

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
P4722-02	WC-1(3.5)	TCLP	TCLP VOA	8260D	11/05/24		11/08/24	11/05/24
P4722-07	WC-2(4)	TCLP	TCLP VOA	8260D	11/05/24		11/11/24	11/05/24
P4722-12	WC-3(3)	TCLP	TCLP VOA	8260D	11/05/24		11/11/24	11/05/24
P4722-16	WC-1(5.5)	TCLP	TCLP VOA	8260D	11/05/24		11/11/24	11/05/24
P4722-18	WC-2(2)	TCLP	TCLP VOA	8260D	11/05/24		11/11/24	11/05/24
P4722-20	WC-3(5)	TCLP	TCLP VOA	8260D	11/05/24		11/11/24	11/05/24

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: P4722-02	WC-1(3.5) WC-1(3.5)	TCLP	2-Butanone	7.40	J	1.30	25.0	ug/L
			Total Voc :	7.40				
			Total Concentration:	7.40				
Client ID: P4722-07	WC-2(4) WC-2(4)	TCLP	2-Butanone	8.30	J	1.30	25.0	ug/L
			Total Voc :	8.30				
			Total Concentration:	8.30				
Client ID: P4722-12	WC-3(3) WC-3(3)	TCLP	2-Butanone	8.00	J	1.30	25.0	ug/L
			Total Voc :	8.00				
			Total Concentration:	8.00				
Client ID: P4722-16	WC-1(5.5) WC-1(5.5)	TCLP	2-Butanone	9.00	J	1.30	25.0	ug/L
			Total Voc :	9.00				
			Total Concentration:	9.00				
Client ID: P4722-18	WC-2(2) WC-2(2)	TCLP	2-Butanone	7.40	J	1.30	25.0	ug/L
			Total Voc :	7.40				
			Total Concentration:	7.40				
Client ID: P4722-20	WC-3(5) WC-3(5)	TCLP	2-Butanone	11.1	J	1.30	25.0	ug/L
			Total Voc :	11.1				
			Total Concentration:	11.1				



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(3.5)	SDG No.:	P4722
Lab Sample ID:	P4722-02	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084754.D	1		11/08/24 16:56	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	7.40	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	48.5		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	8.224			
540-36-3	1,4-Difluorobenzene	305000	9.1			
3114-55-4	Chlorobenzene-d5	285000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

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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

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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:	P4722-07			Matrix:	TCLP	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	TCLP VOA	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :	SW5035					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084770.D	1		11/11/24 14:30	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	8.30	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	48.0		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	159000	8.218			
540-36-3	1,4-Difluorobenzene	275000	9.1			
3114-55-4	Chlorobenzene-d5	255000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	116000	13.788			

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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(3)	SDG No.:	P4722
Lab Sample ID:	P4722-12	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084771.D	1		11/11/24 14:54	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	8.00	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	47.7		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	166000	8.224			
540-36-3	1,4-Difluorobenzene	286000	9.1			
3114-55-4	Chlorobenzene-d5	267000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.788			

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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-1(5.5)			SDG No.:	P4722	
Lab Sample ID:	P4722-16			Matrix:	TCLP	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	TCLP VOA	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :	SW5035					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084772.D	1		11/11/24 15:18	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	9.00	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	48.4		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.224			
540-36-3	1,4-Difluorobenzene	290000	9.1			
3114-55-4	Chlorobenzene-d5	269000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788			

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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:	P4722-18			Matrix:	TCLP	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	TCLP VOA	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :	SW5035					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084773.D	1		11/11/24 15:42	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	7.40	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	48.5		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	172000	8.218			
540-36-3	1,4-Difluorobenzene	301000	9.1			
3114-55-4	Chlorobenzene-d5	280000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.794			

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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:	P4722-20		Matrix:	TCLP	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :	SW5035				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084774.D	1		11/11/24 16:06	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	11.1	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	48.0		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	170000	8.218			
540-36-3	1,4-Difluorobenzene	300000	9.1			
3114-55-4	Chlorobenzene-d5	275000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.788			

