

Report of Analysis

Client:	PSEG	Date Collected:	04/24/25
Project:	PSEG Keasby	Date Received:	04/25/25
Client Sample ID:	MH-H-VOC	SDG No.:	Q1892
Lab Sample ID:	Q1892-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.3
Sample Wt/Vol:	5.95	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022054.D	1		04/29/25 14:19	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0047	U	0.0011	0.0047	mg/Kg
74-87-3	Chloromethane	0.0047	U	0.0011	0.0047	mg/Kg
75-01-4	Vinyl Chloride	0.0047	U	0.00074	0.0047	mg/Kg
74-83-9	Bromomethane	0.0047	U	0.0010	0.0047	mg/Kg
75-00-3	Chloroethane	0.0047	U	0.0012	0.0047	mg/Kg
75-69-4	Trichlorofluoromethane	0.0047	U	0.0011	0.0047	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0047	U	0.0010	0.0047	mg/Kg
75-35-4	1,1-Dichloroethene	0.0047	U	0.00094	0.0047	mg/Kg
67-64-1	Acetone	0.024	U	0.0045	0.024	mg/Kg
75-15-0	Carbon Disulfide	0.0047	U	0.0010	0.0047	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0047	U	0.00069	0.0047	mg/Kg
79-20-9	Methyl Acetate	0.0047	U	0.0014	0.0047	mg/Kg
75-09-2	Methylene Chloride	0.0094	U	0.0033	0.0094	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0047	U	0.00081	0.0047	mg/Kg
75-34-3	1,1-Dichloroethane	0.0047	U	0.00075	0.0047	mg/Kg
110-82-7	Cyclohexane	0.0047	U	0.00074	0.0047	mg/Kg
78-93-3	2-Butanone	0.024	U	0.0062	0.024	mg/Kg
56-23-5	Carbon Tetrachloride	0.0047	U	0.00091	0.0047	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0047	U	0.00071	0.0047	mg/Kg
74-97-5	Bromochloromethane	0.0047	U	0.0011	0.0047	mg/Kg
67-66-3	Chloroform	0.0047	U	0.00079	0.0047	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0047	U	0.00088	0.0047	mg/Kg
108-87-2	Methylcyclohexane	0.0047	U	0.00086	0.0047	mg/Kg
71-43-2	Benzene	0.0047	U	0.00074	0.0047	mg/Kg
107-06-2	1,2-Dichloroethane	0.0047	U	0.00074	0.0047	mg/Kg
79-01-6	Trichloroethene	0.0047	U	0.00076	0.0047	mg/Kg
78-87-5	1,2-Dichloropropane	0.0047	U	0.00086	0.0047	mg/Kg
75-27-4	Bromodichloromethane	0.0047	U	0.00073	0.0047	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.024	U	0.0034	0.024	mg/Kg
108-88-3	Toluene	0.0047	U	0.00073	0.0047	mg/Kg

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Sample Wt/Vol:	5.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
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10061-02-6	t-1,3-Dichloropropene	0.0047	U	0.00061	0.0047	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0047	U	0.00058	0.0047	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0047	U	0.00087	0.0047	mg/Kg
591-78-6	2-Hexanone	0.024	U	0.0035	0.024	mg/Kg
124-48-1	Dibromochloromethane	0.0047	U	0.00082	0.0047	mg/Kg
106-93-4	1,2-Dibromoethane	0.0047	U	0.00083	0.0047	mg/Kg
127-18-4	Tetrachloroethene	0.0047	U	0.00099	0.0047	mg/Kg
108-90-7	Chlorobenzene	0.0047	U	0.00086	0.0047	mg/Kg
100-41-4	Ethyl Benzene	0.0047	U	0.00063	0.0047	mg/Kg
179601-23-1	m/p-Xylenes	0.0094	U	0.0012	0.0094	mg/Kg
95-47-6	o-Xylene	0.0047	U	0.00077	0.0047	mg/Kg
100-42-5	Styrene	0.0047	U	0.00067	0.0047	mg/Kg
75-25-2	Bromoform	0.0047	U	0.00081	0.0047	mg/Kg
98-82-8	Isopropylbenzene	0.0047	U	0.00073	0.0047	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0047	U	0.0011	0.0047	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0047	U	0.0016	0.0047	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0047	U	0.0015	0.0047	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0047	U	0.0014	0.0047	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0047	U	0.0017	0.0047	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0047	U	0.0028	0.0047	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0047	U	0.0030	0.0047	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	47.7		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.8		38 - 136	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	314000	7.707			
540-36-3	1,4-Difluorobenzene	597000	8.615			
3114-55-4	Chlorobenzene-d5	526000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	198000	13.346			

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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