

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050825\
 Data File : VY022201.D
 Acq On : 08 May 2025 10:24
 Operator : SY/MD
 Sample : VY0508SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Quant Time: May 09 05:05:12 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 05/09/2025
 Supervised By :Semsettin Yesilyurt 05/09/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	211503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	330284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	306202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	167107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	108583	55.581	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.160%			
35) Dibromofluoromethane	7.634	113	115604	52.980	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.960%			
50) Toluene-d8	10.109	98	448281	54.494	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.980%			
62) 4-Bromofluorobenzene	12.408	95	151942	54.867	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	31485	17.470	ug/l	98
3) Chloromethane	2.068	50	57934	22.576	ug/l	95
4) Vinyl Chloride	2.202	62	66214	20.997	ug/l	98
5) Bromomethane	2.592	94	62789	23.111	ug/l	96
6) Chloroethane	2.733	64	48864	22.752	ug/l	95
7) Trichlorofluoromethane	3.056	101	85955	20.671	ug/l	97
8) Diethyl Ether	3.452	74	21233	19.618	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.818	101	47682	21.138	ug/l	98
10) Methyl Iodide	4.001	142	46341	17.744	ug/l	98
11) Tert butyl alcohol	4.872	59	11455	106.805	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	42914	20.410	ug/l	96
13) Acrolein	3.653	56	8571	44.525	ug/l	100
14) Allyl chloride	4.385	41	50895	20.789	ug/l	97
15) Acrylonitrile	5.055	53	43434	109.620	ug/l	97
16) Acetone	3.879	43	29357	102.174	ug/l	96
17) Carbon Disulfide	4.104	76	132266	19.729	ug/l	98
18) Methyl Acetate	4.385	43	20974	22.983	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	93410	19.849	ug/l	98
20) Methylene Chloride	4.616	84	50321	20.370	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	46913	19.923	ug/l	85
22) Diisopropyl ether	6.019	45	119278	21.893	ug/l	97
23) Vinyl Acetate	5.958	43	305348	103.993	ug/l	100
24) 1,1-Dichloroethane	5.915	63	82184	21.762	ug/l	98
25) 2-Butanone	6.903	43	45337	101.808	ug/l	91
26) 2,2-Dichloropropane	6.890	77	70555	21.316	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	52483	19.933	ug/l	95
28) Bromochloromethane	7.244	49	33430	22.790	ug/l	93
29) Tetrahydrofuran	7.262	42	31137	107.656	ug/l	97
30) Chloroform	7.421	83	89514	21.369	ug/l	98
31) Cyclohexane	7.701	56	66911	20.719	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	79662	21.020	ug/l	97
36) 1,1-Dichloropropene	7.835	75	60461	20.628	ug/l	99
37) Ethyl Acetate	6.988	43	23946	22.747	ug/l #	76
38) Carbon Tetrachloride	7.817	117	72524	20.707	ug/l	99
39) Methylcyclohexane	9.110	83	71540	19.395	ug/l	97
40) Benzene	8.079	78	192769	21.039	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	11981	20.820	ug/l #	93
42) 1,2-Dichloroethane	8.158	62	50054	22.065	ug/l	98
43) Isopropyl Acetate	8.195	43	43386	21.461	ug/l	98
44) Trichloroethene	8.866	130	51560	20.317	ug/l	98
45) 1,2-Dichloropropane	9.140	63	43396	21.417	ug/l	98
46) Dibromomethane	9.231	93	26724	21.069	ug/l	97
47) Bromodichloromethane	9.427	83	67266	21.229	ug/l	98
48) Methyl methacrylate	9.225	41	19531	20.899	ug/l	98
49) 1,4-Dioxane	9.244	88	5334	394.557	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	116602	110.028	ug/l	95
52) Toluene	10.170	92	126455	21.321	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	56096	20.640	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	67469	20.883	ug/l	93
55) 1,1,2-Trichloroethane	10.573	97	36531	21.561	ug/l	99
56) Ethyl methacrylate	10.439	69	37309	19.256	ug/l	96
57) 1,3-Dichloropropane	10.719	76	57849	21.298	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	96547	101.917	ug/l	98
59) 2-Hexanone	10.762	43	75626	108.193	ug/l	95
60) Dibromochloromethane	10.914	129	49132	20.946	ug/l	99
61) 1,2-Dibromoethane	11.018	107	33140	20.719	ug/l	97
64) Tetrachloroethene	10.646	164	58723	20.329	ug/l	94
65) Chlorobenzene	11.444	112	138820	20.273	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	49771	20.646	ug/l	99
67) Ethyl Benzene	11.518	91	221120	19.740	ug/l	98
68) m/p-Xylenes	11.627	106	181355	40.688	ug/l	99
69) o-Xylene	11.957	106	80536	19.604	ug/l	98
70) Styrene	11.969	104	138739	20.114	ug/l	99
71) Bromoform	12.133	173	28771	20.528	ug/l #	98
73) Isopropylbenzene	12.255	105	213380	19.112	ug/l	100
74) N-amyl acetate	12.072	43	37585	19.594	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	39556	21.015	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	29783m	20.808	ug/l	
77) Bromobenzene	12.530	156	54698	19.389	ug/l	95
78) n-propylbenzene	12.597	91	263400	19.811	ug/l	100
79) 2-Chlorotoluene	12.682	91	153705	19.878	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	181705	19.753	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	12289	20.675	ug/l	99
82) 4-Chlorotoluene	12.780	91	166511	20.716	ug/l	97
83) tert-Butylbenzene	12.999	119	153820	18.645	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	181526	19.729	ug/l	100
85) sec-Butylbenzene	13.176	105	237613	19.682	ug/l	100
86) p-Isopropyltoluene	13.292	119	201171	19.624	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	113327	19.779	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	114367	20.154	ug/l	99
89) n-Butylbenzene	13.621	91	177317	19.352	ug/l	98
90) Hexachloroethane	13.877	117	46413	20.607	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	97208	19.451	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6070	20.269	ug/l	85
93) 1,2,4-Trichlorobenzene	14.919	180	51306	18.117	ug/l	98
94) Hexachlorobutadiene	15.023	225	33778	19.386	ug/l	97
95) Naphthalene	15.145	128	79176	16.830	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	45360	18.556	ug/l	97

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

