

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022236.D
 Acq On : 13 May 2025 12:04
 Operator : SY/MD
 Sample : VY0513SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0513SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/14/2025
 Supervised By :Semsettin Yesilyurt 05/15/2025

Quant Time: May 14 04:34:28 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	210051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	325473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	293284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	157507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	103135	53.157	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.320%			
35) Dibromofluoromethane	7.634	113	114975	53.471	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.940%			
50) Toluene-d8	10.103	98	427429	52.727	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.460%			
62) 4-Bromofluorobenzene	12.402	95	140724	51.567	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	35608	19.895	ug/l	94
3) Chloromethane	2.062	50	58967	23.138	ug/l	100
4) Vinyl Chloride	2.202	62	72458	23.136	ug/l	95
5) Bromomethane	2.586	94	59981	22.230	ug/l	100
6) Chloroethane	2.726	64	48225	22.610	ug/l	96
7) Trichlorofluoromethane	3.056	101	90319	21.870	ug/l	94
8) Diethyl Ether	3.452	74	22498	20.931	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.812	101	49273	21.994	ug/l	100
10) Methyl Iodide	4.001	142	54930	21.178	ug/l	99
11) Tert butyl alcohol	4.866	59	11762	110.425	ug/l	96
12) 1,1-Dichloroethene	3.787	96	44845	21.476	ug/l	97
13) Acrolein	3.653	56	7269	38.023	ug/l	95
14) Allyl chloride	4.385	41	53779	22.119	ug/l	97
15) Acrylonitrile	5.061	53	44279	112.525	ug/l	99
16) Acetone	3.873	43	30766	109.109	ug/l	92
17) Carbon Disulfide	4.104	76	134768	20.242	ug/l	99
18) Methyl Acetate	4.391	43	24436	26.962	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	101248	21.664	ug/l	98
20) Methylene Chloride	4.616	84	54949	22.398	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	50228	21.478	ug/l	95
22) Diisopropyl ether	6.012	45	124604	23.029	ug/l	93
23) Vinyl Acetate	5.964	43	317070	108.732	ug/l	97
24) 1,1-Dichloroethane	5.915	63	83879	22.364	ug/l	98
25) 2-Butanone	6.896	43	48889	110.543	ug/l	95
26) 2,2-Dichloropropane	6.884	77	71384	21.716	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	54978	21.025	ug/l	97
28) Bromochloromethane	7.244	49	32478	22.294	ug/l	96
29) Tetrahydrofuran	7.262	42	32154	111.941	ug/l	98
30) Chloroform	7.421	83	93491	22.473	ug/l	100
31) Cyclohexane	7.695	56	68383	21.321	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	83001	22.052	ug/l	98
36) 1,1-Dichloropropene	7.835	75	62939	21.791	ug/l	100
37) Ethyl Acetate	6.982	43	21331	20.563	ug/l #	96
38) Carbon Tetrachloride	7.811	117	77784	22.537	ug/l	96
39) Methylcyclohexane	9.109	83	75608	20.801	ug/l	98
40) Benzene	8.079	78	199354	22.080	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	13133	23.159	ug/l #	78
42) 1,2-Dichloroethane	8.158	62	51020	22.823	ug/l	99
43) Isopropyl Acetate	8.195	43	46044	23.113	ug/l	97
44) Trichloroethene	8.859	130	54762	21.897	ug/l	93
45) 1,2-Dichloropropane	9.140	63	46014	23.045	ug/l	99
46) Dibromomethane	9.225	93	28006	22.406	ug/l	97
47) Bromodichloromethane	9.420	83	71382	22.861	ug/l	96
48) Methyl methacrylate	9.219	41	20723	22.502	ug/l	99
49) 1,4-Dioxane	9.231	88	5664	425.160	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	121954	116.779	ug/l	97
52) Toluene	10.170	92	129313	22.126	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	58909	21.995	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	69831	21.934	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	38195	22.877	ug/l	98
56) Ethyl methacrylate	10.438	69	38995	20.424	ug/l	96
57) 1,3-Dichloropropane	10.713	76	60836	22.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	99434	106.516	ug/l	99
59) 2-Hexanone	10.762	43	78353	113.751	ug/l	97
60) Dibromochloromethane	10.908	129	51680	22.357	ug/l	99
61) 1,2-Dibromoethane	11.012	107	35590	22.580	ug/l	99
64) Tetrachloroethene	10.646	164	58780	21.245	ug/l	98
65) Chlorobenzene	11.438	112	145326	22.158	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	53317	23.091	ug/l	97
67) Ethyl Benzene	11.518	91	228463	21.294	ug/l	98
68) m/p-Xylenes	11.627	106	187089	43.823	ug/l	100
69) o-Xylene	11.956	106	84788	21.548	ug/l	100
70) Styrene	11.969	104	140898	21.326	ug/l	97
71) Bromoform	12.127	173	29607	22.055	ug/l #	96
73) Isopropylbenzene	12.255	105	221429	21.042	ug/l	100
74) N-amyl acetate	12.066	43	38828	21.476	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40697	22.939	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	28806m	21.352	ug/l	
77) Bromobenzene	12.530	156	57556	21.645	ug/l	100
78) n-propylbenzene	12.591	91	273749	21.844	ug/l	100
79) 2-Chlorotoluene	12.676	91	159805	21.927	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	188225	21.709	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	12385	22.107	ug/l	99
82) 4-Chlorotoluene	12.773	91	164675	21.736	ug/l	100
83) tert-Butylbenzene	12.993	119	168268	21.639	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	189466	21.847	ug/l	100
85) sec-Butylbenzene	13.176	105	247876	21.784	ug/l	99
86) p-Isopropyltoluene	13.292	119	207446	21.470	ug/l	98
87) 1,3-Dichlorobenzene	13.286	146	116791	21.626	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	115637	21.620	ug/l	98
89) n-Butylbenzene	13.615	91	180433	20.892	ug/l	99
90) Hexachloroethane	13.877	117	46877	22.082	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	102517	21.764	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	6230	22.071	ug/l	85
93) 1,2,4-Trichlorobenzene	14.919	180	53947	20.211	ug/l	98
94) Hexachlorobutadiene	15.023	225	35157	21.407	ug/l	98
95) Naphthalene	15.145	128	83951	18.933	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	46637	20.241	ug/l	100

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