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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
P4722-02	WC-1(3.5)	1,2-Dichloroethane-d4	50	49.8	99	74	125
		Dibromofluoromethane	50	49.1	98	75	124
		Toluene-d8	50	48.5	97	86	113
		4-Bromofluorobenzene	50	50.3	101	77	121
P4722-07	WC-2(4)	1,2-Dichloroethane-d4	50	47.9	96	74	125
		Dibromofluoromethane	50	48.3	97	75	124
		Toluene-d8	50	48.0	96	86	113
		4-Bromofluorobenzene	50	50.1	100	77	121
P4722-12	WC-3(3)	1,2-Dichloroethane-d4	50	47.9	96	74	125
		Dibromofluoromethane	50	49.0	98	75	124
		Toluene-d8	50	47.7	95	86	113
		4-Bromofluorobenzene	50	48.4	97	77	121
P4722-16	WC-1(5.5)	1,2-Dichloroethane-d4	50	49.4	99	74	125
		Dibromofluoromethane	50	48.6	97	75	124
		Toluene-d8	50	48.4	97	86	113
		4-Bromofluorobenzene	50	48.7	97	77	121
P4722-18	WC-2(2)	1,2-Dichloroethane-d4	50	48.7	97	74	125
		Dibromofluoromethane	50	49.4	99	75	124
		Toluene-d8	50	48.5	97	86	113
		4-Bromofluorobenzene	50	49.0	98	77	121
P4722-20	WC-3(5)	1,2-Dichloroethane-d4	50	49.3	99	74	125
		Dibromofluoromethane	50	48.2	96	75	124
		Toluene-d8	50	48.0	96	86	113
		4-Bromofluorobenzene	50	48.3	97	77	121

Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN1108WBL01	VN1108WBL01	1,2-Dichloroethane-d4	50	48.7	97	74	125
		Dibromofluoromethane	50	48.9	98	75	124
		Toluene-d8	50	45.6	91	86	113
		4-Bromofluorobenzene	50	45.9	92	77	121
VN1108WBS01	VN1108WBS01	1,2-Dichloroethane-d4	50	46.2	92	74	125
		Dibromofluoromethane	50	47.6	95	75	124
		Toluene-d8	50	47.1	94	86	113
		4-Bromofluorobenzene	50	50.6	101	77	121
VN1108WBSD0	VN1108WBSD01	1,2-Dichloroethane-d4	50	47.7	95	74	125
		Dibromofluoromethane	50	47.1	94	75	124
		Toluene-d8	50	47.3	95	86	113
		4-Bromofluorobenzene	50	46.8	94	77	121
VN1111WBL01	VN1111WBL01	1,2-Dichloroethane-d4	50	48.0	96	74	125
		Dibromofluoromethane	50	49.1	98	75	124
		Toluene-d8	50	45.9	92	86	113
		4-Bromofluorobenzene	50	48.1	96	77	121
VN1111WBS01	VN1111WBS01	1,2-Dichloroethane-d4	50	41.8	84	74	125
		Dibromofluoromethane	50	46.0	92	75	124
		Toluene-d8	50	44.8	90	86	113
		4-Bromofluorobenzene	50	46.7	93	77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low

Datafile : VN084740.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN1108WBS01	Vinyl chloride	20	16.2	ug/L	81			65	117	
	1,1-Dichloroethene	20	16.7	ug/L	84			74	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	19.0	ug/L	95			77	113	
	Chloroform	20	18.8	ug/L	94			79	113	
	Benzene	20	17.7	ug/L	89			82	109	
	1,2-Dichloroethane	20	19.1	ug/L	96			80	115	
	Trichloroethene	20	18.3	ug/L	92			77	113	
	Tetrachloroethene	20	18.3	ug/L	92			67	123	
	Chlorobenzene	20	17.6	ug/L	88			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low

