

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050625\
 Data File : VY022173.D
 Acq On : 06 May 2025 10:39
 Operator : SY/MD
 Sample : VY0506SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0506SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
 Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 06:39:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	213818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	337521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	309806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	166836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	103584	52.448	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.900%			
35) Dibromofluoromethane	7.634	113	113562	50.928	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.860%			
50) Toluene-d8	10.109	98	439490	52.280	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.560%			
62) 4-Bromofluorobenzene	12.408	95	145521	51.421	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	38293	21.018	ug/l	98
3) Chloromethane	2.068	50	59295	22.856	ug/l	93
4) Vinyl Chloride	2.202	62	73052	22.915	ug/l	99
5) Bromomethane	2.592	94	62671	22.818	ug/l	99
6) Chloroethane	2.732	64	50688	23.346	ug/l	99
7) Trichlorofluoromethane	3.056	101	93122	22.152	ug/l	95
8) Diethyl Ether	3.452	74	23377	21.365	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	51875	22.748	ug/l	98
10) Methyl Iodide	4.000	142	54448	20.622	ug/l	99
11) Tert butyl alcohol	4.866	59	11443	105.538	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	47640	22.413	ug/l	94
13) Acrolein	3.659	56	11761	60.436	ug/l	96
14) Allyl chloride	4.385	41	53943	21.795	ug/l	99
15) Acrylonitrile	5.067	53	42549	106.224	ug/l	98
16) Acetone	3.872	43	33551	118.555	ug/l	97
17) Carbon Disulfide	4.104	76	145807	21.514	ug/l	99
18) Methyl Acetate	4.391	43	21383	23.178	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	97755	20.548	ug/l	100
20) Methylene Chloride	4.622	84	57361	22.969	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	52229	21.940	ug/l	100
22) Diisopropyl ether	6.018	45	128039	23.247	ug/l	96
23) Vinyl Acetate	5.964	43	323306	108.917	ug/l	99
24) 1,1-Dichloroethane	5.921	63	87733	22.980	ug/l	98
25) 2-Butanone	6.896	43	47894	106.386	ug/l	99
26) 2,2-Dichloropropane	6.884	77	77981	23.304	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	56796	21.338	ug/l	95
28) Bromochloromethane	7.244	49	33115	22.331	ug/l	95
29) Tetrahydrofuran	7.262	42	31185	106.655	ug/l	96
30) Chloroform	7.421	83	94932	22.417	ug/l	97
31) Cyclohexane	7.701	56	71878	22.016	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	85914	22.424	ug/l	99
36) 1,1-Dichloropropene	7.835	75	65922	22.009	ug/l	100
37) Ethyl Acetate	6.982	43	24266	22.557	ug/l #	95
38) Carbon Tetrachloride	7.823	117	79268	22.147	ug/l	98
39) Methylcyclohexane	9.109	83	79599	21.117	ug/l	96
40) Benzene	8.079	78	209487	22.374	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	10536	17.916	ug/l #	80
42) 1,2-Dichloroethane	8.158	62	51293	22.126	ug/l	99
43) Isopropyl Acetate	8.195	43	42868	20.750	ug/l	98
44) Trichloroethene	8.865	130	55277	21.314	ug/l	91
45) 1,2-Dichloropropane	9.140	63	46640	22.525	ug/l	95
46) Dibromomethane	9.231	93	28425	21.930	ug/l	96
47) Bromodichloromethane	9.420	83	71264	22.008	ug/l	97
48) Methyl methacrylate	9.225	41	20714	21.689	ug/l	98
49) 1,4-Dioxane	9.237	88	4925	356.492	ug/l #	85
51) 4-Methyl-2-Pentanone	9.999	43	115249	106.419	ug/l	96
52) Toluene	10.170	92	135554	22.366	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	58334	21.003	ug/l	91
54) cis-1,3-Dichloropropene	9.859	75	72444	21.942	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	38553	22.267	ug/l	97
56) Ethyl methacrylate	10.438	69	38160	19.273	ug/l	98
57) 1,3-Dichloropropane	10.719	76	59971	21.606	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	97700	100.923	ug/l	99
59) 2-Hexanone	10.761	43	73896	103.451	ug/l	95
60) Dibromochloromethane	10.908	129	51245	21.378	ug/l	97
61) 1,2-Dibromoethane	11.018	107	34104	20.864	ug/l	99
64) Tetrachloroethene	10.646	164	64106	21.935	ug/l	97
65) Chlorobenzene	11.444	112	149602	21.594	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	52158	21.384	ug/l	97
67) Ethyl Benzene	11.517	91	242528	21.400	ug/l	100
68) m/p-Xylenes	11.633	106	197964	43.897	ug/l	100
69) o-Xylene	11.956	106	87844	21.134	ug/l	98
70) Styrene	11.969	104	149510	21.423	ug/l	98
71) Bromoform	12.133	173	30197	21.295	ug/l #	97
73) Isopropylbenzene	12.255	105	233598	20.957	ug/l	100
74) N-amyl acetate	12.072	43	38297	19.998	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	39680	21.115	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	30068m	21.041	ug/l	
77) Bromobenzene	12.529	156	58639	20.820	ug/l	96
78) n-propylbenzene	12.597	91	284417	21.426	ug/l	99
79) 2-Chlorotoluene	12.682	91	166314	21.544	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	196259	21.370	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	12061	20.325	ug/l	96
82) 4-Chlorotoluene	12.779	91	176577	22.004	ug/l	99
83) tert-Butylbenzene	12.999	119	170956	20.755	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	199708	21.740	ug/l	98
85) sec-Butylbenzene	13.176	105	260374	21.603	ug/l	99
86) p-Isopropyltoluene	13.291	119	217790	21.280	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	122359	21.390	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	119833	21.151	ug/l	99
89) n-Butylbenzene	13.621	91	194343	21.244	ug/l	98
90) Hexachloroethane	13.877	117	48419	21.533	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	105734	21.192	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6053	20.245	ug/l	83
93) 1,2,4-Trichlorobenzene	14.925	180	55492	19.627	ug/l	99
94) Hexachlorobutadiene	15.023	225	37712	21.679	ug/l	96
95) Naphthalene	15.145	128	83127	17.699	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	48660	19.938	ug/l	96

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

