

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022383.D
 Acq On : 22 May 2025 09:59
 Operator : SY/MD
 Sample : VY0522SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0522SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:32:55 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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	165702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	283052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	236945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	112772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	91305	50.418	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.840%			
35) Dibromofluoromethane	7.640	113	86124	50.978	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.960%			
50) Toluene-d8	10.115	98	344960	49.856	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.720%			
62) 4-Bromofluorobenzene	12.413	95	103227	47.068	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.140%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.866	85	34872	20.169	ug/l	98
3) Chloromethane	2.068	50	84322	23.184	ug/l	98
4) Vinyl Chloride	2.208	62	103245	25.408	ug/l	96
5) Bromomethane	2.598	94	110601	33.435	ug/l	100
6) Chloroethane	2.738	64	71548	28.302	ug/l	97
7) Trichlorofluoromethane	3.055	101	86964	21.138	ug/l	98
8) Diethyl Ether	3.464	74	20593	20.857	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.823	101	38058	21.308	ug/l	99
10) Methyl Iodide	4.006	142	40873	19.772	ug/l	99
11) Tert butyl alcohol	4.884	59	14857	107.432	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	36929	20.835	ug/l	85
13) Acrolein	3.659	56	11544	57.100	ug/l	90
14) Allyl chloride	4.384	41	56854	18.294	ug/l	94
15) Acrylonitrile	5.073	53	42184	103.689	ug/l	98
16) Acetone	3.884	43	31709	93.380	ug/l	94
17) Carbon Disulfide	4.116	76	114095	19.740	ug/l	99
18) Methyl Acetate	4.396	43	20711	19.345	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	102955	21.066	ug/l	95
20) Methylene Chloride	4.622	84	41710	19.009	ug/l	92
21) trans-1,2-Dichloroethene	5.122	96	39375	20.126	ug/l	92
22) Diisopropyl ether	6.030	45	125231	19.081	ug/l	94
23) Vinyl Acetate	5.969	43	381544	96.228	ug/l	95
24) 1,1-Dichloroethane	5.927	63	74250	20.250	ug/l	99
25) 2-Butanone	6.908	43	55203	97.189	ug/l	100
26) 2,2-Dichloropropane	6.896	77	65151	19.977	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	46809	20.734	ug/l	96
28) Bromochloromethane	7.256	49	31798	20.331	ug/l	99
29) Tetrahydrofuran	7.268	42	37375	102.279	ug/l	92
30) Chloroform	7.432	83	72756	20.687	ug/l	99
31) Cyclohexane	7.713	56	69034	18.844	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	66078	20.479	ug/l	99
36) 1,1-Dichloropropene	7.847	75	54364	19.537	ug/l	98
37) Ethyl Acetate	6.994	43	27223	20.333	ug/l	97
38) Carbon Tetrachloride	7.823	117	56279	19.539	ug/l	97
39) Methylcyclohexane	9.115	83	73130	19.561	ug/l	93
40) Benzene	8.091	78	166008	20.124	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	13388	15.074	ug/l #	75
42) 1,2-Dichloroethane	8.164	62	45353	20.330	ug/l	100
43) Isopropyl Acetate	8.207	43	55775	19.101	ug/l	98
44) Trichloroethene	8.871	130	41551	20.257	ug/l	98
45) 1,2-Dichloropropane	9.146	63	39131	19.675	ug/l	98
46) Dibromomethane	9.237	93	22317	20.805	ug/l	97
47) Bromodichloromethane	9.432	83	55379	19.900	ug/l	96
48) Methyl methacrylate	9.231	41	24767	18.137	ug/l	93
49) 1,4-Dioxane	9.237	88	5070	418.379	ug/l	93
51) 4-Methyl-2-Pentanone	10.005	43	139840	97.604	ug/l	97
52) Toluene	10.176	92	101209	19.375	ug/l	99
53) t-1,3-Dichloropropene	10.401	75	52641	19.383	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	61287	19.697	ug/l	96
55) 1,1,2-Trichloroethane	10.578	97	28589	20.813	ug/l	97
56) Ethyl methacrylate	10.444	69	42404	19.818	ug/l	94
57) 1,3-Dichloropropane	10.725	76	50499	20.692	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	83817	87.274	ug/l	97
59) 2-Hexanone	10.767	43	91893	95.660	ug/l	96
60) Dibromochloromethane	10.920	129	36293	20.356	ug/l	99
61) 1,2-Dibromoethane	11.017	107	25923	20.248	ug/l	100
64) Tetrachloroethene	10.651	164	45749	20.889	ug/l	97
65) Chlorobenzene	11.450	112	108867	20.365	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.523	131	36887	20.072	ug/l	99
67) Ethyl Benzene	11.523	91	196186	19.596	ug/l	99
68) m/p-Xylenes	11.633	106	149849	39.722	ug/l	96
69) o-Xylene	11.956	106	70807	19.838	ug/l	96
70) Styrene	11.974	104	119807	19.899	ug/l	97
71) Bromoform	12.133	173	20642	20.810	ug/l #	97
73) Isopropylbenzene	12.261	105	184158	19.712	ug/l	100
74) N-amyl acetate	12.072	43	50559	18.922	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	30272	21.069	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	23203m	20.309	ug/l	
77) Bromobenzene	12.535	156	39924	20.008	ug/l	99
78) n-propylbenzene	12.602	91	222841	19.775	ug/l	100
79) 2-Chlorotoluene	12.682	91	120348	19.434	ug/l	98
80) 1,3,5-Trimethylbenzene	12.742	105	148179	19.648	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	11117	19.711	ug/l	95
82) 4-Chlorotoluene	12.779	91	122004	19.154	ug/l	96
83) tert-Butylbenzene	12.999	119	135145	20.161	ug/l	96
84) 1,2,4-Trimethylbenzene	13.047	105	146449	19.562	ug/l	98
85) sec-Butylbenzene	13.181	105	198914	19.991	ug/l	99
86) p-Isopropyltoluene	13.297	119	162649	19.435	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	80601	19.787	ug/l	98
88) 1,4-Dichlorobenzene	13.370	146	78462	20.025	ug/l	99
89) n-Butylbenzene	13.620	91	155438	19.633	ug/l	100
90) Hexachloroethane	13.883	117	33072	19.577	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	69239	20.236	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4955	21.386	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	39517	19.994	ug/l	97
94) Hexachlorobutadiene	15.029	225	20733	18.811	ug/l	99
95) Naphthalene	15.144	128	76999	20.530	ug/l	100
96) 1,2,3-Trichlorobenzene	15.333	180	34249	20.427	ug/l	97

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