Datafile : VN084741.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN1108WBSD01	Vinyl chloride	20	17.6	ug/L	88	8		65	117	20
	1,1-Dichloroethene	20	17.9	ug/L	90	7		74	110	20
	2-Butanone	100	110	ug/L	110	10		65	122	20
	Carbon Tetrachloride	20	19.1	ug/L	96	1		77	113	20
	Chloroform	20	19.2	ug/L	96	2		79	113	20
	Benzene	20	18.6	ug/L	93	4		82	109	20
	1,2-Dichloroethane	20	19.4	ug/L	97	1		80	115	20
	Trichloroethene	20	18.7	ug/L	94	2		77	113	20
	Tetrachloroethene	20	19.2	ug/L	96	4		67	123	20
	Chlorobenzene	20	18.3	ug/L	92	4		82	109	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low

Datafile : VN084766.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN1111WBS01	Vinyl chloride	20	15.4	ug/L	77			65	117	
	1,1-Dichloroethene	20	16.1	ug/L	81			74	110	
	2-Butanone	100	86.1	ug/L	86			65	122	
	Carbon Tetrachloride	20	19.0	ug/L	95			77	113	
	Chloroform	20	17.7	ug/L	89			79	113	
	Benzene	20	17.5	ug/L	88			82	109	
	1,2-Dichloroethane	20	18.3	ug/L	92			80	115	
	Trichloroethene	20	17.6	ug/L	88			77	113	
	Tetrachloroethene	20	18.4	ug/L	92			67	123	
	Chlorobenzene	20	17.8	ug/L	89			82	109	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1108WBL01

Lab Name: CHEMTECH

Contract: WALS01

Lab Code: CHEM Case No.: P4722

SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084739.D

Lab Sample ID: VN1108WBL01

Date Analyzed: 11/08/2024

Time Analyzed: 10:44

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1108WBS01	VN1108WBS01	VN084740.D	11/08/2024
VN1108WBSD01	VN1108WBSD01	VN084741.D	11/08/2024
WC-1 (3.5)	P4722-02	VN084754.D	11/08/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1111WBL01

Lab Name: CHEMTECH

Contract: WALS01

Lab Code: CHEM Case No.: P4722

SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084765.D

Lab Sample ID: VN1111WBL01

Date Analyzed: 11/11/2024

Time Analyzed: 12:30

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1111WBS01	VN1111WBS01	VN084766.D	11/11/2024
WC-2 (4)	P4722-07	VN084770.D	11/11/2024
WC-3 (3)	P4722-12	VN084771.D	11/11/2024
WC-1 (5.5)	P4722-16	VN084772.D	11/11/2024
WC-2 (2)	P4722-18	VN084773.D	11/11/2024
WC-3 (5)	P4722-20	VN084774.D	11/11/2024

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: VN084569.D BFB Injection Date: 10/30/2024
Instrument ID: MSVOA_N BFB Injection Time: 10:42
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (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
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

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: VN084736.D BFB Injection Date: 11/08/2024
Instrument ID: MSVOA_N BFB Injection Time: 08:18
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.2
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	78.5
175	5.0 - 9.0% of mass 174	6.6 (8.4) 1
176	95.0 - 101.0% of mass 174	77.7 (99) 1
177	5.0 - 9.0% of mass 176	4.8 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084737.D	11/08/2024	09:39
VN1108WBL01	VN1108WBL01	VN084739.D	11/08/2024	10:44
VN1108WBS01	VN1108WBS01	VN084740.D	11/08/2024	11:19
VN1108WBSD01	VN1108WBSD01	VN084741.D	11/08/2024	11:43
WC-1(3.5)	P4722-02	VN084754.D	11/08/2024	16:56

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: VN084762.D BFB Injection Date: 11/11/2024
Instrument ID: MSVOA_N BFB Injection Time: 10:21
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.1
75	30.0 - 60.0% of mass 95	47.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.8 (8) 1
176	95.0 - 101.0% of mass 174	71.4 (97.6) 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	VN084763.D	11/11/2024	10:54
VN1111WBL01	VN1111WBL01	VN084765.D	11/11/2024	12:30
VN1111WBS01	VN1111WBS01	VN084766.D	11/11/2024	12:54
WC-2 (4)	P4722-07	VN084770.D	11/11/2024	14:30
WC-3 (3)	P4722-12	VN084771.D	11/11/2024	14:54
WC-1 (5.5)	P4722-16	VN084772.D	11/11/2024	15:18
WC-2 (2)	P4722-18	VN084773.D	11/11/2024	15:42
WC-3 (5)	P4722-20	VN084774.D	11/11/2024	16:06

