P4722
Lab Sample ID:	P4722-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.8
Sample Wt/Vol:	11.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020209.D	1		11/07/24 16:07	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	0.88	2.70	ug/Kg
74-87-3	Chloromethane	0.62	U	0.62	2.70	ug/Kg
75-01-4	Vinyl Chloride	0.41	U	0.41	2.70	ug/Kg
74-83-9	Bromomethane	0.55	U	0.55	2.70	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	2.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.48	U	0.48	2.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.57	U	0.57	2.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.41	U	0.41	2.70	ug/Kg
67-64-1	Acetone	3.30	U	3.30	13.3	ug/Kg
75-15-0	Carbon Disulfide	0.68	U	0.68	2.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	2.70	ug/Kg
79-20-9	Methyl Acetate	0.96	U	0.96	2.70	ug/Kg
75-09-2	Methylene Chloride	1.80	U	1.80	5.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.45	U	0.45	2.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.33	U	0.33	2.70	ug/Kg
110-82-7	Cyclohexane	0.37	U	0.37	2.70	ug/Kg
78-93-3	2-Butanone	3.00	U	3.00	13.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.46	U	0.46	2.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.32	U	0.32	2.70	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	2.70	ug/Kg
67-66-3	Chloroform	0.36	U	0.36	2.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.41	U	0.41	2.70	ug/Kg
108-87-2	Methylcyclohexane	0.46	U	0.46	2.70	ug/Kg
71-43-2	Benzene	0.38	U	0.38	2.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.32	U	0.32	2.70	ug/Kg
79-01-6	Trichloroethene	0.40	U	0.40	2.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.35	U	0.35	2.70	ug/Kg
75-27-4	Bromodichloromethane	0.30	U	0.30	2.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.30	U	2.30	13.3	ug/Kg
108-88-3	Toluene	0.36	U	0.36	2.70	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(3.5)	SDG No.:	P4722
Lab Sample ID:	P4722-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.8
Sample Wt/Vol:	11.8	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020209.D	1		11/07/24 16:07	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.32	U	0.32	2.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.30	U	0.30	2.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	2.70	ug/Kg
591-78-6	2-Hexanone	2.50	U	2.50	13.3	ug/Kg
124-48-1	Dibromochloromethane	0.35	U	0.35	2.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.42	U	0.42	2.70	ug/Kg
127-18-4	Tetrachloroethene	0.47	U	0.47	2.70	ug/Kg
108-90-7	Chlorobenzene	0.39	U	0.39	2.70	ug/Kg
100-41-4	Ethyl Benzene	0.33	U	0.33	2.70	ug/Kg
179601-23-1	m/p-Xylenes	0.72	U	0.72	5.30	ug/Kg
95-47-6	o-Xylene	0.37	U	0.37	2.70	ug/Kg
100-42-5	Styrene	0.32	U	0.32	2.70	ug/Kg
75-25-2	Bromoform	0.43	U	0.43	2.70	ug/Kg
98-82-8	Isopropylbenzene	0.36	U	0.36	2.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.58	U	0.58	2.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.39	U	0.39	2.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.42	U	0.42	2.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.31	U	0.31	2.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.83	U	0.83	2.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	2.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.41	U	0.41	2.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	62.6	50 - 163	125%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6	54 - 147	107%	SPK: 50
2037-26-5	Toluene-d8	49.3	58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9	29 - 146	96%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	181000	7.713
540-36-3	1,4-Difluorobenzene	389000	8.616
3114-55-4	Chlorobenzene-d5	362000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.347

TENTATIVE IDENTIFIED COMPOUNDS

A
B
C
D
E
F
G

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-1(3.5)		SDG No.:	P4722	
Lab Sample ID:	P4722-17		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	79.8	
Sample Wt/Vol:	11.8	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020209.D	1		11/07/24 16:07	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
91-20-3	Naphthalene	0.95	J		15.1	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-2(4)		SDG No.:	P4722	
Lab Sample ID:	P4722-19		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	89.4	
Sample Wt/Vol:	12.89	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020210.D	1		11/07/24 16:31	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.72	U	0.72	2.20	ug/Kg
74-87-3	Chloromethane	0.50	U	0.50	2.20	ug/Kg
75-01-4	Vinyl Chloride	0.33	U	0.33	2.20	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	2.20	ug/Kg
75-00-3	Chloroethane	0.44	U	0.44	2.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.39	U	0.39	2.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.46	U	0.46	2.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.34	U	0.34	2.20	ug/Kg
67-64-1	Acetone	2.70	U	2.70	10.8	ug/Kg
75-15-0	Carbon Disulfide	0.56	U	0.56	2.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.29	U	0.29	2.20	ug/Kg
79-20-9	Methyl Acetate	0.78	U	0.78	2.20	ug/Kg
75-09-2	Methylene Chloride	1.50	U	1.50	4.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.36	U	0.36	2.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.27	U	0.27	2.20	ug/Kg
110-82-7	Cyclohexane	0.30	U	0.30	2.20	ug/Kg
78-93-3	2-Butanone	2.50	U	2.50	10.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.38	U	0.38	2.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.26	U	0.26	2.20	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	2.20	ug/Kg
67-66-3	Chloroform	0.29	U	0.29	2.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.34	U	0.34	2.20	ug/Kg
108-87-2	Methylcyclohexane	0.38	U	0.38	2.20	ug/Kg
71-43-2	Benzene	0.31	U	0.31	2.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.26	U	0.26	2.20	ug/Kg
79-01-6	Trichloroethene	0.33	U	0.33	2.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.29	U	0.29	2.20	ug/Kg
75-27-4	Bromodichloromethane	0.24	U	0.24	2.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.90	U	1.90	10.8	ug/Kg
108-88-3	Toluene	0.29	U	0.29	2.20	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-2(4)		SDG No.:	P4722	
Lab Sample ID:	P4722-19		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	89.4	
Sample Wt/Vol:	12.89	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020210.D	1		11/07/24 16:31	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.26	U	0.26	2.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.25	U	0.25	2.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.36	U	0.36	2.20	ug/Kg
591-78-6	2-Hexanone	2.10	U	2.10	10.8	ug/Kg
124-48-1	Dibromochloromethane	0.28	U	0.28	2.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.34	U	0.34	2.20	ug/Kg
127-18-4	Tetrachloroethene	0.39	U	0.39	2.20	ug/Kg
108-90-7	Chlorobenzene	0.32	U	0.32	2.20	ug/Kg
100-41-4	Ethyl Benzene	0.27	U	0.27	2.20	ug/Kg
179601-23-1	m/p-Xylenes	0.59	U	0.59	4.30	ug/Kg
95-47-6	o-Xylene	0.30	U	0.30	2.20	ug/Kg
100-42-5	Styrene	0.26	U	0.26	2.20	ug/Kg
75-25-2	Bromoform	0.35	U	0.35	2.20	ug/Kg
98-82-8	Isopropylbenzene	0.29	U	0.29	2.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.48	U	0.48	2.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.32	U	0.32	2.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.35	U	0.35	2.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.26	U	0.26	2.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.68	U	0.68	2.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.34	U	0.34	2.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.34	U	0.34	2.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.4		50 - 163	129%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		54 - 147	108%	SPK: 50
2037-26-5	Toluene-d8	49.8		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		29 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	7.707			
540-36-3	1,4-Difluorobenzene	387000	8.616			
3114-55-4	Chlorobenzene-d5	366000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.346			

