

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-P37B	SDG No.:	O1233
Lab Sample ID:	O1233-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.5
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY012315.D	1		01/23/23 15:48	VY012323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	6.00	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	6.00	ug/Kg
75-01-4	Vinyl Chloride	1.10	U	1.10	6.00	ug/Kg
74-83-9	Bromomethane	1.40	U	1.40	6.00	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	6.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	6.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	6.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	6.00	ug/Kg
67-64-1	Acetone	20.6	J	14.6	29.8	ug/Kg
75-15-0	Carbon Disulfide	0.89	U	0.89	6.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.10	U	1.10	6.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	6.00	ug/Kg
75-09-2	Methylene Chloride	7.10	U	7.10	11.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.81	U	0.81	6.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.83	U	0.83	6.00	ug/Kg
110-82-7	Cyclohexane	1.00	U	1.00	6.00	ug/Kg
78-93-3	2-Butanone	8.70	U	8.70	29.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	6.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.81	U	0.81	6.00	ug/Kg
74-97-5	Bromochloromethane	0.97	U	0.97	6.00	ug/Kg
67-66-3	Chloroform	0.80	U	0.80	6.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.89	U	0.89	6.00	ug/Kg
108-87-2	Methylcyclohexane	0.95	U	0.95	6.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	6.00	ug/Kg
107-06-2	1,2-Dichloroethane	1.00	U	1.00	6.00	ug/Kg
79-01-6	Trichloroethene	0.87	U	0.87	6.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.78	U	0.78	6.00	ug/Kg
75-27-4	Bromodichloromethane	0.83	U	0.83	6.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.50	U	5.50	29.8	ug/Kg
108-88-3	Toluene	0.75	U	0.75	6.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.88	U	0.88	6.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.85	U	0.85	6.00	ug/Kg

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79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	6.00	ug/Kg
591-78-6	2-Hexanone	5.60	U	5.60	29.8	ug/Kg
124-48-1	Dibromochloromethane	0.89	U	0.89	6.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.89	U	0.89	6.00	ug/Kg
127-18-4	Tetrachloroethene	0.91	U	0.91	6.00	ug/Kg
108-90-7	Chlorobenzene	0.78	U	0.78	6.00	ug/Kg
100-41-4	Ethyl Benzene	0.83	U	0.83	6.00	ug/Kg
179601-23-1	m/p-Xylenes	1.80	U	1.80	11.9	ug/Kg
95-47-6	o-Xylene	0.94	U	0.94	6.00	ug/Kg
100-42-5	Styrene	0.94	U	0.94	6.00	ug/Kg
75-25-2	Bromoform	0.97	U	0.97	6.00	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	6.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	6.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.80	U	0.80	6.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.75	U	0.75	6.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.76	U	0.76	6.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	6.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	6.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.20	U	1.20	6.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	83.0	*	50 - 163	166%	SPK: 50
1868-53-7	Dibromofluoromethane	60.1		54 - 147	120%	SPK: 50
2037-26-5	Toluene-d8	66.9		58 - 134	134%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		30 - 143	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	35900	7.789			
540-36-3	1,4-Difluorobenzene	57300	8.691			
3114-55-4	Chlorobenzene-d5	56000	11.489			
3855-82-1	1,4-Dichlorobenzene-d4	24400	13.428			
TENTATIVE IDENTIFIED COMPOUNDS						
004403-13-8	Ethylene glycol, TMS derivative	40.0	J		6.97	ug/Kg
	unknown10.947	8.50	J		10.9	ug/Kg

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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