

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021323.D
 Acq On : 26 Feb 2025 11:44
 Operator : SY/MD
 Sample : VY0226SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0226SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 00:36:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	186200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	292071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	258744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	129829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102341	48.451	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.900%		
35) Dibromofluoromethane	7.634	113	94057	49.120	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.240%		
50) Toluene-d8	10.103	98	369458	49.924	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.840%		
62) 4-Bromofluorobenzene	12.408	95	125203	50.271	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	33929	19.219	ug/l	98
3) Chloromethane	2.068	50	44643	19.581	ug/l	94
4) Vinyl Chloride	2.202	62	43431	19.408	ug/l	95
5) Bromomethane	2.586	94	28875	19.417	ug/l	91
6) Chloroethane	2.732	64	27157	19.569	ug/l	98
7) Trichlorofluoromethane	3.056	101	64725	19.152	ug/l	98
8) Diethyl Ether	3.452	74	19301	19.028	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	39047	19.956	ug/l	99
10) Methyl Iodide	4.000	142	38731	18.815	ug/l	99
11) Tert butyl alcohol	4.848	59	15317	94.274	ug/l	97
12) 1,1-Dichloroethene	3.787	96	35945	19.186	ug/l	98
13) Acrolein	3.647	56	22337	179.408	ug/l	96
14) Allyl chloride	4.385	41	64619	19.454	ug/l	99
15) Acrylonitrile	5.049	53	42848	95.540	ug/l	99
16) Acetone	3.866	43	36994	91.302	ug/l	96
17) Carbon Disulfide	4.104	76	119697	19.240	ug/l	99
18) Methyl Acetate	4.378	43	19000	19.188	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	96512	19.498	ug/l	98
20) Methylene Chloride	4.616	84	41428	18.908	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	39986	19.387	ug/l	97
22) Diisopropyl ether	6.018	45	136570	19.868	ug/l	97
23) Vinyl Acetate	5.957	43	400683	97.548	ug/l	98
24) 1,1-Dichloroethane	5.915	63	75455	19.476	ug/l	100
25) 2-Butanone	6.896	43	57737	94.416	ug/l	100
26) 2,2-Dichloropropane	6.884	77	67846	19.300	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	46880	19.905	ug/l	98
28) Bromochloromethane	7.238	49	34082	19.882	ug/l	99
29) Tetrahydrofuran	7.262	42	39639	99.167	ug/l	97
30) Chloroform	7.421	83	76696	19.537	ug/l	98
31) Cyclohexane	7.701	56	71145	19.104	ug/l #	94
32) 1,1,1-Trichloroethane	7.610	97	68700	19.226	ug/l	99
36) 1,1-Dichloropropene	7.835	75	57651	20.043	ug/l	99
37) Ethyl Acetate	6.982	43	28136	19.665	ug/l	100
38) Carbon Tetrachloride	7.817	117	63336	19.587	ug/l	99
39) Methylcyclohexane	9.109	83	71099	19.543	ug/l	99
40) Benzene	8.079	78	169384	19.922	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	16363	20.455	ug/l #	73
42) 1,2-Dichloroethane	8.158	62	47566	19.718	ug/l	100
43) Isopropyl Acetate	8.195	43	54330	19.618	ug/l	99
44) Trichloroethene	8.865	130	41805	19.638	ug/l	97
45) 1,2-Dichloropropane	9.140	63	40089	19.592	ug/l	99
46) Dibromomethane	9.231	93	21727	19.425	ug/l	100
47) Bromodichloromethane	9.420	83	58116	19.487	ug/l	100
48) Methyl methacrylate	9.219	41	23787	18.368	ug/l	94
49) 1,4-Dioxane	9.225	88	4464	358.943	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	138572	97.751	ug/l	99
52) Toluene	10.170	92	104255	19.738	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	53978	19.755	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	62124	19.260	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	28227	19.373	ug/l	96
56) Ethyl methacrylate	10.438	69	39319	19.530	ug/l	99
57) 1,3-Dichloropropane	10.713	76	51397	20.102	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	90024	93.158	ug/l	100
59) 2-Hexanone	10.761	43	89865	96.524	ug/l	99
60) Dibromochloromethane	10.914	129	39272	19.790	ug/l	98
61) 1,2-Dibromoethane	11.018	107	26713	19.365	ug/l	96
64) Tetrachloroethene	10.646	164	38493	19.682	ug/l	99
65) Chlorobenzene	11.444	112	113821	19.597	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	39353	19.350	ug/l	98
67) Ethyl Benzene	11.517	91	197780	19.225	ug/l	100
68) m/p-Xylenes	11.627	106	149341	38.593	ug/l	98
69) o-Xylene	11.956	106	70486	19.444	ug/l	99
70) Styrene	11.969	104	119367	19.791	ug/l	99
71) Bromoform	12.133	173	22170	19.055	ug/l #	100
73) Isopropylbenzene	12.255	105	192163	19.688	ug/l	99
74) N-amyl acetate	12.072	43	47929	19.319	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	33436	19.410	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	19345m	14.886	ug/l	
77) Bromobenzene	12.529	156	44137	19.442	ug/l	99
78) n-propylbenzene	12.596	91	231519	19.547	ug/l	100
79) 2-Chlorotoluene	12.682	91	132259	19.457	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	157749	19.706	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	10784	18.445	ug/l	95
82) 4-Chlorotoluene	12.779	91	136654	19.394	ug/l	100
83) tert-Butylbenzene	12.999	119	139478	19.288	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	156482	19.655	ug/l	100
85) sec-Butylbenzene	13.176	105	207160	19.613	ug/l	99
86) p-Isopropyltoluene	13.291	119	172280	19.534	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	88325	19.668	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	87772	19.784	ug/l	99
89) n-Butylbenzene	13.621	91	162070	19.527	ug/l	100
90) Hexachloroethane	13.883	117	35761	19.411	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	76555	19.457	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4895	17.963	ug/l	95
93) 1,2,4-Trichlorobenzene	14.925	180	45740	19.047	ug/l	100
94) Hexachlorobutadiene	15.023	225	28899	19.115	ug/l	98
95) Naphthalene	15.145	128	73713	18.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	38421	18.936	ug/l	99

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

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