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: VN084737.D Date Analyzed: 11/08/2024
Instrument ID: MSVOA_N Time Analyzed: 09:39
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	183021	8.22	298323	9.10	261810	11.87
UPPER LIMIT	366042	8.718	596646	9.6	523620	12.365
LOWER LIMIT	91510.5	7.718	149162	8.6	130905	11.365
EPA SAMPLE NO.						
WC-1(3.5)	173136	8.22	304734	9.10	285280	11.87
VN1108WBL01	170398	8.22	297081	9.10	255691	11.87
VN1108WBS01	174962	8.22	291201	9.10	262615	11.87
VN1108WBSD01	163813	8.22	277196	9.09	246235	11.87

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01
Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722
Lab File ID: VN084737.D Date Analyzed: 11/08/2024
Instrument ID: MSVOA_N Time Analyzed: 09:39
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	135765	13.788				
UPPER LIMIT	271530	14.288				
LOWER LIMIT	67882.5	13.288				
EPA SAMPLE NO.						
WC-1(3.5)	132176	13.79				
VN1108WBL01	113797	13.79				
VN1108WBS01	135553	13.79				
VN1108WBSD01	120765	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01
Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722
Lab File ID: VN084763.D Date Analyzed: 11/11/2024
Instrument ID: MSVOA_N Time Analyzed: 10:54
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	166446	8.22	270648	9.10	238712	11.87
UPPER LIMIT	332892	8.718	541296	9.6	477424	12.365
LOWER LIMIT	83223	7.718	135324	8.6	119356	11.365
EPA SAMPLE NO.						
WC-2 (4)	158827	8.22	275321	9.10	255227	11.87
WC-3 (3)	166359	8.22	285540	9.10	266633	11.87
WC-1 (5.5)	166984	8.22	289915	9.10	269271	11.87
WC-2 (2)	171996	8.22	301059	9.10	280468	11.87
WC-3 (5)	169890	8.22	299832	9.10	275305	11.87
VN1111WBL01	167136	8.22	283115	9.10	253987	11.87
VN1111WBS01	167933	8.22	269161	9.10	238228	11.87

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01
 Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722
 Lab File ID: VN084763.D Date Analyzed: 11/11/2024
 Instrument ID: MSVOA_N Time Analyzed: 10:54
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	124434	13.788				
UPPER LIMIT	248868	14.288				
LOWER LIMIT	62217	13.288				
EPA SAMPLE NO.						
WC-2 (4)	116241	13.79				
WC-3 (3)	113376	13.79				
WC-1 (5.5)	115191	13.79				
WC-2 (2)	127677	13.79				
WC-3 (5)	126299	13.79				
VN1111WBL01	115446	13.79				
VN1111WBS01	123082	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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



