

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-911-K1-SO-0-0.5-081924-FDRE	SDG No.:	P3671
Lab Sample ID:	P3671-05RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	35
Sample Wt/Vol:	5.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group5
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019225.D	1		08/22/24 17:09	VY082224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.50	U	4.50	13.6	ug/Kg
74-87-3	Chloromethane	3.10	U	3.10	13.6	ug/Kg
75-01-4	Vinyl Chloride	2.10	U	2.10	13.6	ug/Kg
74-83-9	Bromomethane	2.80	U	2.80	13.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.90	U	2.90	13.6	ug/Kg
67-64-1	Acetone	16.9	U	16.9	67.8	ug/Kg
75-15-0	Carbon Disulfide	3.50	U	3.50	13.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	1.80	13.6	ug/Kg
75-09-2	Methylene Chloride	9.20	U	9.20	27.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.30	U	2.30	13.6	ug/Kg
110-82-7	Cyclohexane	1.90	U	1.90	13.6	ug/Kg
78-93-3	2-Butanone	15.4	U	15.4	67.8	ug/Kg
56-23-5	Carbon Tetrachloride	2.40	U	2.40	13.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.70	U	1.70	13.6	ug/Kg
67-66-3	Chloroform	1.80	U	1.80	13.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.10	U	2.10	13.6	ug/Kg
108-87-2	Methylcyclohexane	2.40	U	2.40	13.6	ug/Kg
71-43-2	Benzene	2.00	U	2.00	13.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.70	U	1.70	13.6	ug/Kg
79-01-6	Trichloroethene	2.00	U	2.00	13.6	ug/Kg
75-27-4	Bromodichloromethane	1.50	U	1.50	13.6	ug/Kg
108-88-3	Toluene	1.80	U	1.80	13.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.30	U	2.30	13.6	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	1.80	13.6	ug/Kg
127-18-4	Tetrachloroethene	2.40	U	2.40	13.6	ug/Kg
108-90-7	Chlorobenzene	2.00	U	2.00	13.6	ug/Kg
100-41-4	Ethyl Benzene	1.70	U	1.70	13.6	ug/Kg
179601-23-1	m/p-Xylenes	3.70	U	3.70	27.1	ug/Kg
1330-20-7	Total Xylenes	5.60	U	5.60	40.7	ug/Kg
95-47-6	o-Xylene	1.90	U	1.90	13.6	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
98-82-8	Isopropylbenzene	1.80	U	1.80	13.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.20	U	2.20	13.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	13.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (50) - 130 (163)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	45.2		70 (58) - 130 (134)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.6	*	70 (29) - 130 (146)	57%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	91600	7.701			
540-36-3	1,4-Difluorobenzene	155000	8.609			
3114-55-4	Chlorobenzene-d5	111000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	28500	13.346			

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