

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023829.D
 Acq On : 01 Dec 2025 07:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2025
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 03:11:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	565841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	855261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	736930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	375940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	292717	53.121	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.240%	
35) Dibromofluoromethane	7.640	113	284370	56.128	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.260%	
50) Toluene-d8	10.109	98	1122581	55.783	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.560%	
62) 4-Bromofluorobenzene	12.408	95	373417	56.395	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.780%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	199116	46.693	ug/l	98
3) Chloromethane	2.074	50	267751	41.042	ug/l	100
4) Vinyl Chloride	2.214	62	322576	45.709	ug/l	100
5) Bromomethane	2.604	94	203955	40.968	ug/l	99
6) Chloroethane	2.745	64	214827	46.709	ug/l	100
7) Trichlorofluoromethane	3.068	101	479832	50.290	ug/l	98
8) Diethyl Ether	3.464	74	153314	51.018	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	297527	53.429	ug/l	99
10) Methyl Iodide	4.013	142	325078	53.273	ug/l	99
11) Tert butyl alcohol	4.878	59	99828	220.581	ug/l #	87
12) 1,1-Dichloroethene	3.799	96	277660	50.683	ug/l	94
13) Acrolein	3.659	56	85436	131.320	ug/l	98
14) Allyl chloride	4.397	41	447397	51.550	ug/l	100
15) Acrylonitrile	5.067	53	363057	279.919	ug/l	99
16) Acetone	3.879	43	447588	281.920	ug/l	98
17) Carbon Disulfide	4.116	76	758506	42.901	ug/l	98
18) Methyl Acetate	4.397	43	172059	56.118	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	752709	53.764	ug/l	97
20) Methylene Chloride	4.628	84	300248	44.733	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	304799	50.250	ug/l	97
22) Diisopropyl ether	6.025	45	1016024	54.141	ug/l	100
23) Vinyl Acetate	5.970	43	2875222	275.519	ug/l	100
24) 1,1-Dichloroethane	5.921	63	570383	51.666	ug/l	97
25) 2-Butanone	6.902	43	530431	273.766	ug/l	98
26) 2,2-Dichloropropane	6.890	77	501519	51.251	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	361391	51.306	ug/l	99
28) Bromochloromethane	7.250	49	220152	47.941	ug/l	99
29) Tetrahydrofuran	7.268	42	302501	279.924	ug/l	99
30) Chloroform	7.427	83	576817	51.961	ug/l	100
31) Cyclohexane	7.707	56	518325	48.926	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	518459	52.616	ug/l	99
36) 1,1-Dichloropropene	7.841	75	423829	54.560	ug/l	99
37) Ethyl Acetate	6.994	43	213042	58.305	ug/l	99
38) Carbon Tetrachloride	7.823	117	468287	54.920	ug/l	99
39) Methylcyclohexane	9.115	83	554459	54.044	ug/l	99
40) Benzene	8.085	78	1278955	53.501	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	118961	65.213	ug/l	90
42) 1,2-Dichloroethane	8.164	62	338640	54.948	ug/l	99
43) Isopropyl Acetate	8.201	43	378976	55.501	ug/l	100
44) Trichloroethene	8.872	130	335169	54.645	ug/l	98
45) 1,2-Dichloropropane	9.146	63	310559	55.100	ug/l	98
46) Dibromomethane	9.237	93	167018	54.610	ug/l	98
47) Bromodichloromethane	9.426	83	441190	55.198	ug/l	96
48) Methyl methacrylate	9.225	41	186940	58.148	ug/l	99
49) 1,4-Dioxane	9.237	88	40480	1180.999	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	1079247	300.240	ug/l	100
52) Toluene	10.176	92	818319	55.219	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	405436	55.375	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	479494	54.711	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	235303	57.435	ug/l	96
56) Ethyl methacrylate	10.444	69	313367	58.253	ug/l	100
57) 1,3-Dichloropropane	10.719	76	401661	56.202	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	640398	247.809	ug/l	100
59) 2-Hexanone	10.761	43	801922	301.685	ug/l	100
60) Dibromochloromethane	10.914	129	308523	56.119	ug/l	99
61) 1,2-Dibromoethane	11.018	107	213209	56.066	ug/l	98
64) Tetrachloroethene	10.652	164	392087	56.086	ug/l	97
65) Chlorobenzene	11.444	112	888796	54.945	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	308580	56.153	ug/l	100
67) Ethyl Benzene	11.524	91	1577940	57.109	ug/l	99
68) m/p-Xylenes	11.633	106	1201612	112.859	ug/l	100
69) o-Xylene	11.956	106	561357	56.239	ug/l	99
70) Styrene	11.975	104	939742	57.152	ug/l	100
71) Bromoform	12.133	173	181561	56.641	ug/l #	99
73) Isopropylbenzene	12.255	105	1527097	57.235	ug/l	99
74) N-amyl acetate	12.072	43	335419	56.270	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	249514	56.801	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	182499m	55.823	ug/l	
77) Bromobenzene	12.536	156	347128	55.313	ug/l	100
78) n-propylbenzene	12.597	91	1837804	57.211	ug/l	100
79) 2-Chlorotoluene	12.682	91	1025232	55.453	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1238236	56.849	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	88424	57.170	ug/l	98
82) 4-Chlorotoluene	12.779	91	1047263	55.156	ug/l	99
83) tert-Butylbenzene	12.999	119	1116803	57.075	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	1226704	56.354	ug/l	100
85) sec-Butylbenzene	13.176	105	1672023	57.888	ug/l	99
86) p-Isopropyltoluene	13.292	119	1385976	57.408	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	689486	54.819	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	672165	53.540	ug/l	100
89) n-Butylbenzene	13.621	91	1282431	57.933	ug/l	100
90) Hexachloroethane	13.883	117	280638	55.326	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	603900	54.906	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	40358	54.888	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	358930	54.733	ug/l	99
94) Hexachlorobutadiene	15.023	225	220403	53.968	ug/l	99
95) Naphthalene	15.145	128	645182	58.337	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	310339	55.565	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