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-2(4)		SDG No.:	P4722	
Lab Sample ID:	P4722-19		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	89.4	
Sample Wt/Vol:	12.89	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020210.D	1		11/07/24 16:31	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-3(3)		SDG No.:	P4722	
Lab Sample ID:	P4722-21		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	87.7	
Sample Wt/Vol:	12.07	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020211.D	1		11/07/24 16:54	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.78	U	0.78	2.40	ug/Kg
74-87-3	Chloromethane	0.55	U	0.55	2.40	ug/Kg
75-01-4	Vinyl Chloride	0.36	U	0.36	2.40	ug/Kg
74-83-9	Bromomethane	0.49	U	0.49	2.40	ug/Kg
75-00-3	Chloroethane	0.48	U	0.48	2.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.43	U	0.43	2.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.51	U	0.51	2.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.37	U	0.37	2.40	ug/Kg
67-64-1	Acetone	2.90	U	2.90	11.8	ug/Kg
75-15-0	Carbon Disulfide	0.60	U	0.60	2.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.32	U	0.32	2.40	ug/Kg
79-20-9	Methyl Acetate	0.85	U	0.85	2.40	ug/Kg
75-09-2	Methylene Chloride	1.60	U	1.60	4.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.40	U	0.40	2.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.30	U	0.30	2.40	ug/Kg
110-82-7	Cyclohexane	0.33	U	0.33	2.40	ug/Kg
78-93-3	2-Butanone	2.70	U	2.70	11.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.41	U	0.41	2.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.29	U	0.29	2.40	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	2.40	ug/Kg
67-66-3	Chloroform	0.32	U	0.32	2.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.37	U	0.37	2.40	ug/Kg
108-87-2	Methylcyclohexane	0.41	U	0.41	2.40	ug/Kg
71-43-2	Benzene	0.34	U	0.34	2.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.29	U	0.29	2.40	ug/Kg
79-01-6	Trichloroethene	0.35	U	0.35	2.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.31	U	0.31	2.40	ug/Kg
75-27-4	Bromodichloromethane	0.26	U	0.26	2.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.10	U	2.10	11.8	ug/Kg
108-88-3	Toluene	0.32	U	0.32	2.40	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-3(3)		SDG No.:	P4722	
Lab Sample ID:	P4722-21		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	87.7	
Sample Wt/Vol:	12.07	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020211.D	1		11/07/24 16:54	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.28	U	0.28	2.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.27	U	0.27	2.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.40	U	0.40	2.40	ug/Kg
591-78-6	2-Hexanone	2.30	U	2.30	11.8	ug/Kg
124-48-1	Dibromochloromethane	0.31	U	0.31	2.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.37	U	0.37	2.40	ug/Kg
127-18-4	Tetrachloroethene	1.00	J	0.42	2.40	ug/Kg
108-90-7	Chlorobenzene	0.35	U	0.35	2.40	ug/Kg
100-41-4	Ethyl Benzene	0.29	U	0.29	2.40	ug/Kg
179601-23-1	m/p-Xylenes	0.64	U	0.64	4.70	ug/Kg
95-47-6	o-Xylene	0.33	U	0.33	2.40	ug/Kg
100-42-5	Styrene	0.28	U	0.28	2.40	ug/Kg
75-25-2	Bromoform	0.38	U	0.38	2.40	ug/Kg
98-82-8	Isopropylbenzene	0.32	U	0.32	2.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.52	U	0.52	2.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.35	U	0.35	2.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.38	U	0.38	2.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.28	U	0.28	2.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.74	U	0.74	2.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.37	U	0.37	2.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.37	U	0.37	2.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.3		50 - 163	131%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		54 - 147	109%	SPK: 50
2037-26-5	Toluene-d8	49.5		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		29 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	7.713			
540-36-3	1,4-Difluorobenzene	372000	8.616			
3114-55-4	Chlorobenzene-d5	352000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.346			

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-3(3)		SDG No.:	P4722	
Lab Sample ID:	P4722-21		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	87.7	
Sample Wt/Vol:	12.07	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020211.D	1		11/07/24 16:54	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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.: **P4722**

