

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022487.D
 Acq On : 30 May 2025 18:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/02/2025
 Supervised By : Mahesh Dadoda 06/02/2025

Quant Time: May 31 02:32:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	182387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	316610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	267381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	126266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	111525	58.053	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.100%			
35) Dibromofluoromethane	7.640	113	103292	55.708	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.420%			
50) Toluene-d8	10.103	98	410646	54.328	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.660%			
62) 4-Bromofluorobenzene	12.402	95	123471	54.003	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.000%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	75945	43.644	ug/l	99
3) Chloromethane	2.068	50	213948	49.985	ug/l	96
4) Vinyl Chloride	2.202	62	296026	56.930	ug/l	100
5) Bromomethane	2.592	94	242297	51.277	ug/l	95
6) Chloroethane	2.733	64	209142	61.551	ug/l	97
7) Trichlorofluoromethane	3.050	101	246213	56.121	ug/l	100
8) Diethyl Ether	3.452	74	55693	55.055	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	97391	50.600	ug/l	99
10) Methyl Iodide	4.001	142	115907	53.378	ug/l	98
11) Tert butyl alcohol	4.866	59	37897	279.863	ug/l	100
12) 1,1-Dichloroethene	3.787	96	97225	50.879	ug/l	97
13) Acrolein	3.647	56	36433	179.564	ug/l	98
14) Allyl chloride	4.379	41	152933	53.203	ug/l	98
15) Acrylonitrile	5.055	53	117940	289.248	ug/l	99
16) Acetone	3.873	43	99875	316.378	ug/l #	87
17) Carbon Disulfide	4.104	76	306234	50.218	ug/l	98
18) Methyl Acetate	4.385	43	76019	64.285	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	275754	54.355	ug/l	98
20) Methylene Chloride	4.616	84	131819	59.133	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	108162	51.847	ug/l	99
22) Diisopropyl ether	6.019	45	343599	54.161	ug/l	98
23) Vinyl Acetate	5.958	43	950665	260.981	ug/l	100
24) 1,1-Dichloroethane	5.915	63	205228	54.746	ug/l	99
25) 2-Butanone	6.896	43	151832	288.795	ug/l	99
26) 2,2-Dichloropropane	6.884	77	165741	48.828	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	129937	53.802	ug/l	99
28) Bromochloromethane	7.244	49	91062	58.173	ug/l	99
29) Tetrahydrofuran	7.268	42	99259	283.088	ug/l	100
30) Chloroform	7.421	83	205785	55.710	ug/l	97
31) Cyclohexane	7.701	56	174434	47.204	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	177075	52.820	ug/l	98
36) 1,1-Dichloropropene	7.835	75	149323	50.751	ug/l	99
37) Ethyl Acetate	6.982	43	65610	52.470	ug/l	98
38) Carbon Tetrachloride	7.817	117	154079	50.271	ug/l	96
39) Methylcyclohexane	9.109	83	189539	48.462	ug/l	99
40) Benzene	8.079	78	465694	53.192	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	40119	52.863	ug/l	91
42) 1,2-Dichloroethane	8.158	62	124976	54.050	ug/l	99
43) Isopropyl Acetate	8.201	43	146634	53.665	ug/l #	87
44) Trichloroethene	8.866	130	110110	50.876	ug/l	92
45) 1,2-Dichloropropane	9.140	63	110049	53.500	ug/l	98
46) Dibromomethane	9.231	93	61760	53.747	ug/l	98
47) Bromodichloromethane	9.426	83	157073	53.156	ug/l	97
48) Methyl methacrylate	9.219	41	69252	54.599	ug/l	98
49) 1,4-Dioxane	9.231	88	14825	1168.055	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	377234	279.813	ug/l	100
52) Toluene	10.170	92	290236	53.076	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	143248	52.044	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	168461	52.088	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	78632	54.123	ug/l	96
56) Ethyl methacrylate	10.438	69	112374	53.899	ug/l	96
57) 1,3-Dichloropropane	10.719	76	141019	55.080	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	291801	280.829	ug/l	98
59) 2-Hexanone	10.762	43	250949	284.034	ug/l	99
60) Dibromochloromethane	10.914	129	98674	53.169	ug/l	97
61) 1,2-Dibromoethane	11.012	107	73204	55.090	ug/l	100
64) Tetrachloroethene	10.646	164	122496	53.793	ug/l	95
65) Chlorobenzene	11.438	112	301482	52.879	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	103794	53.732	ug/l	99
67) Ethyl Benzene	11.518	91	557798	52.691	ug/l	99
68) m/p-Xylenes	11.627	106	418447	104.255	ug/l	99
69) o-Xylene	11.950	106	197123	52.257	ug/l	99
70) Styrene	11.969	104	337801	53.780	ug/l	99
71) Bromoform	12.133	173	53273	52.651	ug/l #	98
73) Isopropylbenzene	12.255	105	506653	50.983	ug/l	99
74) N-amyl acetate	12.066	43	126743	52.122	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	82929	52.966	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	61506m	48.631	ug/l	
77) Bromobenzene	12.530	156	109310	51.114	ug/l	97
78) n-propylbenzene	12.591	91	613496	51.442	ug/l	100
79) 2-Chlorotoluene	12.676	91	333610	51.677	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	400633	51.597	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	27108	48.470	ug/l	96
82) 4-Chlorotoluene	12.773	91	339359	51.040	ug/l	100
83) tert-Butylbenzene	12.993	119	360101	51.331	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	402845	51.556	ug/l	99
85) sec-Butylbenzene	13.176	105	538390	51.749	ug/l	100
86) p-Isopropyltoluene	13.292	119	444569	51.172	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	218974	50.890	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	211421	51.386	ug/l	99
89) n-Butylbenzene	13.615	91	416041	51.074	ug/l	99
90) Hexachloroethane	13.877	117	88507	51.194	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	187920	52.287	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12762	52.749	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	99161	49.768	ug/l	97
94) Hexachlorobutadiene	15.023	225	51881	49.616	ug/l	99
95) Naphthalene	15.145	128	199942	54.281	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	84290	51.583	ug/l	98

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

