

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-P38C	SDG No.:	O1233
Lab Sample ID:	O1233-11	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
VN076364.D	1		01/23/23 14:12	VN012323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	99.5	U	99.5	580	ug/Kg
74-87-3	Chloromethane	120	U	120	580	ug/Kg
75-01-4	Vinyl Chloride	110	U	110	580	ug/Kg
74-83-9	Bromomethane	130	U	130	580	ug/Kg
75-00-3	Chloroethane	100	U	100	580	ug/Kg
75-69-4	Trichlorofluoromethane	110	U	110	580	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	83.3	U	83.3	580	ug/Kg
75-35-4	1,1-Dichloroethene	99.5	U	99.5	580	ug/Kg
67-64-1	Acetone	1400	U	1400	2900	ug/Kg
75-15-0	Carbon Disulfide	86.8	U	86.8	580	ug/Kg
1634-04-4	Methyl tert-butyl Ether	110	U	110	580	ug/Kg
79-20-9	Methyl Acetate	150	U	150	580	ug/Kg
75-09-2	Methylene Chloride	690	U	690	1200	ug/Kg
156-60-5	trans-1,2-Dichloroethene	78.7	U	78.7	580	ug/Kg
75-34-3	1,1-Dichloroethane	81.0	U	81.0	580	ug/Kg
110-82-7	Cyclohexane	4600		97.2	580	ug/Kg
78-93-3	2-Butanone	840	U	840	2900	ug/Kg
56-23-5	Carbon Tetrachloride	91.4	U	91.4	580	ug/Kg
156-59-2	cis-1,2-Dichloroethene	78.7	U	78.7	580	ug/Kg
74-97-5	Bromochloromethane	93.7	U	93.7	580	ug/Kg
67-66-3	Chloroform	77.5	U	77.5	580	ug/Kg
71-55-6	1,1,1-Trichloroethane	86.8	U	86.8	580	ug/Kg
108-87-2	Methylcyclohexane	31500	E	92.6	580	ug/Kg
71-43-2	Benzene	76.4	U	76.4	580	ug/Kg
107-06-2	1,2-Dichloroethane	97.2	U	97.2	580	ug/Kg
79-01-6	Trichloroethene	84.5	U	84.5	580	ug/Kg
78-87-5	1,2-Dichloropropane	75.2	U	75.2	580	ug/Kg
75-27-4	Bromodichloromethane	81.0	U	81.0	580	ug/Kg
108-10-1	4-Methyl-2-Pentanone	530	U	530	2900	ug/Kg
108-88-3	Toluene	72.9	U	72.9	580	ug/Kg
10061-02-6	t-1,3-Dichloropropene	85.6	U	85.6	580	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	82.2	U	82.2	580	ug/Kg

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79-00-5	1,1,2-Trichloroethane	99.5	U	99.5	580	ug/Kg
591-78-6	2-Hexanone	540	U	540	2900	ug/Kg
124-48-1	Dibromochloromethane	86.8	U	86.8	580	ug/Kg
106-93-4	1,2-Dibromoethane	86.8	U	86.8	580	ug/Kg
127-18-4	Tetrachloroethene	87.9	U	87.9	580	ug/Kg
108-90-7	Chlorobenzene	75.2	U	75.2	580	ug/Kg
100-41-4	Ethyl Benzene	860		81.0	580	ug/Kg
179601-23-1	m/p-Xylenes	2400		170	1200	ug/Kg
95-47-6	o-Xylene	320	J	91.4	580	ug/Kg
100-42-5	Styrene	91.4	U	91.4	580	ug/Kg
75-25-2	Bromoform	93.7	U	93.7	580	ug/Kg
98-82-8	Isopropylbenzene	1500		83.3	580	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	130	U	130	580	ug/Kg
541-73-1	1,3-Dichlorobenzene	77.5	U	77.5	580	ug/Kg
106-46-7	1,4-Dichlorobenzene	72.9	U	72.9	580	ug/Kg
95-50-1	1,2-Dichlorobenzene	74.1	U	74.1	580	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	140	U	140	580	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	580	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	120	U	120	580	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		50 - 163	96%	SPK: 50
1868-53-7	Dibromofluoromethane	45.9		54 - 147	92%	SPK: 50
2037-26-5	Toluene-d8	65.5		58 - 134	131%	SPK: 50
460-00-4	4-Bromofluorobenzene	91.1	*	30 - 143	182%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	380000	8.224			
540-36-3	1,4-Difluorobenzene	594000	9.1			
3114-55-4	Chlorobenzene-d5	545000	11.871			
3855-82-1	1,4-Dichlorobenzene-d4	319000	13.794			
TENTATIVE IDENTIFIED COMPOUNDS						
000142-82-5	Heptane	22000	J		8.96	ug/Kg
000592-27-8	Heptane, 2-methyl-	38200	J		10.2	ug/Kg
000589-81-1	Heptane, 3-methyl-	22900	J		10.3	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000111-65-9	Octane	54700	J		10.7	ug/Kg
003221-61-2	Octane, 2-methyl-	49000	J		11.6	ug/Kg
002216-33-3	Octane, 3-methyl-	30700	J		11.7	ug/Kg
005911-04-6	Nonane, 3-methyl-	28400	J		12.5	ug/Kg
	unknown12.600	47300	J		12.6	ug/Kg
017301-94-9	Nonane, 4-methyl-	27300	J		12.8	ug/Kg
103-65-1	n-propylbenzene	3300	J		13.0	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	4000	J		13.2	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	7700	J		13.5	ug/Kg
135-98-8	sec-Butylbenzene	1300	J		13.6	ug/Kg
99-87-6	p-Isopropyltoluene	2600	J		13.7	ug/Kg
104-51-8	n-Butylbenzene	3700	J		14.1	ug/Kg
000824-90-8	1-Phenyl-1-butene	31200	J		15.0	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