Client: **Walsh Construction Company II, LLC**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P4722-01	WC-1(5.5)	1,2-Dichloroethane-d4	50	61.1	122	50	163
		Dibromofluoromethane	50	52.4	105	54	147
		Toluene-d8	50	48.9	98	58	134
		4-Bromofluorobenzene	50	43.7	87	29	146
P4722-06	WC-2(2)	1,2-Dichloroethane-d4	50	61.8	124	50	163
		Dibromofluoromethane	50	52.7	105	54	147
		Toluene-d8	50	49.5	99	58	134
		4-Bromofluorobenzene	50	50.7	101	29	146
P4722-11	WC-3(5)	1,2-Dichloroethane-d4	50	69.3	139	50	163
		Dibromofluoromethane	50	55.6	111	54	147
		Toluene-d8	50	51.0	102	58	134
		4-Bromofluorobenzene	50	60.7	121	29	146
P4722-17	WC-1(3.5)	1,2-Dichloroethane-d4	50	62.6	125	50	163
		Dibromofluoromethane	50	53.6	107	54	147
		Toluene-d8	50	49.3	99	58	134
		4-Bromofluorobenzene	50	47.9	96	29	146
P4722-19	WC-2(4)	1,2-Dichloroethane-d4	50	64.4	129	50	163
		Dibromofluoromethane	50	54.2	108	54	147
		Toluene-d8	50	49.8	100	58	134
		4-Bromofluorobenzene	50	48.9	98	29	146
P4722-21	WC-3(3)	1,2-Dichloroethane-d4	50	65.3	131	50	163
		Dibromofluoromethane	50	54.3	109	54	147
		Toluene-d8	50	49.5	99	58	134
		4-Bromofluorobenzene	50	47.3	95	29	146
VY1107SBL01	VY1107SBL01	1,2-Dichloroethane-d4	50	55.0	110	50	163
		Dibromofluoromethane	50	52.5	105	54	147
		Toluene-d8	50	49.4	99	58	134
		4-Bromofluorobenzene	50	43.8	88	29	146
VY1107SBS01	VY1107SBS01	1,2-Dichloroethane-d4	50	52.9	106	50	163
		Dibromofluoromethane	50	52.6	105	54	147
		Toluene-d8	50	51.9	104	58	134
		4-Bromofluorobenzene	50	52.2	104	29	146
VY1107SBSD01	VY1107SBSD01	1,2-Dichloroethane-d4	50	54.1	108	50	163
		Dibromofluoromethane	50	51.8	104	54	147
		Toluene-d8	50	51.6	103	58	134
		4-Bromofluorobenzene	50	51.7	103	29	146
VY1108SBL01	VY1108SBL01	1,2-Dichloroethane-d4	50	55.5	111	50	163
		Dibromofluoromethane	50	50.6	101	54	147
		Toluene-d8	50	48.3	97	58	134
		4-Bromofluorobenzene	50	44.7	89	29	146
VY1108SBS01	VY1108SBS01	1,2-Dichloroethane-d4	50	50.8	102	50	163
		Dibromofluoromethane	50	49.9	100	54	147
		Toluene-d8	50	49.1	98	58	134
		4-Bromofluorobenzene	50	50.0	100	29	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Datafile : VY020198.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1107SBS01	Dichlorodifluoromethane	20	18.5	ug/Kg	93			64	136	
	Chloromethane	20	20.8	ug/Kg	104			70	130	
	Vinyl chloride	20	21.4	ug/Kg	107			72	129	
	Bromomethane	20	22.2	ug/Kg	111			58	141	
	Chloroethane	20	22.8	ug/Kg	114			69	130	
	Trichlorofluoromethane	20	21.9	ug/Kg	110			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			81	123	
	1,1-Dichloroethene	20	21.1	ug/Kg	106			79	121	
	Acetone	100	100	ug/Kg	100			60	131	
	Carbon disulfide	20	19.5	ug/Kg	98			45	154	
	Methyl tert-butyl Ether	20	21.5	ug/Kg	108			77	129	
	Methyl Acetate	20	22.4	ug/Kg	112			69	149	
	Methylene Chloride	20	20.3	ug/Kg	102			56	174	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			80	123	
	1,1-Dichloroethane	20	21.1	ug/Kg	106			82	123	
	Cyclohexane	20	20.0	ug/Kg	100			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	21.3	ug/Kg	106			76	129	
	cis-1,2-Dichloroethene	20	21.0	ug/Kg	105			82	123	
	Bromochloromethane	20	20.7	ug/Kg	104			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.4	ug/Kg	107			80	126	
	Methylcyclohexane	20	19.9	ug/Kg	100			77	123	
	Benzene	20	21.0	ug/Kg	105			84	121	
	1,2-Dichloroethane	20	21.9	ug/Kg	110			81	126	
	Trichloroethene	20	20.8	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	21.7	ug/Kg	109			83	122	
	Bromodichloromethane	20	20.9	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	21.4	ug/Kg	107			83	122	
	t-1,3-Dichloropropene	20	20.7	ug/Kg	104			78	124	
	cis-1,3-Dichloropropene	20	21.3	ug/Kg	106			81	122	
	1,1,2-Trichloroethane	20	23.0	ug/Kg	115			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	21.5	ug/Kg	108			79	125	
	1,2-Dibromoethane	20	21.4	ug/Kg	107			80	125	
	Tetrachloroethene	20	21.0	ug/Kg	105			83	125	
	Chlorobenzene	20	21.0	ug/Kg	105			84	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	42.1	ug/Kg	105			83	124	
	o-Xylene	20	21.1	ug/Kg	106			83	123	
	Styrene	20	21.4	ug/Kg	107			82	124	
	Bromoform	20	21.7	ug/Kg	109			75	127	
	Isopropylbenzene	20	21.2	ug/Kg	106			82	124	
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106			77	127	
	1,3-Dichlorobenzene	20	21.5	ug/Kg	108			83	122	
	1,4-Dichlorobenzene	20	21.6	ug/Kg	108			84	121	
	1,2-Dichlorobenzene	20	21.7	ug/Kg	109			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Datafile : VY020198.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1107SBS01	1,2-Dibromo-3-Chloropropane	20	21.4	ug/Kg	107			66	134	
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104			78	127	
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Datafile : VY020199.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1107SBSD01	Dichlorodifluoromethane	20	19.2	ug/Kg	96	3		64	136	20
	Chloromethane	20	19.6	ug/Kg	98	6		70	130	20
	Vinyl chloride	20	20.0	ug/Kg	100	7		72	129	20
	Bromomethane	20	20.8	ug/Kg	104	7		58	141	20
	Chloroethane	20	20.5	ug/Kg	103	10		69	130	20
