

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021476.D
 Acq On : 11 Mar 2025 11:03
 Operator : SY/MD
 Sample : VY0311SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/12/2025
 Supervised By :Mahesh Dadoda 03/12/2025

Quant Time: Mar 12 01:23:14 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	225793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	350967	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	312829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	162394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	125150	52.441	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.880%			
35) Dibromofluoromethane	7.634	113	122087	52.921	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.840%			
50) Toluene-d8	10.103	98	456082	52.214	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.420%			
62) 4-Bromofluorobenzene	12.407	95	155886	52.465	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	36522	17.626	ug/l	98
3) Chloromethane	2.068	50	57141	19.560	ug/l	98
4) Vinyl Chloride	2.202	62	63319	19.835	ug/l	96
5) Bromomethane	2.586	94	44828	19.429	ug/l	96
6) Chloroethane	2.732	64	45130	21.392	ug/l	98
7) Trichlorofluoromethane	3.049	101	92591	20.780	ug/l	98
8) Diethyl Ether	3.452	74	21657	17.538	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	44702	17.571	ug/l	97
10) Methyl Iodide	4.000	142	49215	19.031	ug/l	99
11) Tert butyl alcohol	4.848	59	14756	79.754	ug/l #	72
12) 1,1-Dichloroethene	3.781	96	41993	18.105	ug/l	93
13) Acrolein	3.653	56	14894	122.699	ug/l	92
14) Allyl chloride	4.378	41	67368	17.973	ug/l	99
15) Acrylonitrile	5.055	53	47717	90.776	ug/l	98
16) Acetone	3.860	43	60913	117.024	ug/l	93
17) Carbon Disulfide	4.098	76	128022	17.612	ug/l	100
18) Methyl Acetate	4.385	43	21593	18.696	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	101276	17.228	ug/l	97
20) Methylene Chloride	4.610	84	49393	18.077	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	46396	17.862	ug/l	98
22) Diisopropyl ether	6.018	45	149058	18.453	ug/l	94
23) Vinyl Acetate	5.957	43	402758	87.365	ug/l	99
24) 1,1-Dichloroethane	5.909	63	88873	18.641	ug/l	99
25) 2-Butanone	6.884	43	71454	99.237	ug/l	95
26) 2,2-Dichloropropane	6.878	77	79429	18.107	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	53763	18.219	ug/l	99
28) Bromochloromethane	7.238	49	39070	19.547	ug/l	99
29) Tetrahydrofuran	7.262	42	38712	87.089	ug/l	99
30) Chloroform	7.414	83	94319	19.052	ug/l	92
31) Cyclohexane	7.695	56	74535	16.676	ug/l	93
32) 1,1,1-Trichloroethane	7.610	97	83652	18.454	ug/l	99
36) 1,1-Dichloropropene	7.829	75	64167	17.769	ug/l	98
37) Ethyl Acetate	6.975	43	28552	17.889	ug/l	97
38) Carbon Tetrachloride	7.811	117	74788	18.008	ug/l	99
39) Methylcyclohexane	9.109	83	74823	16.892	ug/l	98
40) Benzene	8.073	78	194135	18.250	ug/l	97

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41) Methacrylonitrile	7.213	41	15407m	17.728	ug/l	
42) 1,2-Dichloroethane	8.152	62	53330	17.921	ug/l	98
43) Isopropyl Acetate	8.195	43	53006	17.108	ug/l #	89
44) Trichloroethene	8.865	130	49991	18.597	ug/l	100
45) 1,2-Dichloropropane	9.140	63	46136	18.223	ug/l	97
46) Dibromomethane	9.225	93	26271	18.649	ug/l	100
47) Bromodichloromethane	9.420	83	69491	18.575	ug/l	100
48) Methyl methacrylate	9.219	41	24238	17.036	ug/l	98
49) 1,4-Dioxane	9.219	88	5395	390.187	ug/l #	95
51) 4-Methyl-2-Pentanone	9.999	43	140438	87.848	ug/l	98
52) Toluene	10.170	92	122381	18.248	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	59746	18.127	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	70322	17.971	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	33841	18.365	ug/l	96
56) Ethyl methacrylate	10.438	69	40054	17.044	ug/l	99
57) 1,3-Dichloropropane	10.719	76	57273	17.933	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	99189	91.430	ug/l	98
59) 2-Hexanone	10.761	43	103124	97.556	ug/l	99
60) Dibromochloromethane	10.908	129	45567	18.038	ug/l	99
61) 1,2-Dibromoethane	11.011	107	31157	17.915	ug/l	99
64) Tetrachloroethene	10.646	164	49633	19.511	ug/l	95
65) Chlorobenzene	11.438	112	132210	17.897	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	47893	18.337	ug/l	99
67) Ethyl Benzene	11.517	91	226668	17.481	ug/l	98
68) m/p-Xylenes	11.627	106	177439	36.046	ug/l	100
69) o-Xylene	11.956	106	79371	17.495	ug/l	98
70) Styrene	11.969	104	133951	17.797	ug/l	99
71) Bromoform	12.133	173	25988	17.800	ug/l #	97
73) Isopropylbenzene	12.255	105	218412	17.074	ug/l	99
74) N-amyl acetate	12.072	43	44220	15.917	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	37463	16.596	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	32127m	19.633	ug/l	
77) Bromobenzene	12.535	156	52645	17.591	ug/l	97
78) n-propylbenzene	12.596	91	266301	17.141	ug/l	99
79) 2-Chlorotoluene	12.682	91	154633	17.407	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	183525	17.654	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11100	15.420	ug/l	98
82) 4-Chlorotoluene	12.779	91	163638	17.789	ug/l	100
83) tert-Butylbenzene	12.999	119	159271	17.174	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	179459	17.387	ug/l	99
85) sec-Butylbenzene	13.176	105	236192	17.117	ug/l	100
86) p-Isopropyltoluene	13.291	119	197171	17.345	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	104308	17.510	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	103420	17.751	ug/l	99
89) n-Butylbenzene	13.621	91	182353	17.372	ug/l	99
90) Hexachloroethane	13.883	117	41489	17.108	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	90389	17.703	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5802	17.158	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	50841	18.230	ug/l	99
94) Hexachlorobutadiene	15.023	225	32185	18.411	ug/l	98
95) Naphthalene	15.145	128	73881	17.695	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	42109	17.953	ug/l	98

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

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