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:	VN1108WBL01		SDG No.:	P4722
Lab Sample ID:	VN1108WBL01		Matrix:	TCLP
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084739.D	1		11/08/24 10:44	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	45.6		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		77 - 121	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	170000	8.218			
540-36-3	1,4-Difluorobenzene	297000	9.1			
3114-55-4	Chlorobenzene-d5	256000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	114000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VN1111WBL01		SDG No.:	P4722
Lab Sample ID:	VN1111WBL01		Matrix:	TCLP
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084765.D	1		11/11/24 12:30	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.0		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	45.9		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.224			
540-36-3	1,4-Difluorobenzene	283000	9.1			
3114-55-4	Chlorobenzene-d5	254000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	VN1108WBS01		SDG No.:	P4722
Lab Sample ID:	VN1108WBS01		Matrix:	TCLP
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084740.D	1		11/08/24 11:19	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.2		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.7		0.26	1.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	1.00	ug/L
67-66-3	Chloroform	18.8		0.26	1.00	ug/L
71-43-2	Benzene	17.7		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.1		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	18.3		0.25	1.00	ug/L
108-90-7	Chlorobenzene	17.6		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.2		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	47.1		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	8.218			
540-36-3	1,4-Difluorobenzene	291000	9.1			
3114-55-4	Chlorobenzene-d5	263000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	136000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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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:	VN1111WBS01		SDG No.:	P4722
Lab Sample ID:	VN1111WBS01		Matrix:	TCLP
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084766.D	1		11/11/24 12:54	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	15.4		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.1		0.26	1.00	ug/L
78-93-3	2-Butanone	86.1		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	1.00	ug/L
67-66-3	Chloroform	17.7		0.26	1.00	ug/L
71-43-2	Benzene	17.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.6		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.25	1.00	ug/L
108-90-7	Chlorobenzene	17.8		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.8		74 - 125	84%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	44.8		86 - 113	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		77 - 121	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	168000	8.224			
540-36-3	1,4-Difluorobenzene	269000	9.1			
3114-55-4	Chlorobenzene-d5	238000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.794			

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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:	VN1108WBSD01		SDG No.:	P4722
Lab Sample ID:	VN1108WBSD01		Matrix:	TCLP
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084741.D	1		11/08/24 11:43	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	17.6		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.26	1.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.1		0.25	1.00	ug/L
67-66-3	Chloroform	19.2		0.26	1.00	ug/L
71-43-2	Benzene	18.6		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.4		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.3		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	47.3		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.218			
540-36-3	1,4-Difluorobenzene	277000	9.094			
3114-55-4	Chlorobenzene-d5	246000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.788			

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CALIBRATION SUMMARY

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_N Calibration Date(s): 10/30/2024 10/30/2024
Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45
GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN084570.D		RRF050 = VN084571.D		RRF020 = VN084572.D			
		RRF010 = VN084573.D		RRF005 = VN084574.D		RRF001 = VN084575.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4	
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8	
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1	
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4	
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6	
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4	
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1	
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7	
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3	
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9	
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2	
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1	
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3	
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3	

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

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

Instrument ID: MSVOA_N Calibration Date/Time: 11/08/2024 09:39

Lab File ID: VN084737.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.618	0.547		-11.49	20
1,1-Dichloroethene	0.569	0.508		-10.72	20
2-Butanone	0.337	0.361		7.12	20
Carbon Tetrachloride	0.525	0.529		0.76	20
Chloroform	1.121	1.095		-2.32	20
Benzene	1.507	1.426		-5.38	20
1,2-Dichloroethane	0.488	0.484		-0.82	20
Trichloroethene	0.348	0.335		-3.74	20
Tetrachloroethene	0.333	0.341		2.4	20
Chlorobenzene	1.119	1.084	0.3	-3.13	20
1,2-Dichloroethane-d4	0.722	0.672		-6.93	20
Dibromofluoromethane	0.338	0.337		-0.3	20
Toluene-d8	1.247	1.241		-0.48	20
4-Bromofluorobenzene	0.466	0.466		0	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_N Calibration Date/Time: 11/11/2024 10:54

Lab File ID: VN084763.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.618	0.542		-12.3	20
1,1-Dichloroethene	0.569	0.521		-8.44	20
2-Butanone	0.337	0.376		11.57	20
Carbon Tetrachloride	0.525	0.542		3.24	20
Chloroform	1.121	1.129		0.71	20
Benzene	1.507	1.478		-1.92	20
1,2-Dichloroethane	0.488	0.503		3.07	20
Trichloroethene	0.348	0.337		-3.16	20
Tetrachloroethene	0.333	0.338		1.5	20
Chlorobenzene	1.119	1.110	0.3	-0.8	20
1,2-Dichloroethane-d4	0.722	0.679		-5.96	20
Dibromofluoromethane	0.338	0.342		1.18	20
Toluene-d8	1.247	1.214		-2.65	20
4-Bromofluorobenzene	0.466	0.484		3.86	20

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