	Trichlorofluoromethane	20	19.6	ug/Kg	98	12		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/Kg	100	8		81	123	20
	1,1-Dichloroethene	20	19.1	ug/Kg	96	10		79	121	20
	Acetone	100	110	ug/Kg	110	10		60	131	20
	Carbon disulfide	20	17.4	ug/Kg	87	12		45	154	20
	Methyl tert-butyl Ether	20	21.8	ug/Kg	109	1		77	129	20
	Methyl Acetate	20	22.8	ug/Kg	114	2		69	149	20
	Methylene Chloride	20	19.2	ug/Kg	96	6		56	174	20
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96	9		80	123	20
	1,1-Dichloroethane	20	20.7	ug/Kg	104	2		82	123	20
	Cyclohexane	20	17.9	ug/Kg	90	11		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	19.0	ug/Kg	95	11		76	129	20
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100	5		82	123	20
	Bromochloromethane	20	19.9	ug/Kg	100	4		80	127	20
	Chloroform	20	20.6	ug/Kg	103	5		82	125	20
	1,1,1-Trichloroethane	20	20.3	ug/Kg	102	5		80	126	20
	Methylcyclohexane	20	17.5	ug/Kg	88	13		77	123	20
	Benzene	20	19.9	ug/Kg	100	5		84	121	20
	1,2-Dichloroethane	20	21.1	ug/Kg	106	4		81	126	20
	Trichloroethene	20	19.7	ug/Kg	99	5		83	122	20
	1,2-Dichloropropane	20	20.8	ug/Kg	104	5		83	122	20
	Bromodichloromethane	20	20.6	ug/Kg	103	1		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		70	135	20
	Toluene	20	19.9	ug/Kg	100	7		83	122	20
	t-1,3-Dichloropropene	20	19.8	ug/Kg	99	5		78	124	20
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102	4		81	122	20
	1,1,2-Trichloroethane	20	21.5	ug/Kg	108	6		82	125	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20
	Dibromochloromethane	20	21.4	ug/Kg	107	1		79	125	20
	1,2-Dibromoethane	20	21.1	ug/Kg	106	1		80	125	20
	Tetrachloroethene	20	19.7	ug/Kg	99	6		83	125	20
	Chlorobenzene	20	20.1	ug/Kg	101	4		84	122	20
	Ethyl Benzene	20	19.4	ug/Kg	97	7		82	124	20
	m/p-Xylenes	40	39.0	ug/Kg	98	7		83	124	20
	o-Xylene	20	19.4	ug/Kg	97	9		83	123	20
	Styrene	20	19.9	ug/Kg	100	7		82	124	20
	Bromoform	20	21.9	ug/Kg	110	1		75	127	20
	Isopropylbenzene	20	19.4	ug/Kg	97	9		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106	0		77	127	20
	1,3-Dichlorobenzene	20	20.0	ug/Kg	100	8		83	122	20
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100	8		84	121	20
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103	6		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Datafile : VY020199.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1107SBSD01	1,2-Dibromo-3-Chloropropane	20	20.6	ug/Kg	103	4		66	134	20
	1,2,4-Trichlorobenzene	20	19.5	ug/Kg	98	6		78	127	20
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	2		70	137	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Datafile : VY020223.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1108SBS01	Dichlorodifluoromethane	20	17.2	ug/Kg	86			64	136	
	Chloromethane	20	18.6	ug/Kg	93			70	130	
	Vinyl chloride	20	19.3	ug/Kg	97			72	129	
	Bromomethane	20	20.2	ug/Kg	101			58	141	
	Chloroethane	20	19.9	ug/Kg	100			69	130	
	Trichlorofluoromethane	20	21.4	ug/Kg	107			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			81	123	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			79	121	
	Acetone	100	100	ug/Kg	100			60	131	
	Carbon disulfide	20	17.1	ug/Kg	86			45	154	
	Methyl tert-butyl Ether	20	21.8	ug/Kg	109			77	129	
	Methyl Acetate	20	20.8	ug/Kg	104			69	149	
	Methylene Chloride	20	18.5	ug/Kg	93			56	174	
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101			80	123	
	1,1-Dichloroethane	20	20.6	ug/Kg	103			82	123	
	Cyclohexane	20	18.5	ug/Kg	93			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	20.1	ug/Kg	101			76	129	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			82	123	
	Bromochloromethane	20	19.9	ug/Kg	100			80	127	
	Chloroform	20	21.1	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106			80	126	
	Methylcyclohexane	20	18.5	ug/Kg	93			77	123	
	Benzene	20	19.8	ug/Kg	99			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	19.7	ug/Kg	99			83	122	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			83	122	
	Bromodichloromethane	20	20.7	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	19.9	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100			78	124	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	20.5	ug/Kg	103			82	125	
	2-Hexanone	100	100	ug/Kg	100			66	138	
	Dibromochloromethane	20	20.7	ug/Kg	104			79	125	
	1,2-Dibromoethane	20	20.4	ug/Kg	102			80	125	
	Tetrachloroethene	20	20.5	ug/Kg	103			83	125	
	Chlorobenzene	20	20.1	ug/Kg	101			84	122	
	Ethyl Benzene	20	19.8	ug/Kg	99			82	124	
	m/p-Xylenes	40	40.6	ug/Kg	102			83	124	
	o-Xylene	20	20.0	ug/Kg	100			83	123	
	Styrene	20	20.7	ug/Kg	104			82	124	
	Bromoform	20	21.4	ug/Kg	107			75	127	
	Isopropylbenzene	20	20.6	ug/Kg	103			82	124	
	1,1,2,2-Tetrachloroethane	20	20.9	ug/Kg	104			77	127	
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Datafile : VY020223.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1108SBS01	1,2-Dibromo-3-Chloropropane	20	21.5	ug/Kg	108			66	134	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			78	127	
	1,2,3-Trichlorobenzene	20	19.2	ug/Kg	96			70	137	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1107SBL01

