

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	IA-B2-2-03312025	SDG No.:	Q1726
Lab Sample ID:	Q1726-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042368.D	1		04/17/25 21:12	VL041725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.47	2.32	J	1.04	2.47	ug/m3
64-17-5	Ethanol	230	433	EQ	0.60	0.94	ug/m3
74-87-3	Chloromethane	1.40	2.89		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.27	0.80	J	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.25	1.40	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
593-60-2	Bromoethene	0.12	0.52	U	0.52	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.74	2.24		0.58	1.52	ug/m3
142-82-5	Heptane	3.00	12.3		0.45	2.05	ug/m3
67-63-0	Isopropyl Alcohol	43.7	107	E	0.17	1.23	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	180	428	E	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	5.40	18.8		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.97	3.34		0.76	1.72	ug/m3
78-93-3	2-Butanone	1.50	4.42		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.090	0.57		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.13	0.63	J	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	8.40	39.2		0.47	2.34	ug/m3
71-43-2	Benzene	0.90	2.88		0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.16	0.65	J	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	18.7	70.5	E	0.41	1.88	ug/m3

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10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.26	1.76		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	3.60	15.6		0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	12.6	54.7		0.91	4.34	ug/m3
95-47-6	o-Xylene	5.00	21.7		0.52	2.17	ug/m3
100-42-5	Styrene	0.40	1.70	J	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.52	2.69		0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	2.10	10.3		0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5.80	28.5		0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.10	0.60	J	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.42	2.20		0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	1.80	8.85		0.59	2.46	ug/m3
110-54-3	Hexane	4.30	15.2		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3

SURROGATES

460-00-4	1-Bromo-4-Fluorobenzene	9.90		70 (65) - 130 (135)	99%	SPK: 10
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INTERNAL STANDARDS

74-97-5	Bromochloromethane	119000	2.787
540-36-3	1,4-Difluorobenzene	333000	3.962
3114-55-4	Chlorobenzene-d5	297000	8.882

TENTATIVE IDENTIFIED COMPOUNDS

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75-45-6	Chlorodifluoromethane	0.27		J		1.47	ppbv
115-07-1	Propene	3.10		J		1.49	ppbv
000106-97-8	Butane	8.70		J		1.62	ppbv
	unknown2.276	3.90		J		2.28	ppbv
000107-83-5	Pentane, 2-methyl-	3.00		J		2.47	ppbv
000591-76-4	Hexane, 2-methyl-	3.90		J		4.05	ppbv
000589-34-4	Hexane, 3-methyl-	4.70		J		4.27	ppbv
000108-87-2	Cyclohexane, methyl-	3.70		J		5.67	ppbv
000565-75-3	Pentane, 2,3,4-trimethyl-	5.60		J		6.83	ppbv
000111-65-9	Octane	4.20		J		8.30	ppbv
98-82-8	Isopropylbenzene	0.34		J		10.5	ppbv
103-65-1	n-propylbenzene	1.00		J		11.0	ppbv
000111-13-7	2-Octanone	65.3		J		11.4	ppbv
99-87-6	p-Isopropyltoluene	0.18		J		11.9	ppbv
104-51-8	n-Butylbenzene	0.39		J		12.3	ppbv
91-57-6	Naphthalene,2-methyl-	0.17		J		14.5	ppbv

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements