

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P38CDL	SDG No.:	O1233
Lab Sample ID:	O1233-11DL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.9
Sample Wt/Vol:	5.03 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
VN076367.D	10		01/23/23 15:25	VN012323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1000	UD	1000	5800	ug/Kg
74-87-3	Chloromethane	1200	UD	1200	5800	ug/Kg
75-01-4	Vinyl Chloride	1100	UD	1100	5800	ug/Kg
74-83-9	Bromomethane	1300	UD	1300	5800	ug/Kg
75-00-3	Chloroethane	1000	UD	1000	5800	ug/Kg
75-69-4	Trichlorofluoromethane	1100	UD	1100	5800	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	830	UD	830	5800	ug/Kg
75-35-4	1,1-Dichloroethene	1000	UD	1000	5800	ug/Kg
67-64-1	Acetone	14100	UD	14100	28900	ug/Kg
75-15-0	Carbon Disulfide	870	UD	870	5800	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1100	UD	1100	5800	ug/Kg
79-20-9	Methyl Acetate	1500	UD	1500	5800	ug/Kg
75-09-2	Methylene Chloride	6900	UD	6900	11600	ug/Kg
156-60-5	trans-1,2-Dichloroethene	790	UD	790	5800	ug/Kg
75-34-3	1,1-Dichloroethane	810	UD	810	5800	ug/Kg
110-82-7	Cyclohexane	6300	D	970	5800	ug/Kg
78-93-3	2-Butanone	8400	UD	8400	28900	ug/Kg
56-23-5	Carbon Tetrachloride	910	UD	910	5800	ug/Kg
156-59-2	cis-1,2-Dichloroethene	790	UD	790	5800	ug/Kg
74-97-5	Bromochloromethane	940	UD	940	5800	ug/Kg
67-66-3	Chloroform	780	UD	780	5800	ug/Kg
71-55-6	1,1,1-Trichloroethane	870	UD	870	5800	ug/Kg
108-87-2	Methylcyclohexane	33800	D	930	5800	ug/Kg
71-43-2	Benzene	760	UD	760	5800	ug/Kg
107-06-2	1,2-Dichloroethane	970	UD	970	5800	ug/Kg
79-01-6	Trichloroethene	840	UD	840	5800	ug/Kg
78-87-5	1,2-Dichloropropane	750	UD	750	5800	ug/Kg
75-27-4	Bromodichloromethane	810	UD	810	5800	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5300	UD	5300	28900	ug/Kg
108-88-3	Toluene	730	UD	730	5800	ug/Kg
10061-02-6	t-1,3-Dichloropropene	860	UD	860	5800	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	820	UD	820	5800	ug/Kg

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P38CDL	SDG No.:	O1233
Lab Sample ID:	O1233-11DL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.9
Sample Wt/Vol:	5.03 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
VN076367.D	10		01/23/23 15:25	VN012323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1000	UD	1000	5800	ug/Kg
591-78-6	2-Hexanone	5400	UD	5400	28900	ug/Kg
124-48-1	Dibromochloromethane	870	UD	870	5800	ug/Kg
106-93-4	1,2-Dibromoethane	870	UD	870	5800	ug/Kg
127-18-4	Tetrachloroethene	880	UD	880	5800	ug/Kg
108-90-7	Chlorobenzene	750	UD	750	5800	ug/Kg
100-41-4	Ethyl Benzene	1000	JD	810	5800	ug/Kg
179601-23-1	m/p-Xylenes	2800	JD	1700	11600	ug/Kg
95-47-6	o-Xylene	910	UD	910	5800	ug/Kg
100-42-5	Styrene	910	UD	910	5800	ug/Kg
75-25-2	Bromoform	940	UD	940	5800	ug/Kg
98-82-8	Isopropylbenzene	2100	JD	830	5800	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1300	UD	1300	5800	ug/Kg
541-73-1	1,3-Dichlorobenzene	780	UD	780	5800	ug/Kg
106-46-7	1,4-Dichlorobenzene	730	UD	730	5800	ug/Kg
95-50-1	1,2-Dichlorobenzene	740	UD	740	5800	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1400	UD	1400	5800	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100	UD	1100	5800	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1200	UD	1200	5800	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		50 - 163	97%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		54 - 147	94%	SPK: 50
2037-26-5	Toluene-d8	52.4		58 - 134	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.2		30 - 143	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	385000	8.23			
540-36-3	1,4-Difluorobenzene	613000	9.106			
3114-55-4	Chlorobenzene-d5	549000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	255000	13.794			

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P38CDL	SDG No.:	O1233
Lab Sample ID:	O1233-11DL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.9
Sample Wt/Vol:	5.03 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
VN076367.D	10		01/23/23 15:25	VN012323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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