Lab Name: CHEMTECH

Contract: WALS01

Lab Code: CHEM Case No.: P4722

SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020197.D

Lab Sample ID: VY1107SBL01

Date Analyzed: 11/07/2024

Time Analyzed: 11:19

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1107SBS01	VY1107SBS01	VY020198.D	11/07/2024
VY1107SBSD01	VY1107SBSD01	VY020199.D	11/07/2024
WC-3 (5)	P4722-11	VY020206.D	11/07/2024
WC-2 (2)	P4722-06	VY020207.D	11/07/2024
WC-1 (3.5)	P4722-17	VY020209.D	11/07/2024
WC-2 (4)	P4722-19	VY020210.D	11/07/2024
WC-3 (3)	P4722-21	VY020211.D	11/07/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1108SBL01

Lab Name: CHEMTECH

Contract: WALS01

Lab Code: CHEM Case No.: P4722

SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020222.D

Lab Sample ID: VY1108SBL01

Date Analyzed: 11/08/2024

Time Analyzed: 10:40

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1108SBS01	VY1108SBS01	VY020223.D	11/08/2024
WC-1 (5.5)	P4722-01	VY020230.D	11/08/2024

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01
Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722
Lab File ID: VY020074.D BFB Injection Date: 10/30/2024
Instrument ID: MSVOA_Y BFB Injection Time: 12:07
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
75	30.0 - 60.0% of mass 95	57.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.8 (7.8) 1
176	95.0 - 101.0% of mass 174	70.8 (95.1) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY020075.D	10/30/2024	12:39
VSTDIC010	VSTDIC010	VY020076.D	10/30/2024	13:02
VSTDIC020	VSTDIC020	VY020077.D	10/30/2024	13:24
VSTDIC050	VSTDIC050	VY020078.D	10/30/2024	14:06
VSTDIC100	VSTDIC100	VY020079.D	10/30/2024	14:29
VSTDIC150	VSTDIC150	VY020080.D	10/30/2024	14:52

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01
Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722
Lab File ID: VY020195.D BFB Injection Date: 11/07/2024
Instrument ID: MSVOA_Y BFB Injection Time: 08:36
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.8
75	30.0 - 60.0% of mass 95	57.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	71.7
175	5.0 - 9.0% of mass 174	5.8 (8.1) 1
176	95.0 - 101.0% of mass 174	70.5 (98.3) 1
177	5.0 - 9.0% of mass 176	4.6 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020196.D	11/07/2024	10:27
VY1107SBL01	VY1107SBL01	VY020197.D	11/07/2024	11:19
VY1107SBS01	VY1107SBS01	VY020198.D	11/07/2024	11:50
VY1107SBSD01	VY1107SBSD01	VY020199.D	11/07/2024	12:13
WC-3 (5)	P4722-11	VY020206.D	11/07/2024	14:57
WC-2 (2)	P4722-06	VY020207.D	11/07/2024	15:20
WC-1 (3.5)	P4722-17	VY020209.D	11/07/2024	16:07
WC-2 (4)	P4722-19	VY020210.D	11/07/2024	16:31
WC-3 (3)	P4722-21	VY020211.D	11/07/2024	16:54

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01
Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722
Lab File ID: VY020220.D BFB Injection Date: 11/08/2024
Instrument ID: MSVOA_Y BFB Injection Time: 08:45
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23
75	30.0 - 60.0% of mass 95	58.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	72.6 (98.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020221.D	11/08/2024	09:33
VY1108SBL01	VY1108SBL01	VY020222.D	11/08/2024	10:40
VY1108SBS01	VY1108SBS01	VY020223.D	11/08/2024	11:19
WC-1 (5.5)	P4722-01	VY020230.D	11/08/2024	14:02

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01
Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722
Lab File ID: VY020196.D Date Analyzed: 11/07/2024
Instrument ID: MSVOA_Y Time Analyzed: 10:27
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	221675	7.71	394769	8.62	345161	11.41
UPPER LIMIT	443350	8.213	789538	9.116	690322	11.914
LOWER LIMIT	110838	7.213	197385	8.116	172581	10.914
EPA SAMPLE NO.						
WC-2 (2)	198592	7.71	428344	8.62	407022	11.41
WC-3 (5)	142540	7.71	298274	8.62	289563	11.41
WC-1 (3.5)	181277	7.71	389130	8.62	362163	11.41
WC-2 (4)	179581	7.71	387425	8.62	366025	11.41
WC-3 (3)	175489	7.71	372455	8.62	352192	11.41
VY1107SBL01	168265	7.71	343319	8.62	313025	11.41
VY1107SBS01	202685	7.71	361864	8.62	315230	11.41
VY1107SBSD01	206563	7.71	375441	8.62	325231	11.41

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01
Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722
Lab File ID: VY020196.D Date Analyzed: 11/07/2024
Instrument ID: MSVOA_Y Time Analyzed: 10:27
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	165809	13.347				
UPPER LIMIT	331618	13.847				
LOWER LIMIT	82904.5	12.847				
EPA SAMPLE NO.						
WC-2 (2)	153864	13.35				
WC-3 (5)	125008	13.35				
WC-1 (3.5)	133281	13.35				
WC-2 (4)	138732	13.35				
WC-3 (3)	123426	13.35				
VY1107SBL01	103250	13.35				
VY1107SBS01	144996	13.35				
VY1107SBSD01	151947	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01
Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722
Lab File ID: VY020221.D Date Analyzed: 11/08/2024
Instrument ID: MSVOA_Y Time Analyzed: 09:33
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	282936	7.71	514187	8.62	441792	11.42
UPPER LIMIT	565872	8.213	1028370	9.116	883584	11.92
LOWER LIMIT	141468	7.213	257094	8.116	220896	10.92
EPA SAMPLE NO.						
WC-1(5.5)	209744	7.71	444878	8.62	397795	11.41
VY1108SBL01	212436	7.71	452508	8.62	403401	11.42
VY1108SBS01	263593	7.71	480169	8.62	412478	11.41

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01
 Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722
 Lab File ID: VY020221.D Date Analyzed: 11/08/2024
 Instrument ID: MSVOA_Y Time Analyzed: 09:33
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	208354	13.353				
UPPER LIMIT	416708	13.853				
LOWER LIMIT	104177	12.853				
EPA SAMPLE NO.						
WC-1 (5.5)	127098	13.35				
VY1108SBL01	137264	13.35				
VY1108SBS01	187903	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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



QC SAMPLE DATA

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1107SBL01		SDG No.:	P4722
Lab Sample ID:	VY1107SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020197.D	1		11/07/24 11:19	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1107SBL01		SDG No.:	P4722
Lab Sample ID:	VY1107SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020197.D	1		11/07/24 11:19	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		50 - 163	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.4		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		29 - 146	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	168000	7.713			
540-36-3	1,4-Difluorobenzene	343000	8.616			
3114-55-4	Chlorobenzene-d5	313000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.347			

