

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:	VN0123MBL01		SDG No.:	O1233
Lab Sample ID:	VN0123MBL01		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
VN076356.D	1		01/23/23 10:51	VN012323

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

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:	VN0123MBL01	SDG No.:	O1233
Lab Sample ID:	VN0123MBL01	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
VN076356.D	1		01/23/23 10:51	VN012323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	86.0	U	86.0	500	ug/Kg
591-78-6	2-Hexanone	470	U	470	2500	ug/Kg
124-48-1	Dibromochloromethane	75.0	U	75.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	75.0	U	75.0	500	ug/Kg
127-18-4	Tetrachloroethene	76.0	U	76.0	500	ug/Kg
108-90-7	Chlorobenzene	65.0	U	65.0	500	ug/Kg
100-41-4	Ethyl Benzene	70.0	U	70.0	500	ug/Kg
179601-23-1	m/p-Xylenes	150	U	150	1000	ug/Kg
95-47-6	o-Xylene	79.0	U	79.0	500	ug/Kg
100-42-5	Styrene	79.0	U	79.0	500	ug/Kg
75-25-2	Bromoform	81.0	U	81.0	500	ug/Kg
98-82-8	Isopropylbenzene	72.0	U	72.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	110	U	110	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	67.0	U	67.0	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	63.0	U	63.0	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	64.0	U	64.0	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	120	U	120	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94.0	U	94.0	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	100	U	100	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		50 - 163	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		54 - 147	99%	SPK: 50
2037-26-5	Toluene-d8	48.9		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		30 - 143	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304000	8.23			
540-36-3	1,4-Difluorobenzene	491000	9.106			
3114-55-4	Chlorobenzene-d5	404000	11.87			
3855-82-1	1,4-Dichlorobenzene-d4	159000	13.794			

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:	VN0123MBL01	SDG No.:	O1233
Lab Sample ID:	VN0123MBL01	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
VN076356.D	1		01/23/23 10:51	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