

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022210.D
 Acq On : 12 May 2025 09:28
 Operator : SY/MD
 Sample : VY0512SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

Quant Time: May 13 02:15:15 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
 Supervised By :Semsettin Yesilyurt 05/13/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	216652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	334827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	309772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	169523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96365	48.154	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.300%		
35) Dibromofluoromethane	7.634	113	109386	49.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.900%		
50) Toluene-d8	10.109	98	416832	49.983	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.960%		
62) 4-Bromofluorobenzene	12.407	95	139167	49.572	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	33338	18.059	ug/l	100
3) Chloromethane	2.068	50	61474	23.386	ug/l	98
4) Vinyl Chloride	2.202	62	72681	22.500	ug/l	99
5) Bromomethane	2.592	94	75100	26.986	ug/l	98
6) Chloroethane	2.732	64	52359	23.800	ug/l	96
7) Trichlorofluoromethane	3.055	101	92725	21.769	ug/l	98
8) Diethyl Ether	3.458	74	21778	19.644	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.811	101	47784	20.680	ug/l	99
10) Methyl Iodide	4.000	142	50207	18.767	ug/l	97
11) Tert butyl alcohol	4.884	59	10317	93.908	ug/l	100
12) 1,1-Dichloroethene	3.787	96	43298	20.103	ug/l	92
13) Acrolein	3.659	56	6549	33.213	ug/l	96
14) Allyl chloride	4.378	41	52950	21.114	ug/l	95
15) Acrylonitrile	5.061	53	40784	100.485	ug/l	98
16) Acetone	3.879	43	26569	87.553	ug/l	99
17) Carbon Disulfide	4.104	76	135674	19.757	ug/l	99
18) Methyl Acetate	4.391	43	23514	25.154	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	92141	19.114	ug/l	98
20) Methylene Chloride	4.610	84	54110	21.384	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	49277	20.429	ug/l	88
22) Diisopropyl ether	6.018	45	120272	21.551	ug/l	96
23) Vinyl Acetate	5.964	43	295364	98.202	ug/l	99
24) 1,1-Dichloroethane	5.915	63	85086	21.995	ug/l	99
25) 2-Butanone	6.902	43	43050	94.375	ug/l	94
26) 2,2-Dichloropropane	6.884	77	74872	22.083	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	55842	20.705	ug/l	97
28) Bromochloromethane	7.244	49	33561	22.336	ug/l	94
29) Tetrahydrofuran	7.268	42	29008	97.912	ug/l	98
30) Chloroform	7.421	83	93637	21.822	ug/l	97
31) Cyclohexane	7.701	56	65954	19.937	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	82451	21.239	ug/l	98
36) 1,1-Dichloropropene	7.835	75	62108	20.902	ug/l	99
37) Ethyl Acetate	6.994	43	19542	18.312	ug/l	97
38) Carbon Tetrachloride	7.817	117	75551	21.278	ug/l	98
39) Methylcyclohexane	9.109	83	72328	19.343	ug/l	95
40) Benzene	8.079	78	199040	21.429	ug/l	99

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41) Methacrylonitrile	7.225	41	9484	16.257	ug/l #	74
42) 1,2-Dichloroethane	8.158	62	49678	21.602	ug/l	97
43) Isopropyl Acetate	8.201	43	42041	20.514	ug/l	98
44) Trichloroethene	8.865	130	53821	20.920	ug/l	96
45) 1,2-Dichloropropane	9.140	63	45998	22.394	ug/l	96
46) Dibromomethane	9.231	93	26246	20.412	ug/l	98
47) Bromodichloromethane	9.426	83	69942	21.774	ug/l	98
48) Methyl methacrylate	9.225	41	19057	20.115	ug/l	96
49) 1,4-Dioxane	9.250	88	5178	377.821	ug/l #	89
51) 4-Methyl-2-Pentanone	9.999	43	108711	101.190	ug/l	96
52) Toluene	10.170	92	130578	21.718	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	58755	21.325	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	69165	21.118	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	35987	20.952	ug/l	97
56) Ethyl methacrylate	10.438	69	35918	18.287	ug/l	96
57) 1,3-Dichloropropane	10.719	76	58731	21.330	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	91818	95.610	ug/l	99
59) 2-Hexanone	10.761	43	69173	97.618	ug/l	95
60) Dibromochloromethane	10.914	129	49162	20.674	ug/l	98
61) 1,2-Dibromoethane	11.017	107	32476	20.028	ug/l	98
64) Tetrachloroethene	10.646	164	63571	21.754	ug/l	97
65) Chlorobenzene	11.444	112	144043	20.794	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	51404	21.078	ug/l	99
67) Ethyl Benzene	11.524	91	229545	20.256	ug/l	96
68) m/p-Xylenes	11.627	106	190495	42.246	ug/l	98
69) o-Xylene	11.956	106	83841	20.173	ug/l	100
70) Styrene	11.969	104	143576	20.575	ug/l	99
71) Bromoform	12.133	173	28346	19.992	ug/l #	98
73) Isopropylbenzene	12.255	105	221453	19.553	ug/l	99
74) N-amyl acetate	12.072	43	34726	17.846	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	37598	19.690	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	29981m	20.647	ug/l	
77) Bromobenzene	12.536	156	57609	20.130	ug/l	98
78) n-propylbenzene	12.596	91	274074	20.320	ug/l	99
79) 2-Chlorotoluene	12.682	91	160546	20.467	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	188921	20.245	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11626	19.281	ug/l	96
82) 4-Chlorotoluene	12.779	91	168905	20.714	ug/l	99
83) tert-Butylbenzene	12.999	119	160123	19.132	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	190789	20.440	ug/l	99
85) sec-Butylbenzene	13.176	105	247586	20.216	ug/l	99
86) p-Isopropyltoluene	13.291	119	208057	20.006	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	119746	20.601	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	116013	20.152	ug/l	99
89) n-Butylbenzene	13.621	91	182357	19.618	ug/l	98
90) Hexachloroethane	13.883	117	47589	20.828	ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	102757	20.269	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5748	18.920	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	54134	18.843	ug/l	100
94) Hexachlorobutadiene	15.023	225	35674	20.182	ug/l	97
95) Naphthalene	15.145	128	80621	16.893	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	45853	18.490	ug/l	99

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

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