

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022351.D
 Acq On : 20 May 2025 18:26
 Operator : SY/MD
 Sample : Q2075-05MSD
 Misc : 8.33g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-11MSD

Quant Time: May 21 01:56:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
 Supervised By :Semsettin Yesilyurt 05/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	117744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	220285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	197296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	91227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	80702	62.714	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.420%			
35) Dibromofluoromethane	7.634	113	67447	51.299	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.600%			
50) Toluene-d8	10.103	98	243044	45.135	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.280%			
62) 4-Bromofluorobenzene	12.401	95	77563	45.444	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.880%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	69752	56.773	ug/l	99
3) Chloromethane	2.068	50	149030	57.664	ug/l	99
4) Vinyl Chloride	2.202	62	204676	70.884	ug/l	97
5) Bromomethane	2.592	94	169892	72.277	ug/l	96
6) Chloroethane	2.732	64	144872	80.648	ug/l	98
7) Trichlorofluoromethane	3.049	101	187596	64.170	ug/l	99
8) Diethyl Ether	3.452	74	48755	69.492	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	77753	61.264	ug/l	99
10) Methyl Iodide	4.001	142	93043	63.341	ug/l	99
11) Tert butyl alcohol	4.866	59	34756	353.689	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	79516	63.135	ug/l	92
13) Acrolein	3.647	56	12008	83.588	ug/l	94
14) Allyl chloride	4.385	41	116351	52.687	ug/l	94
15) Acrylonitrile	5.055	53	104332	360.903	ug/l	99
16) Acetone	3.866	43	111202	460.865	ug/l	100
17) Carbon Disulfide	4.104	76	257099	62.600	ug/l	99
18) Methyl Acetate	4.385	43	86490	113.688	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	243870	70.224	ug/l	97
20) Methylene Chloride	4.610	84	103093	66.122	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	90197	64.882	ug/l	94
22) Diisopropyl ether	6.012	45	291066	62.413	ug/l	97
23) Vinyl Acetate	5.957	43	416854m	147.955	ug/l	
24) 1,1-Dichloroethane	5.915	63	169790	65.168	ug/l	99
25) 2-Butanone	6.890	43	145998	361.733	ug/l	99
26) 2,2-Dichloropropane	6.884	77	134022	57.834	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	109957	68.542	ug/l	94
28) Bromochloromethane	7.244	49	64696	58.214	ug/l	96
29) Tetrahydrofuran	7.256	42	87898	338.510	ug/l	92
30) Chloroform	7.421	83	170151	68.085	ug/l	99
31) Cyclohexane	7.701	56	148238	56.944	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	144918	63.206	ug/l	99
36) 1,1-Dichloropropene	7.835	75	118925	54.915	ug/l	100
37) Ethyl Acetate	6.982	43	54726	52.521	ug/l	98
38) Carbon Tetrachloride	7.817	117	120777	53.878	ug/l	96
39) Methylcyclohexane	9.109	83	157684	54.197	ug/l	97
40) Benzene	8.079	78	402961	62.767	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	33202m	48.036	ug/l	
42) 1,2-Dichloroethane	8.152	62	108892	62.721	ug/l	100
43) Isopropyl Acetate	8.195	43	126350	55.601	ug/l	99
44) Trichloroethene	8.866	130	93355	58.482	ug/l	92
45) 1,2-Dichloropropane	9.140	63	92211	59.576	ug/l	99
46) Dibromomethane	9.231	93	53553	64.149	ug/l	98
47) Bromodichloromethane	9.420	83	131028	60.501	ug/l	99
48) Methyl methacrylate	9.219	41	65146	61.301	ug/l	93
49) 1,4-Dioxane	9.225	88	12322	1306.545	ug/l #	92
51) 4-Methyl-2-Pentanone	9.999	43	343426	307.999	ug/l	97
52) Toluene	10.170	92	311976	76.740	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	116532	55.135	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	133810	55.258	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	70404	65.859	ug/l	97
56) Ethyl methacrylate	10.438	69	93754	56.302	ug/l	96
57) 1,3-Dichloropropane	10.713	76	121167	63.793	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	242440	324.368	ug/l	99
59) 2-Hexanone	10.762	43	233661	312.547	ug/l	97
60) Dibromochloromethane	10.908	129	86156	62.093	ug/l	99
61) 1,2-Dibromoethane	11.011	107	63680	63.913	ug/l	100
64) Tetrachloroethene	10.646	164	110490	60.588	ug/l	98
65) Chlorobenzene	11.438	112	247023	55.496	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	87876	57.426	ug/l	99
67) Ethyl Benzene	11.517	91	662491	79.472	ug/l	97
68) m/p-Xylenes	11.627	106	646496	205.811	ug/l	98
69) o-Xylene	11.950	106	339682	114.296	ug/l	98
70) Styrene	11.969	104	286703	57.189	ug/l	92
71) Bromoform	12.133	173	47726	57.783	ug/l #	96
73) Isopropylbenzene	12.255	105	445609	58.961	ug/l	100
74) N-amyl acetate	12.072	43	48012	22.212	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	72829	62.659	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	53162m	57.521	ug/l	
77) Bromobenzene	12.530	156	92821	57.504	ug/l	98
78) n-propylbenzene	12.590	91	578609	63.472	ug/l	100
79) 2-Chlorotoluene	12.676	91	328215	65.517	ug/l	92
80) 1,3,5-Trimethylbenzene	12.737	105	435716	71.419	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.298	75	19607	42.975	ug/l	94
82) 4-Chlorotoluene	12.773	91	275371	53.441	ug/l	99
83) tert-Butylbenzene	12.999	119	297328	54.832	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	850199	140.385	ug/l	99
85) sec-Butylbenzene	13.176	105	440134	54.679	ug/l	100
86) p-Isopropyltoluene	13.292	119	357175	52.760	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	174544	52.969	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	171952	54.249	ug/l	98
89) n-Butylbenzene	13.615	91	339824	53.059	ug/l	96
90) Hexachloroethane	13.877	117	71808	52.546	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	155596	56.214	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12219	65.194	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	76925	48.113	ug/l	95
94) Hexachlorobutadiene	15.023	225	36701	41.162	ug/l	98
95) Naphthalene	15.145	128	226323	74.594	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	65369	48.195	ug/l #	86

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