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1107SBL01		SDG No.:	P4722
Lab Sample ID:	VY1107SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020197.D	1		11/07/24 11:19	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1108SBL01		SDG No.:	P4722
Lab Sample ID:	VY1108SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020222.D	1		11/08/24 10:40	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1108SBL01		SDG No.:	P4722
Lab Sample ID:	VY1108SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020222.D	1		11/08/24 10:40	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		50 - 163	111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		54 - 147	101%	SPK: 50
2037-26-5	Toluene-d8	48.3		58 - 134	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		29 - 146	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	212000	7.713			
540-36-3	1,4-Difluorobenzene	453000	8.616			
3114-55-4	Chlorobenzene-d5	403000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.352			

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1108SBL01		SDG No.:	P4722
Lab Sample ID:	VY1108SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020222.D	1		11/08/24 10:40	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1107SBS01		SDG No.:	P4722
Lab Sample ID:	VY1107SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020198.D	1		11/07/24 11:50	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.5		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.4		0.77	5.00	ug/Kg
74-83-9	Bromomethane	22.2		1.00	5.00	ug/Kg
75-00-3	Chloroethane	22.8		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.1		0.78	5.00	ug/Kg
67-64-1	Acetone	100		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.5		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.5		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.1		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.3		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.0		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.7		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.5		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.4		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.9		0.87	5.00	ug/Kg
71-43-2	Benzene	21.0		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.9		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.8		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.7		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	21.4		0.67	5.00	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1107SBS01		SDG No.:	P4722
Lab Sample ID:	VY1107SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020198.D	1		11/07/24 11:50	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.3		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	23.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.5		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.4		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.0		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	21.0		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.1		0.70	5.00	ug/Kg
100-42-5	Styrene	21.4		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.7		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.5		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.6		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.7		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.4		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.7		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.0		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		50 - 163	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	51.9		58 - 134	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		29 - 146	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	7.707			
540-36-3	1,4-Difluorobenzene	362000	8.616			
3114-55-4	Chlorobenzene-d5	315000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.346			

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1107SBS01		SDG No.:	P4722
Lab Sample ID:	VY1107SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020198.D	1		11/07/24 11:50	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1108SBS01		SDG No.:	P4722
Lab Sample ID:	VY1108SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020223.D	1		11/08/24 11:19	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.6		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.3		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.9		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.4		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.2		0.78	5.00	ug/Kg
67-64-1	Acetone	100		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.1		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.8		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.8		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	18.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.1		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.5		0.87	5.00	ug/Kg
71-43-2	Benzene	19.8		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.7		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	19.9		0.67	5.00	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1108SBS01		SDG No.:	P4722
Lab Sample ID:	VY1108SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020223.D	1		11/08/24 11:19	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.5		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.7		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.4		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.6		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.70	5.00	ug/Kg
100-42-5	Styrene	20.7		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.4		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.6		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.9		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.6		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.5		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.5		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.2		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		50 - 163	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		54 - 147	100%	SPK: 50
2037-26-5	Toluene-d8	49.1		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		29 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	264000	7.707			
540-36-3	1,4-Difluorobenzene	480000	8.615			
3114-55-4	Chlorobenzene-d5	412000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	188000	13.346			

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1108SBS01		SDG No.:	P4722
Lab Sample ID:	VY1108SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020223.D	1		11/08/24 11:19	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1107SBSD01		SDG No.:	P4722
Lab Sample ID:	VY1107SBSD01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020199.D	1		11/07/24 12:13	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.5		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.6		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.4		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.8		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.8		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.2		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.9		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.0		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.6		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.3		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.5		0.87	5.00	ug/Kg
71-43-2	Benzene	19.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.1		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.7		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	19.9		0.67	5.00	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1107SBSD01		SDG No.:	P4722
Lab Sample ID:	VY1107SBSD01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020199.D	1		11/07/24 12:13	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.8		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.5		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.1		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.7		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.4		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.0		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.70	5.00	ug/Kg
100-42-5	Styrene	19.9		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.9		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.4		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.0		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.5		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.5		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		50 - 163	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	51.6		58 - 134	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		29 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	7.707			
540-36-3	1,4-Difluorobenzene	375000	8.616			
3114-55-4	Chlorobenzene-d5	325000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.346			

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VY1107SBSD01		SDG No.:	P4722
Lab Sample ID:	VY1107SBSD01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020199.D	1		11/07/24 12:13	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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:	<u>CHEMTECH</u>	Contract:	<u>WALS01</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4722</u>
Instrument ID:	<u>MSVOA_Y</u>	SAS No.:	<u>P4722</u>
Heated Purge: (Y/N)	<u>Y</u>	SDG No.:	<u>P4722</u>
GC Column:	<u>RXI-624</u>	Calibration Date(s):	<u>10/30/2024</u>
ID:	<u>0.25 (mm)</u>	Calibration Time(s):	<u>12:39</u>
			<u>14:52</u>

