

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031425\
 Data File : VY021532.D
 Acq On : 14 Mar 2025 11:51
 Operator : SY/MD
 Sample : VY0314SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 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 01:59:51 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	196581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	305463	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	272403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	143203	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	105031	50.551	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.100%	
35) Dibromofluoromethane	7.628	113	98612	49.113	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.220%	
50) Toluene-d8	10.103	98	370924	48.791	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.580%	
62) 4-Bromofluorobenzene	12.401	95	126408	48.881	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.760%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	31437	17.427	ug/l	98
3) Chloromethane	2.068	50	49561	19.487	ug/l	98
4) Vinyl Chloride	2.202	62	56713	20.405	ug/l	97
5) Bromomethane	2.586	94	41810	20.814	ug/l	91
6) Chloroethane	2.726	64	40566	22.086	ug/l	97
7) Trichlorofluoromethane	3.049	101	81678	21.055	ug/l	97
8) Diethyl Ether	3.452	74	20910	19.450	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	42312	19.104	ug/l	99
10) Methyl Iodide	3.994	142	39761	17.660	ug/l	98
11) Tert butyl alcohol	4.866	59	15118	98.230	ug/l	98
12) 1,1-Dichloroethene	3.787	96	37746	18.693	ug/l	96
13) Acrolein	3.647	56	12453	117.835	ug/l	96
14) Allyl chloride	4.372	41	61477	18.839	ug/l	99
15) Acrylonitrile	5.049	53	48397	105.751	ug/l	96
16) Acetone	3.866	43	46804	103.280	ug/l	95
17) Carbon Disulfide	4.098	76	110973	17.536	ug/l	98
18) Methyl Acetate	4.378	43	20643	20.530	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	96335	18.822	ug/l	98
20) Methylene Chloride	4.610	84	47581	20.002	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	41838	18.500	ug/l	91
22) Diisopropyl ether	6.018	45	138288	19.663	ug/l	98
23) Vinyl Acetate	5.957	43	388205	96.722	ug/l	99
24) 1,1-Dichloroethane	5.909	63	79245	19.092	ug/l	98
25) 2-Butanone	6.890	43	63132	100.709	ug/l	100
26) 2,2-Dichloropropane	6.878	77	70387	18.430	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	48517	18.885	ug/l	100
28) Bromochloromethane	7.244	49	32074	18.432	ug/l	98
29) Tetrahydrofuran	7.256	42	39115	101.072	ug/l	98
30) Chloroform	7.414	83	85292	19.789	ug/l	96
31) Cyclohexane	7.695	56	67639	17.382	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	75935	19.241	ug/l	99
36) 1,1-Dichloropropene	7.829	75	60222	19.161	ug/l	97
37) Ethyl Acetate	6.982	43	27694	19.936	ug/l	99
38) Carbon Tetrachloride	7.817	117	68737	19.016	ug/l	97
39) Methylcyclohexane	9.109	83	67344	17.469	ug/l	97
40) Benzene	8.079	78	177072	19.126	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	14758m	19.511	ug/l	
42) 1,2-Dichloroethane	8.158	62	51090	19.725	ug/l	98
43) Isopropyl Acetate	8.195	43	52418	19.438	ug/l	98
44) Trichloroethene	8.865	130	44643	19.082	ug/l	98
45) 1,2-Dichloropropane	9.134	63	42758	19.405	ug/l	99
46) Dibromomethane	9.225	93	25026	20.412	ug/l	98
47) Bromodichloromethane	9.420	83	65402	20.087	ug/l	100
48) Methyl methacrylate	9.219	41	24727	19.969	ug/l	97
49) 1,4-Dioxane	9.225	88	5389	447.814	ug/l #	88
51) 4-Methyl-2-Pentanone	9.999	43	138064	99.228	ug/l	99
52) Toluene	10.170	92	110414	18.916	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	55951	19.505	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	63049	18.512	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	31849	19.859	ug/l	98
56) Ethyl methacrylate	10.438	69	38817	18.978	ug/l	98
57) 1,3-Dichloropropane	10.719	76	55133	19.835	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	89652	94.950	ug/l	98
59) 2-Hexanone	10.761	43	92640	100.694	ug/l	99
60) Dibromochloromethane	10.908	129	43491	19.780	ug/l	98
61) 1,2-Dibromoethane	11.011	107	29819	19.700	ug/l	98
64) Tetrachloroethene	10.646	164	49566	22.377	ug/l	97
65) Chlorobenzene	11.438	112	120387	18.715	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	42304	18.601	ug/l	97
67) Ethyl Benzene	11.517	91	203370	18.012	ug/l	100
68) m/p-Xylenes	11.627	106	161897	37.769	ug/l	99
69) o-Xylene	11.956	106	72103	18.251	ug/l	99
70) Styrene	11.969	104	124485	18.994	ug/l	99
71) Bromoform	12.133	173	24921	19.602	ug/l #	97
73) Isopropylbenzene	12.255	105	195778	17.355	ug/l	100
74) N-amyl acetate	12.072	43	43992	17.957	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36082	18.126	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	28287m	19.602	ug/l	
77) Bromobenzene	12.529	156	48334	18.315	ug/l	98
78) n-propylbenzene	12.596	91	244464	17.844	ug/l	99
79) 2-Chlorotoluene	12.676	91	140207	17.898	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	166610	18.175	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	11145	17.557	ug/l	99
82) 4-Chlorotoluene	12.779	91	148383	18.292	ug/l	100
83) tert-Butylbenzene	12.999	119	144859	17.713	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	166145	18.254	ug/l	99
85) sec-Butylbenzene	13.176	105	217856	17.904	ug/l	99
86) p-Isopropyltoluene	13.291	119	180441	18.000	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	96089	18.292	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	93153	18.132	ug/l	99
89) n-Butylbenzene	13.615	91	166837	18.024	ug/l	99
90) Hexachloroethane	13.883	117	39721	18.574	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	85362	18.959	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5715	19.166	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	46108	18.749	ug/l	99
94) Hexachlorobutadiene	15.023	225	28813	18.691	ug/l	97
95) Naphthalene	15.145	128	68532	18.509	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	38523	18.625	ug/l	99

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

