

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company		Date Collected:	
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR		Date Received:	
Client Sample ID:	VN0123MBS01		SDG No.:	O1233
Lab Sample ID:	VN0123MBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN076358.D	1		01/23/23 11:39	VN012323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800		86.0	500	ug/Kg
74-87-3	Chloromethane	1800		110	500	ug/Kg
75-01-4	Vinyl Chloride	2000		91.0	500	ug/Kg
74-83-9	Bromomethane	1900		120	500	ug/Kg
75-00-3	Chloroethane	2000		89.0	500	ug/Kg
75-69-4	Trichlorofluoromethane	1700		97.0	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1800		72.0	500	ug/Kg
75-35-4	1,1-Dichloroethene	1700		86.0	500	ug/Kg
67-64-1	Acetone	10700		1200	2500	ug/Kg
75-15-0	Carbon Disulfide	1700		75.0	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1800		93.0	500	ug/Kg
79-20-9	Methyl Acetate	1800		130	500	ug/Kg
75-09-2	Methylene Chloride	1700		600	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1700		68.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1800		70.0	500	ug/Kg
110-82-7	Cyclohexane	1700		84.0	500	ug/Kg
78-93-3	2-Butanone	9300		730	2500	ug/Kg
56-23-5	Carbon Tetrachloride	1900		79.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1700		68.0	500	ug/Kg
74-97-5	Bromochloromethane	2100		81.0	500	ug/Kg
67-66-3	Chloroform	1800		67.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1800		75.0	500	ug/Kg
108-87-2	Methylcyclohexane	1700		80.0	500	ug/Kg
71-43-2	Benzene	1800		66.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	1800		84.0	500	ug/Kg
79-01-6	Trichloroethene	1700		73.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1800		65.0	500	ug/Kg
75-27-4	Bromodichloromethane	1900		70.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9500		460	2500	ug/Kg
108-88-3	Toluene	1700		63.0	500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1900		74.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1900		71.0	500	ug/Kg

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79-00-5	1,1,2-Trichloroethane	1800		86.0	500	ug/Kg
591-78-6	2-Hexanone	9400		470	2500	ug/Kg
124-48-1	Dibromochloromethane	2000		75.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	1800		75.0	500	ug/Kg
127-18-4	Tetrachloroethene	1700		76.0	500	ug/Kg
108-90-7	Chlorobenzene	1800		65.0	500	ug/Kg
100-41-4	Ethyl Benzene	1900		70.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3700		150	1000	ug/Kg
95-47-6	o-Xylene	1800		79.0	500	ug/Kg
100-42-5	Styrene	1900		79.0	500	ug/Kg
75-25-2	Bromoform	2100		81.0	500	ug/Kg
98-82-8	Isopropylbenzene	2000		72.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1900		110	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		67.0	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1800		63.0	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1700		64.0	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1800		120	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		94.0	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1700		100	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		50 - 163	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		54 - 147	103%	SPK: 50
2037-26-5	Toluene-d8	50.9		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		30 - 143	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	382000	8.23			
540-36-3	1,4-Difluorobenzene	610000	9.106			
3114-55-4	Chlorobenzene-d5	527000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	238000	13.794			

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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