LAB FILE ID:	RRF005 = VY020075.D	RRF010 = VY020076.D	RRF020 = VY020077.D	RRF050 = VY020078.D	RRF100 = VY020079.D	RRF150 = VY020080.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.507	0.488	0.482	0.381	0.456	0.463	0.463	9.5
Chloromethane	0.831	0.835	0.791	0.683	0.731	0.728	0.767	8.1
Vinyl Chloride	0.867	0.874	0.835	0.754	0.809	0.799	0.823	5.5
Bromomethane	0.631	0.574	0.545	0.480	0.521	0.528	0.546	9.5
Chloroethane	0.562	0.555	0.546	0.486	0.527	0.511	0.531	5.5
Trichlorofluoromethane	1.025	1.018	1.037	0.927	1.012	1.014	1.005	3.9
1,1,2-Trichlorotrifluoroethane	0.597	0.584	0.567	0.509	0.561	0.565	0.564	5.3
1,1-Dichloroethene	0.534	0.578	0.536	0.493	0.543	0.552	0.540	5.1
Acetone	0.134	0.138	0.138	0.140	0.165	0.155	0.145	8.5
Carbon Disulfide	1.790	1.835	1.806	1.674	1.832	1.837	1.796	3.5
Methyl tert-butyl Ether	1.229	1.344	1.376	1.241	1.483	1.471	1.357	8
Methyl Acetate	0.314	0.357	0.351	0.317	0.362	0.342	0.340	6
Methylene Chloride	0.807	0.716	0.641	0.555	0.597	0.597	0.652	14.3
trans-1,2-Dichloroethene	0.611	0.618	0.613	0.564	0.616	0.628	0.609	3.7
1,1-Dichloroethane	1.155	1.209	1.189	1.070	1.194	1.200	1.170	4.5
Cyclohexane	1.284	1.206	1.138	0.986	1.093	1.088	1.132	9.1
2-Butanone	0.187	0.197	0.192	0.179	0.219	0.206	0.197	7.3
Carbon Tetrachloride	0.467	0.491	0.499	0.462	0.519	0.524	0.494	5.2
cis-1,2-Dichloroethene	0.646	0.714	0.715	0.646	0.740	0.736	0.700	6.1
Bromochloromethane	0.572	0.562	0.527	0.505	0.553	0.567	0.548	4.8
Chloroform	1.141	1.170	1.186	1.068	1.196	1.203	1.161	4.3
1,1,1-Trichloroethane	0.986	1.026	1.009	0.950	1.041	1.069	1.013	4.1
Methylcyclohexane	0.603	0.602	0.631	0.578	0.665	0.661	0.623	5.6
Benzene	1.414	1.405	1.455	1.325	1.504	1.498	1.433	4.7
1,2-Dichloroethane	0.379	0.391	0.402	0.365	0.425	0.418	0.397	5.8
Trichloroethene	0.328	0.331	0.332	0.307	0.348	0.346	0.332	4.4
1,2-Dichloropropane	0.323	0.331	0.357	0.320	0.363	0.364	0.343	6
Bromodichloromethane	0.459	0.476	0.487	0.451	0.526	0.522	0.487	6.4
4-Methyl-2-Pentanone	0.190	0.223	0.238	0.219	0.269	0.252	0.232	11.9
Toluene	0.803	0.859	0.900	0.833	0.953	0.953	0.884	7.1

* 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: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52

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

LAB FILE ID:		RRF005 = VY020075.D		RRF010 = VY020076.D		RRF020 = VY020077.D		
		RRF050 = VY020078.D		RRF100 = VY020079.D		RRF150 = VY020080.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.369	0.400	0.436	0.401	0.486	0.487	0.430	11.3
cis-1,3-Dichloropropene	0.446	0.485	0.518	0.484	0.573	0.573	0.513	10
1,1,2-Trichloroethane	0.206	0.225	0.235	0.216	0.257	0.248	0.231	8.4
2-Hexanone	0.131	0.161	0.168	0.158	0.198	0.182	0.166	13.7
Dibromochloromethane	0.256	0.281	0.300	0.273	0.332	0.326	0.295	10.3
1,2-Dibromoethane	0.203	0.214	0.215	0.196	0.233	0.228	0.215	6.7
Tetrachloroethene	0.326	0.316	0.344	0.307	0.344	0.343	0.330	4.8
Chlorobenzene	1.024	1.044	1.094	0.993	1.114	1.124	1.065	5
Ethyl Benzene	1.886	1.934	2.015	1.876	2.114	2.124	1.992	5.5
m/p-Xylenes	0.685	0.693	0.742	0.692	0.779	0.782	0.729	6.2
o-Xylene	0.652	0.662	0.686	0.649	0.745	0.745	0.690	6.5
Styrene	0.985	1.080	1.154	1.093	1.259	1.273	1.141	9.8
Bromoform	0.151	0.162	0.173	0.165	0.202	0.195	0.175	11.4
Isopropylbenzene	4.065	3.829	3.995	3.685	4.099	4.293	3.994	5.3
1,1,2,2-Tetrachloroethane	0.716	0.707	0.698	0.624	0.727	0.719	0.699	5.4
1,3-Dichlorobenzene	1.659	1.521	1.680	1.509	1.703	1.774	1.641	6.4
1,4-Dichlorobenzene	1.680	1.604	1.653	1.487	1.666	1.716	1.634	5
1,2-Dichlorobenzene	1.391	1.384	1.460	1.310	1.483	1.530	1.426	5.6
1,2-Dibromo-3-Chloropropane	0.107	0.104	0.106	0.092	0.114	0.112	0.106	7.6
1,2,4-Trichlorobenzene	0.652	0.708	0.784	0.693	0.865	0.895	0.766	12.8
1,2,3-Trichlorobenzene	0.578	0.606	0.653	0.575	0.737	0.754	0.650	12.1
1,2-Dichloroethane-d4	0.608	0.657	0.578	0.586	0.668	0.647	0.624	6.1
Dibromofluoromethane	0.305	0.317	0.300	0.305	0.340	0.340	0.318	5.7
Toluene-d8	1.187	1.251	1.187	1.224	1.380	1.364	1.265	6.8
4-Bromofluorobenzene	0.371	0.402	0.376	0.399	0.463	0.454	0.411	9.5

