

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022811.D
 Acq On : 25 Jun 2025 09:13
 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 :Mahesh Dadoda 06/26/2025
 Supervised By :Semsettin Yesilyurt 06/26/2025

Quant Time: Jun 26 01:20:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	448549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	727879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	634524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	316858	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	240425	48.025	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.040%
35) Dibromofluoromethane	7.628	113	224975	50.823	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.640%
50) Toluene-d8	10.103	98	914056	52.037	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.080%
62) 4-Bromofluorobenzene	12.402	95	289678	51.300	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	180214	46.985	ug/l	98
3) Chloromethane	2.068	50	304245	41.540	ug/l	97
4) Vinyl Chloride	2.202	62	422331	46.155	ug/l	99
5) Bromomethane	2.592	94	321449	44.686	ug/l	98
6) Chloroethane	2.733	64	288512	46.907	ug/l	95
7) Trichlorofluoromethane	3.050	101	478972	47.274	ug/l	97
8) Diethyl Ether	3.452	74	115934	46.329	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	225579	48.719	ug/l	97
10) Methyl Iodide	4.001	142	262810	52.132	ug/l	99
11) Tert butyl alcohol	4.854	59	70733	212.488	ug/l	97
12) 1,1-Dichloroethene	3.787	96	221456	48.777	ug/l	99
13) Acrolein	3.647	56	86955	192.639	ug/l	98
14) Allyl chloride	4.379	41	331352	47.449	ug/l	96
15) Acrylonitrile	5.055	53	237143	227.130	ug/l	100
16) Acetone	3.866	43	256030	270.581	ug/l	99
17) Carbon Disulfide	4.104	76	707182	48.215	ug/l	99
18) Methyl Acetate	4.379	43	126312	40.309	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	584880	47.311	ug/l	98
20) Methylene Chloride	4.610	84	255294	42.722	ug/l	95
21) trans-1,2-Dichloroethene	5.104	96	248382	47.868	ug/l	97
22) Diisopropyl ether	6.012	45	736490	47.489	ug/l	99
23) Vinyl Acetate	5.958	43	2066183	241.229	ug/l	98
24) 1,1-Dichloroethane	5.909	63	449244	47.957	ug/l	99
25) 2-Butanone	6.884	43	325554	236.396	ug/l	98
26) 2,2-Dichloropropane	6.878	77	400519	51.006	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	290538	48.186	ug/l	100
28) Bromochloromethane	7.244	49	183603	46.620	ug/l	90
29) Tetrahydrofuran	7.262	42	194236	223.363	ug/l	98
30) Chloroform	7.415	83	458350	47.506	ug/l	97
31) Cyclohexane	7.695	56	401308	46.670	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	411034	49.298	ug/l	99
36) 1,1-Dichloropropene	7.835	75	338214	50.407	ug/l	99
37) Ethyl Acetate	6.982	43	136570	47.169	ug/l	98
38) Carbon Tetrachloride	7.811	117	359275	50.748	ug/l	98
39) Methylcyclohexane	9.103	83	443175	51.040	ug/l	99
40) Benzene	8.079	78	1029813	49.920	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	87080m	48.854	ug/l	
42) 1,2-Dichloroethane	8.152	62	276872	48.978	ug/l	100
43) Isopropyl Acetate	8.195	43	284360	47.255	ug/l	98
44) Trichloroethene	8.866	130	265065	51.177	ug/l	92
45) 1,2-Dichloropropane	9.140	63	240940	49.903	ug/l	97
46) Dibromomethane	9.231	93	132491	48.340	ug/l	96
47) Bromodichloromethane	9.420	83	350154	49.544	ug/l	97
48) Methyl methacrylate	9.219	41	138660	47.932	ug/l	94
49) 1,4-Dioxane	9.225	88	28884	891.995	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	730067	238.741	ug/l	95
52) Toluene	10.170	92	661303	50.813	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	319011	50.167	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	373423	50.646	ug/l	96
55) 1,1,2-Trichloroethane	10.566	97	171753	48.394	ug/l	96
56) Ethyl methacrylate	10.438	69	239759	50.213	ug/l	93
57) 1,3-Dichloropropane	10.713	76	296576	47.897	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	578771	231.838	ug/l	97
59) 2-Hexanone	10.755	43	512572	246.541	ug/l	96
60) Dibromochloromethane	10.908	129	227181	49.558	ug/l	99
61) 1,2-Dibromoethane	11.012	107	162586	48.956	ug/l	96
64) Tetrachloroethene	10.646	164	316666	52.827	ug/l	98
65) Chlorobenzene	11.438	112	700577	50.248	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	235790	49.930	ug/l	99
67) Ethyl Benzene	11.518	91	1257234	51.322	ug/l	97
68) m/p-Xylenes	11.621	106	983789	103.889	ug/l	100
69) o-Xylene	11.950	106	459787	51.530	ug/l	100
70) Styrene	11.969	104	772857	51.710	ug/l	99
71) Bromoform	12.127	173	126376	48.061	ug/l #	99
73) Isopropylbenzene	12.249	105	1205651	51.449	ug/l	99
74) N-amyl acetate	12.066	43	260075	49.444	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	168089	44.506	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	151600m	46.865	ug/l	
77) Bromobenzene	12.530	156	262793	49.475	ug/l	99
78) n-propylbenzene	12.591	91	1466178	51.821	ug/l	98
79) 2-Chlorotoluene	12.676	91	810209	50.685	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	974376	51.507	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	61711	48.196	ug/l	98
82) 4-Chlorotoluene	12.773	91	835838	49.780	ug/l	99
83) tert-Butylbenzene	12.993	119	867090	51.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	989679	52.254	ug/l	99
85) sec-Butylbenzene	13.170	105	1315993	52.426	ug/l	99
86) p-Isopropyltoluene	13.286	119	1102630	52.785	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	536520	50.294	ug/l	100
88) 1,4-Dichlorobenzene	13.359	146	526174	49.655	ug/l	99
89) n-Butylbenzene	13.615	91	1034111	52.629	ug/l	99
90) Hexachloroethane	13.877	117	210549	50.607	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	462734	49.222	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	30204	47.159	ug/l	97
93) 1,2,4-Trichlorobenzene	14.913	180	259937	48.973	ug/l	98
94) Hexachlorobutadiene	15.017	225	147577	49.168	ug/l	98
95) Naphthalene	15.139	128	464287	48.371	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	221282	48.245	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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