

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031425\
 Data File : VY021533.D
 Acq On : 14 Mar 2025 12:13
 Operator : SY/MD
 Sample : VY0314SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0314SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/17/2025
 Supervised By :Semsettin Yesilyurt 03/17/2025

Quant Time: Mar 15 02:00:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	191852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	294233	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	263379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	139875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114086	56.262	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.520%			
35) Dibromofluoromethane	7.628	113	108705	56.206	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.420%			
50) Toluene-d8	10.103	98	401176	54.784	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.560%			
62) 4-Bromofluorobenzene	12.401	95	138807	55.725	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	37641	21.380	ug/l	98
3) Chloromethane	2.068	50	56288	22.677	ug/l	97
4) Vinyl Chloride	2.202	62	64490	23.775	ug/l	98
5) Bromomethane	2.586	94	43906	22.396	ug/l	98
6) Chloroethane	2.732	64	45240	25.238	ug/l	92
7) Trichlorofluoromethane	3.050	101	97237	25.683	ug/l	98
8) Diethyl Ether	3.452	74	23879	22.759	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	48228	22.311	ug/l	99
10) Methyl Iodide	4.001	142	47253	21.505	ug/l	99
11) Tert butyl alcohol	4.848	59	18532	129.723	ug/l	99
12) 1,1-Dichloroethene	3.781	96	41046	20.828	ug/l	96
13) Acrolein	3.647	56	13036	126.392	ug/l	95
14) Allyl chloride	4.379	41	68531	21.518	ug/l	99
15) Acrylonitrile	5.055	53	54481	121.979	ug/l	98
16) Acetone	3.866	43	48672	110.050	ug/l	94
17) Carbon Disulfide	4.098	76	123142	19.938	ug/l	100
18) Methyl Acetate	4.385	43	23658	24.108	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	110982	22.219	ug/l	96
20) Methylene Chloride	4.616	84	51523	22.193	ug/l	91
21) trans-1,2-Dichloroethene	5.110	96	47301	21.432	ug/l	93
22) Diisopropyl ether	6.018	45	154634	22.530	ug/l	99
23) Vinyl Acetate	5.958	43	447911	114.348	ug/l	98
24) 1,1-Dichloroethane	5.909	63	90227	22.274	ug/l	99
25) 2-Butanone	6.890	43	71139	116.279	ug/l	94
26) 2,2-Dichloropropane	6.884	77	77575	20.813	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	55483	22.129	ug/l	97
28) Bromochloromethane	7.244	49	36066	21.237	ug/l	96
29) Tetrahydrofuran	7.256	42	44297	117.283	ug/l	99
30) Chloroform	7.415	83	94900	22.561	ug/l	99
31) Cyclohexane	7.695	56	76736	20.206	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	85031	22.077	ug/l	99
36) 1,1-Dichloropropene	7.829	75	65384	21.598	ug/l	100
37) Ethyl Acetate	6.982	43	31118	23.256	ug/l	97
38) Carbon Tetrachloride	7.811	117	78113	22.435	ug/l	99
39) Methylcyclohexane	9.103	83	75497	20.331	ug/l	96
40) Benzene	8.073	78	198305	22.237	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	15244m	20.923	ug/l	
42) 1,2-Dichloroethane	8.152	62	59018	23.656	ug/l	100
43) Isopropyl Acetate	8.195	43	61976	23.860	ug/l #	87
44) Trichloroethene	8.859	130	49610	22.014	ug/l	93
45) 1,2-Dichloropropane	9.140	63	48132	22.677	ug/l	100
46) Dibromomethane	9.231	93	27548	23.327	ug/l	100
47) Bromodichloromethane	9.420	83	72124	22.997	ug/l	97
48) Methyl methacrylate	9.219	41	27399	22.971	ug/l	99
49) 1,4-Dioxane	9.225	88	5861	505.624	ug/l #	94
51) 4-Methyl-2-Pentanone	9.993	43	162270	121.076	ug/l	98
52) Toluene	10.170	92	123911	22.039	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	63542	22.996	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	73877	22.520	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	37674	24.387	ug/l	97
56) Ethyl methacrylate	10.438	69	44911	22.795	ug/l	99
57) 1,3-Dichloropropane	10.713	76	61970	23.145	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	92815	102.051	ug/l	100
59) 2-Hexanone	10.755	43	107327	121.110	ug/l	96
60) Dibromochloromethane	10.908	129	49470	23.359	ug/l	100
61) 1,2-Dibromoethane	11.012	107	34233	23.480	ug/l	99
64) Tetrachloroethene	10.646	164	54385	25.393	ug/l	99
65) Chlorobenzene	11.438	112	138056	22.197	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	49631	22.571	ug/l	98
67) Ethyl Benzene	11.518	91	232315	21.281	ug/l	99
68) m/p-Xylenes	11.627	106	179031	43.197	ug/l	99
69) o-Xylene	11.950	106	83006	21.731	ug/l	100
70) Styrene	11.969	104	141660	22.355	ug/l	99
71) Bromoform	12.133	173	28365	23.076	ug/l #	99
73) Isopropylbenzene	12.255	105	223880	20.319	ug/l	99
74) N-amyl acetate	12.066	43	52309	21.860	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	40756	20.961	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	29668m	21.049	ug/l	
77) Bromobenzene	12.530	156	53670	20.821	ug/l	99
78) n-propylbenzene	12.590	91	279766	20.907	ug/l	99
79) 2-Chlorotoluene	12.676	91	159673	20.868	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	185228	20.686	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12460	20.096	ug/l	97
82) 4-Chlorotoluene	12.773	91	166186	20.975	ug/l	100
83) tert-Butylbenzene	12.993	119	165720	20.746	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	185695	20.887	ug/l	100
85) sec-Butylbenzene	13.176	105	245955	20.695	ug/l	99
86) p-Isopropyltoluene	13.292	119	204282	20.864	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	107663	20.982	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	106571	21.237	ug/l	98
89) n-Butylbenzene	13.615	91	189834	20.996	ug/l	100
90) Hexachloroethane	13.877	117	43363	20.760	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	95474	21.710	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6646	22.818	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	52609	21.901	ug/l	99
94) Hexachlorobutadiene	15.023	225	33812	22.455	ug/l	100
95) Naphthalene	15.145	128	82933	22.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	45694	22.618	ug/l	99

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

