284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	05/27/25
Project:	OR 646 Closter & Demarest	Date Received:	05/27/25
Client Sample ID:	OR-646-VOC-52	SDG No.:	Q2136
Lab Sample ID:	Q2136-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.6
Sample Wt/Vol:	5.39 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
VY022447.D	1		05/28/25 13:28	VY052825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0058	U	0.0013	0.0058	mg/Kg
74-87-3	Chloromethane	0.0058	U	0.0013	0.0058	mg/Kg
75-01-4	Vinyl Chloride	0.0058	U	0.00091	0.0058	mg/Kg
74-83-9	Bromomethane	0.0058	U	0.0012	0.0058	mg/Kg
75-00-3	Chloroethane	0.0058	U	0.0015	0.0058	mg/Kg
75-69-4	Trichlorofluoromethane	0.0058	U	0.0014	0.0058	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0058	U	0.0012	0.0058	mg/Kg
75-35-4	1,1-Dichloroethene	0.0058	U	0.0012	0.0058	mg/Kg
67-64-1	Acetone	0.029	U	0.0055	0.029	mg/Kg
75-15-0	Carbon Disulfide	0.0058	U	0.0012	0.0058	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0058	U	0.00084	0.0058	mg/Kg
79-20-9	Methyl Acetate	0.0058	U	0.0018	0.0058	mg/Kg
75-09-2	Methylene Chloride	0.012	U	0.0041	0.012	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0058	U	0.00099	0.0058	mg/Kg
75-34-3	1,1-Dichloroethane	0.0058	U	0.00092	0.0058	mg/Kg
110-82-7	Cyclohexane	0.0058	U	0.00091	0.0058	mg/Kg
78-93-3	2-Butanone	0.029	U	0.0075	0.029	mg/Kg
56-23-5	Carbon Tetrachloride	0.0058	U	0.0011	0.0058	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0058	U	0.00086	0.0058	mg/Kg
74-97-5	Bromochloromethane	0.0058	U	0.0013	0.0058	mg/Kg
67-66-3	Chloroform	0.0058	U	0.00097	0.0058	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0058	U	0.0011	0.0058	mg/Kg
108-87-2	Methylcyclohexane	0.036		0.0010	0.0058	mg/Kg
71-43-2	Benzene	0.0048	J	0.00091	0.0058	mg/Kg
107-06-2	1,2-Dichloroethane	0.0058	U	0.00091	0.0058	mg/Kg
79-01-6	Trichloroethene	0.0058	U	0.00093	0.0058	mg/Kg
78-87-5	1,2-Dichloropropane	0.0058	U	0.0010	0.0058	mg/Kg
75-27-4	Bromodichloromethane	0.0058	U	0.00090	0.0058	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.029	U	0.0041	0.029	mg/Kg
108-88-3	Toluene	0.0044	J	0.00090	0.0058	mg/Kg

Alliance TECHNICAL GROUP
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File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022447.D	1		05/28/25 13:28	VY052825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.0058	U	0.00075	0.0058	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0058	U	0.00071	0.0058	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0058	U	0.0011	0.0058	mg/Kg
591-78-6	2-Hexanone	0.029	U	0.0042	0.029	mg/Kg
124-48-1	Dibromochloromethane	0.0058	U	0.0010	0.0058	mg/Kg
106-93-4	1,2-Dibromoethane	0.0058	U	0.0010	0.0058	mg/Kg
127-18-4	Tetrachloroethene	0.0058	U	0.0012	0.0058	mg/Kg
108-90-7	Chlorobenzene	0.0058	U	0.0010	0.0058	mg/Kg
100-41-4	Ethyl Benzene	0.11		0.00077	0.0058	mg/Kg
179601-23-1	m/p-Xylenes	0.065		0.0014	0.012	mg/Kg
95-47-6	o-Xylene	0.0046	J	0.00094	0.0058	mg/Kg
100-42-5	Styrene	0.0058	U	0.00082	0.0058	mg/Kg
75-25-2	Bromoform	0.0058	U	0.00099	0.0058	mg/Kg
98-82-8	Isopropylbenzene	0.018		0.00090	0.0058	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0058	U	0.0014	0.0058	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0058	U	0.0020	0.0058	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0058	U	0.0018	0.0058	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0058	U	0.0017	0.0058	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0058	U	0.0021	0.0058	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0058	U	0.0034	0.0058	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0058	U	0.0037	0.0058	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.8		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.0		38 - 136	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	311000	7.713			
540-36-3	1,4-Difluorobenzene	561000	8.615			
3114-55-4	Chlorobenzene-d5	456000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	164000	13.352			
TENTATIVE IDENTIFIED COMPOUNDS						

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000078-78-4	Butane, 2-methyl-	110	J		2.84	ug/Kg
000107-83-5	Pentane, 2-methyl-	65.1	J		4.67	ug/Kg
000540-84-1	Pentane, 2,2,4-trimethyl-	84.6	J		8.25	ug/Kg
103-65-1	n-propylbenzene	78.6	J		12.6	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	11.4	J		12.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	36.7	J		13.0	ug/Kg
135-98-8	sec-Butylbenzene	7.30	J		13.2	ug/Kg
99-87-6	p-Isopropyltoluene	1.30	J		13.3	ug/Kg
000105-05-5	Benzene, 1,4-diethyl-	51.5	J		13.5	ug/Kg
1000277-56-1	Benzaldehyde, 4-(1-phenyl-2-propen	100	J		13.5	ug/Kg
104-51-8	n-Butylbenzene	24.2	J		13.6	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	140	J		13.9	ug/Kg
000767-58-8	Indan, 1-methyl-	56.2	J		14.0	ug/Kg
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	77.5	J		14.2	ug/Kg
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	54.2	J		14.5	ug/Kg
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	100	J		14.6	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