

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022262.D
 Acq On : 15 May 2025 14:07
 Operator : SY/MD
 Sample : VY0515SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0515SBS01

Quant Time: May 16 01:54:08 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 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	240556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	405751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	344872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134549	51.178	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%			
35) Dibromofluoromethane	7.634	113	123849	51.140	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.280%			
50) Toluene-d8	10.103	98	508643	51.282	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.560%			
62) 4-Bromofluorobenzene	12.408	95	157889	50.222	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	55866	22.256	ug/l	96
3) Chloromethane	2.062	50	128835	24.400	ug/l	99
4) Vinyl Chloride	2.202	62	138947	23.553	ug/l	97
5) Bromomethane	2.592	94	119304	24.843	ug/l	100
6) Chloroethane	2.732	64	83509	22.754	ug/l	98
7) Trichlorofluoromethane	3.050	101	136929	22.926	ug/l	97
8) Diethyl Ether	3.452	74	29041	20.261	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	54846	21.152	ug/l	99
10) Methyl Iodide	4.001	142	55406	18.462	ug/l	98
11) Tert butyl alcohol	4.872	59	20159	100.411	ug/l #	100
12) 1,1-Dichloroethene	3.781	96	54958	21.358	ug/l	99
13) Acrolein	3.653	56	29036	98.931	ug/l	96
14) Allyl chloride	4.379	41	93389	20.699	ug/l	97
15) Acrylonitrile	5.055	53	60103	101.763	ug/l	99
16) Acetone	3.873	43	49514	100.441	ug/l	99
17) Carbon Disulfide	4.104	76	179245	21.362	ug/l	99
18) Methyl Acetate	4.385	43	29743	19.136	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	144494	20.366	ug/l	99
20) Methylene Chloride	4.616	84	67724	21.261	ug/l	91
21) trans-1,2-Dichloroethene	5.110	96	58315	20.532	ug/l	96
22) Diisopropyl ether	6.018	45	196421	20.615	ug/l	100
23) Vinyl Acetate	5.958	43	578998	100.588	ug/l	99
24) 1,1-Dichloroethane	5.915	63	110449	20.749	ug/l	97
25) 2-Butanone	6.896	43	81164	98.430	ug/l	97
26) 2,2-Dichloropropane	6.884	77	98935	20.897	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	68417	20.875	ug/l	99
28) Bromochloromethane	7.244	49	47380	20.868	ug/l	100
29) Tetrahydrofuran	7.262	42	54316	102.386	ug/l	99
30) Chloroform	7.421	83	108086	21.169	ug/l	95
31) Cyclohexane	7.701	56	111819	21.025	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	98630	21.056	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81482	20.427	ug/l	99
37) Ethyl Acetate	6.988	43	38460	20.039	ug/l	98
38) Carbon Tetrachloride	7.817	117	84041	20.354	ug/l	95
39) Methylcyclohexane	9.109	83	112902	21.067	ug/l	99
40) Benzene	8.079	78	245775	20.784	ug/l	99

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41) Methacrylonitrile	7.220	41	26058m	20.468	ug/l	
42) 1,2-Dichloroethane	8.158	62	65234	20.399	ug/l	100
43) Isopropyl Acetate	8.195	43	82723	19.763	ug/l #	88
44) Trichloroethene	8.866	130	60548	20.593	ug/l	100
45) 1,2-Dichloropropane	9.140	63	58205	20.416	ug/l	96
46) Dibromomethane	9.231	93	31296	20.353	ug/l	99
47) Bromodichloromethane	9.420	83	83066	20.823	ug/l	99
48) Methyl methacrylate	9.219	41	38763	19.803	ug/l	98
49) 1,4-Dioxane	9.231	88	6813	392.199	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	201472	98.097	ug/l	99
52) Toluene	10.170	92	150777	20.135	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	77444	19.893	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	91983	20.623	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	39755	20.190	ug/l	98
56) Ethyl methacrylate	10.438	69	60445	19.707	ug/l	99
57) 1,3-Dichloropropane	10.713	76	70964	20.284	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	124088	90.134	ug/l	100
59) 2-Hexanone	10.762	43	132798	96.437	ug/l	98
60) Dibromochloromethane	10.908	129	52808	20.662	ug/l	98
61) 1,2-Dibromoethane	11.012	107	36868	20.089	ug/l	100
64) Tetrachloroethene	10.646	164	63391	19.886	ug/l	98
65) Chlorobenzene	11.438	112	157927	20.297	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	52751	19.721	ug/l	99
67) Ethyl Benzene	11.518	91	292819	20.095	ug/l	98
68) m/p-Xylenes	11.627	106	218261	39.750	ug/l	99
69) o-Xylene	11.950	106	103620	19.946	ug/l	99
70) Styrene	11.969	104	173798	19.833	ug/l	99
71) Bromoform	12.127	173	28611	19.817	ug/l #	99
73) Isopropylbenzene	12.255	105	272938	20.157	ug/l	100
74) N-amyl acetate	12.066	43	75451	19.483	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	41948	20.143	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	33194m	20.046	ug/l	
77) Bromobenzene	12.530	156	56683	19.600	ug/l	96
78) n-propylbenzene	12.590	91	336430	20.598	ug/l	99
79) 2-Chlorotoluene	12.676	91	177870	19.817	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	217065	19.858	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	15228	18.629	ug/l	99
82) 4-Chlorotoluene	12.779	91	184041	19.935	ug/l	100
83) tert-Butylbenzene	12.993	119	197455	20.324	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	216888	19.988	ug/l	99
85) sec-Butylbenzene	13.176	105	292767	20.300	ug/l	99
86) p-Isopropyltoluene	13.292	119	241434	19.905	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	115782	19.611	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	113146	19.924	ug/l	100
89) n-Butylbenzene	13.615	91	233741	20.370	ug/l	99
90) Hexachloroethane	13.877	117	49361	20.160	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	97586	19.678	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6960	20.726	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	56627	19.768	ug/l	99
94) Hexachlorobutadiene	15.023	225	32198	20.155	ug/l	97
95) Naphthalene	15.145	128	102697	18.892	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	47086	19.376	ug/l	99

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

