

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022443.D
 Acq On : 28 May 2025 10:49
 Operator : SY/MD
 Sample : VY0528SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 05/29/2025
 Supervised By : Semsettin Yesilyurt 05/29/2025

Quant Time: May 29 01:52:49 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	214074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	375533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	315571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	143884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119378	52.943	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.880%			
35) Dibromofluoromethane	7.634	113	109564	49.819	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.640%			
50) Toluene-d8	10.109	98	451614	50.373	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.740%			
62) 4-Bromofluorobenzene	12.408	95	131082	48.336	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	47903	23.454	ug/l	99
3) Chloromethane	2.068	50	105455	20.991	ug/l	97
4) Vinyl Chloride	2.202	62	141477	23.181	ug/l	100
5) Bromomethane	2.592	94	130440	23.519	ug/l	99
6) Chloroethane	2.733	64	98218	24.627	ug/l	98
7) Trichlorofluoromethane	3.050	101	124367	24.152	ug/l	97
8) Diethyl Ether	3.458	74	26315	22.163	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	51475	22.785	ug/l	98
10) Methyl Iodide	4.007	142	53481	20.984	ug/l	98
11) Tert butyl alcohol	4.872	59	16343	102.826	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	49593	22.111	ug/l	98
13) Acrolein	3.659	56	23906	100.383	ug/l	97
14) Allyl chloride	4.385	41	74063	21.952	ug/l	97
15) Acrylonitrile	5.061	53	51879	108.400	ug/l	99
16) Acetone	3.879	43	44334	119.651	ug/l #	90
17) Carbon Disulfide	4.104	76	160294	22.395	ug/l	99
18) Methyl Acetate	4.379	43	29763	21.443	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	127818	21.465	ug/l	97
20) Methylene Chloride	4.616	84	59867	22.881	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	53739	21.947	ug/l	99
22) Diisopropyl ether	6.025	45	162362	21.805	ug/l	96
23) Vinyl Acetate	5.964	43	460750	107.765	ug/l	99
24) 1,1-Dichloroethane	5.915	63	98399	22.363	ug/l	99
25) 2-Butanone	6.896	43	66324	107.480	ug/l	99
26) 2,2-Dichloropropane	6.884	77	87685	22.009	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	61602	21.732	ug/l	98
28) Bromochloromethane	7.244	49	40908	22.265	ug/l	100
29) Tetrahydrofuran	7.262	42	43768	106.350	ug/l	98
30) Chloroform	7.427	83	96939	22.359	ug/l	97
31) Cyclohexane	7.701	56	93841	21.636	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	87441	22.222	ug/l	99
36) 1,1-Dichloropropene	7.835	75	73912	21.179	ug/l	97
37) Ethyl Acetate	6.982	43	31160	21.010	ug/l	98
38) Carbon Tetrachloride	7.817	117	75537	20.778	ug/l	96
39) Methylcyclohexane	9.109	83	94687	20.411	ug/l	94
40) Benzene	8.079	78	222559	21.432	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	16887m	18.760	ug/l	
42) 1,2-Dichloroethane	8.158	62	56869	20.736	ug/l	99
43) Isopropyl Acetate	8.201	43	65272	20.140	ug/l #	88
44) Trichloroethene	8.866	130	53773	20.947	ug/l	94
45) 1,2-Dichloropropane	9.140	63	51026	20.914	ug/l	94
46) Dibromomethane	9.231	93	28390	20.830	ug/l	99
47) Bromodichloromethane	9.426	83	74007	21.115	ug/l	99
48) Methyl methacrylate	9.225	41	29434	19.565	ug/l	96
49) 1,4-Dioxane	9.231	88	5984	397.499	ug/l #	91
51) 4-Methyl-2-Pentanone	10.000	43	160007	100.063	ug/l	99
52) Toluene	10.170	92	135436	20.881	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	66185	20.273	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	79861	20.818	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	35441	20.567	ug/l	97
56) Ethyl methacrylate	10.438	69	48579	19.645	ug/l	96
57) 1,3-Dichloropropane	10.719	76	62079	20.443	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	119142	96.671	ug/l	99
59) 2-Hexanone	10.762	43	103695	98.951	ug/l	98
60) Dibromochloromethane	10.908	129	44608	20.265	ug/l	98
61) 1,2-Dibromoethane	11.018	107	32169	20.411	ug/l	99
64) Tetrachloroethene	10.646	164	56670	21.086	ug/l	93
65) Chlorobenzene	11.444	112	138439	20.574	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	46670	20.471	ug/l	99
67) Ethyl Benzene	11.518	91	254095	20.337	ug/l	100
68) m/p-Xylenes	11.627	106	191217	40.366	ug/l	100
69) o-Xylene	11.957	106	91063	20.454	ug/l	99
70) Styrene	11.969	104	149257	20.134	ug/l	98
71) Bromoform	12.133	173	23341	19.546	ug/l #	99
73) Isopropylbenzene	12.255	105	237313	20.956	ug/l	100
74) N-amyl acetate	12.072	43	56709	20.465	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	36700	20.570	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	28265m	19.612	ug/l	
77) Bromobenzene	12.530	156	50154	20.581	ug/l	97
78) n-propylbenzene	12.597	91	288630	21.239	ug/l	99
79) 2-Chlorotoluene	12.676	91	154312	20.976	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	187176	21.154	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	13050	20.477	ug/l	95
82) 4-Chlorotoluene	12.780	91	158567	20.929	ug/l	100
83) tert-Butylbenzene	12.999	119	169558	21.210	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	183737	20.635	ug/l	100
85) sec-Butylbenzene	13.176	105	257092	21.685	ug/l	99
86) p-Isopropyltoluene	13.292	119	205559	20.763	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	101221	20.643	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	99007	21.117	ug/l	98
89) n-Butylbenzene	13.615	91	201335	21.690	ug/l	100
90) Hexachloroethane	13.877	117	40971	20.796	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	87029	21.250	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	5583	20.250	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	48345	21.293	ug/l	94
94) Hexachlorobutadiene	15.023	225	26687	22.397	ug/l	96
95) Naphthalene	15.145	128	89195	21.250	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	40843	21.934	ug/l	98

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