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date/Time: 11/07/2024 10:27

Lab File ID: VY020196.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.463	0.423		-8.64	20
Chloromethane	0.767	0.852	0.1	11.08	20
Vinyl Chloride	0.823	0.900		9.36	20
Bromomethane	0.546	0.606		10.99	20
Chloroethane	0.531	0.598		12.62	20
Trichlorofluoromethane	1.005	1.058		5.27	20
1,1,2-Trichlorotrifluoroethane	0.564	0.594		5.32	20
1,1-Dichloroethene	0.540	0.561		3.89	20
Acetone	0.145	0.174		20	20
Carbon Disulfide	1.796	1.821		1.39	20
Methyl tert-butyl Ether	1.357	1.514		11.57	20
Methyl Acetate	0.340	0.370		8.82	20
Methylene Chloride	0.652	0.639		-1.99	20
trans-1,2-Dichloroethene	0.609	0.650		6.73	20
1,1-Dichloroethane	1.170	1.292	0.1	10.43	20
Cyclohexane	1.132	1.113		-1.68	20
2-Butanone	0.197	0.224		13.71	20
Carbon Tetrachloride	0.494	0.543		9.92	20
cis-1,2-Dichloroethene	0.700	0.773		10.43	20
Bromochloromethane	0.548	0.557		1.64	20
Chloroform	1.161	1.286		10.77	20
1,1,1-Trichloroethane	1.013	1.115		10.07	20
Methylcyclohexane	0.623	0.646		3.69	20
Benzene	1.433	1.588		10.82	20
1,2-Dichloroethane	0.397	0.446		12.34	20
Trichloroethene	0.332	0.359		8.13	20
1,2-Dichloropropane	0.343	0.388		13.12	20
Bromodichloromethane	0.487	0.550		12.94	20
4-Methyl-2-Pentanone	0.232	0.265		14.22	20
Toluene	0.884	0.985		11.43	20
t-1,3-Dichloropropene	0.430	0.500		16.28	20
cis-1,3-Dichloropropene	0.513	0.595		15.98	20
1,1,2-Trichloroethane	0.231	0.264		14.29	20
2-Hexanone	0.166	0.195		17.47	20
Dibromochloromethane	0.295	0.339		14.91	20
1,2-Dibromoethane	0.215	0.239		11.16	20
Tetrachloroethene	0.330	0.366		10.91	20
Chlorobenzene	1.065	1.193	0.3	12.02	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date/Time: 11/07/2024 10:27

Lab File ID: VY020196.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.992	2.235		12.2	20
m/p-Xylenes	0.729	0.825		13.17	20
o-Xylene	0.690	0.788		14.2	20
Styrene	1.141	1.335		17	20
Bromoform	0.175	0.204	0.1	16.57	20
Isopropylbenzene	3.994	4.361		9.19	20
1,1,2,2-Tetrachloroethane	0.699	0.750	0.3	7.3	20
1,3-Dichlorobenzene	1.641	1.834		11.76	20
1,4-Dichlorobenzene	1.634	1.787		9.36	20
1,2-Dichlorobenzene	1.426	1.588		11.36	20
1,2-Dibromo-3-Chloropropane	0.106	0.116		9.43	20
1,2,4-Trichlorobenzene	0.766	0.830		8.35	20
1,2,3-Trichlorobenzene	0.650	0.689		6	20
1,2-Dichloroethane-d4	0.624	0.663		6.25	20
Dibromofluoromethane	0.318	0.343		7.86	20
Toluene-d8	1.265	1.320		4.35	20
4-Bromofluorobenzene	0.411	0.446		8.52	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date/Time: 11/08/2024 09:33

Lab File ID: VY020221.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.463	0.412		-11.02	20
Chloromethane	0.767	0.758	0.1	-1.17	20
Vinyl Chloride	0.823	0.902		9.6	20
Bromomethane	0.546	0.575		5.31	20
Chloroethane	0.531	0.600		12.99	20
Trichlorofluoromethane	1.005	1.166		16.02	20
1,1,2-Trichlorotrifluoroethane	0.564	0.638		13.12	20
1,1-Dichloroethene	0.540	0.596		10.37	20
Acetone	0.145	0.177		22.07	20
Carbon Disulfide	1.796	1.901		5.85	20
Methyl tert-butyl Ether	1.357	1.510		11.27	20
Methyl Acetate	0.340	0.345		1.47	20
Methylene Chloride	0.652	0.630		-3.37	20
trans-1,2-Dichloroethene	0.609	0.682		11.99	20
1,1-Dichloroethane	1.170	1.333	0.1	13.93	20
Cyclohexane	1.132	1.185		4.68	20
2-Butanone	0.197	0.214		8.63	20
Carbon Tetrachloride	0.494	0.582		17.81	20
cis-1,2-Dichloroethene	0.700	0.800		14.29	20
Bromochloromethane	0.548	0.552		0.73	20
Chloroform	1.161	1.349		16.19	20
1,1,1-Trichloroethane	1.013	1.203		18.76	20
Methylcyclohexane	0.623	0.708		13.64	20
Benzene	1.433	1.608		12.21	20
1,2-Dichloroethane	0.397	0.432		8.82	20
Trichloroethene	0.332	0.376		13.25	20
1,2-Dichloropropane	0.343	0.385		12.24	20
Bromodichloromethane	0.487	0.557		14.37	20
4-Methyl-2-Pentanone	0.232	0.242		4.31	20
Toluene	0.884	1.030		16.52	20
t-1,3-Dichloropropene	0.430	0.481		11.86	20
cis-1,3-Dichloropropene	0.513	0.573		11.7	20
1,1,2-Trichloroethane	0.231	0.255		10.39	20
2-Hexanone	0.166	0.179		7.83	20
Dibromochloromethane	0.295	0.334		13.22	20
1,2-Dibromoethane	0.215	0.231		7.44	20
Tetrachloroethene	0.330	0.386		16.97	20
Chlorobenzene	1.065	1.227	0.3	15.21	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date/Time: 11/08/2024 09:33

Lab File ID: VY020221.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.992	2.350		17.97	20
m/p-Xylenes	0.729	0.859		17.83	20
o-Xylene	0.690	0.808		17.1	20
Styrene	1.141	1.371		20.16	20
Bromoform	0.175	0.201	0.1	14.86	20
Isopropylbenzene	3.994	4.721		18.2	20
1,1,2,2-Tetrachloroethane	0.699	0.726	0.3	3.86	20
1,3-Dichlorobenzene	1.641	1.877		14.38	20
1,4-Dichlorobenzene	1.634	1.830		11.99	20
1,2-Dichlorobenzene	1.426	1.635		14.66	20
1,2-Dibromo-3-Chloropropane	0.106	0.107		0.94	20
1,2,4-Trichlorobenzene	0.766	0.872		13.84	20
1,2,3-Trichlorobenzene	0.650	0.716		10.15	20
1,2-Dichloroethane-d4	0.624	0.603		-3.37	20
Dibromofluoromethane	0.318	0.309		-2.83	20
Toluene-d8	1.265	1.242		-1.82	20
4-Bromofluorobenzene	0.411	0.414		0.73	20

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