

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021498.D
 Acq On : 11 Mar 2025 19:49
 Operator : SY/MD
 Sample : VY0311SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBS02

Quant Time: Mar 12 01:26:57 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	194615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	308758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	281655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	146408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104506	50.806	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.620%		
35) Dibromofluoromethane	7.634	113	98905	48.733	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.460%		
50) Toluene-d8	10.103	98	363483	47.302	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.600%		
62) 4-Bromofluorobenzene	12.401	95	127451	48.759	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	31348	17.553	ug/l	94
3) Chloromethane	2.068	50	50237	19.952	ug/l	98
4) Vinyl Chloride	2.202	62	55614	20.212	ug/l	99
5) Bromomethane	2.586	94	37126	18.669	ug/l	99
6) Chloroethane	2.732	64	39286	21.605	ug/l	97
7) Trichlorofluoromethane	3.056	101	79762	20.768	ug/l	93
8) Diethyl Ether	3.458	74	20151	18.933	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	41621	18.981	ug/l	98
10) Methyl Iodide	4.001	142	43258	19.408	ug/l	98
11) Tert butyl alcohol	4.854	59	13765	88.354	ug/l	100
12) 1,1-Dichloroethene	3.787	96	36890	18.453	ug/l	92
13) Acrolein	3.647	56	10805	103.274	ug/l	98
14) Allyl chloride	4.378	41	60685	18.784	ug/l	99
15) Acrylonitrile	5.061	53	45232	99.834	ug/l	99
16) Acetone	3.866	43	36115	80.498	ug/l	100
17) Carbon Disulfide	4.104	76	114009	18.197	ug/l	99
18) Methyl Acetate	4.378	43	21101	21.197	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	96033	18.953	ug/l	95
20) Methylene Chloride	4.610	84	49673	21.092	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	42235	18.865	ug/l	96
22) Diisopropyl ether	6.018	45	139209	19.994	ug/l	99
23) Vinyl Acetate	5.957	43	383957	96.630	ug/l	99
24) 1,1-Dichloroethane	5.915	63	80938	19.697	ug/l	99
25) 2-Butanone	6.890	43	56808	91.536	ug/l	94
26) 2,2-Dichloropropane	6.884	77	66733	17.650	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	48305	18.992	ug/l	98
28) Bromochloromethane	7.244	49	34043	19.761	ug/l	96
29) Tetrahydrofuran	7.256	42	40241	105.032	ug/l	95
30) Chloroform	7.421	83	86112	20.181	ug/l	100
31) Cyclohexane	7.707	56	67539	17.532	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	75196	19.247	ug/l	99
36) 1,1-Dichloropropene	7.835	75	58165	18.309	ug/l	99
37) Ethyl Acetate	6.976	43	26875	19.140	ug/l	98
38) Carbon Tetrachloride	7.817	117	67864	18.575	ug/l	96
39) Methylcyclohexane	9.109	83	65561	16.825	ug/l	98
40) Benzene	8.079	78	179237	19.153	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	16286m	21.302	ug/l	
42) 1,2-Dichloroethane	8.158	62	52485	20.048	ug/l	100
43) Isopropyl Acetate	8.195	43	51549	18.912	ug/l #	88
44) Trichloroethene	8.866	130	44926	18.998	ug/l	99
45) 1,2-Dichloropropane	9.140	63	43661	19.603	ug/l	99
46) Dibromomethane	9.231	93	25487	20.566	ug/l	96
47) Bromodichloromethane	9.420	83	65569	19.923	ug/l	98
48) Methyl methacrylate	9.219	41	23760	18.983	ug/l	97
49) 1,4-Dioxane	9.225	88	5157	423.962	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	137669	97.888	ug/l	98
52) Toluene	10.170	92	113101	19.170	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	55144	19.018	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	64295	18.677	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	32265	19.903	ug/l	96
56) Ethyl methacrylate	10.438	69	38583	18.662	ug/l	98
57) 1,3-Dichloropropane	10.719	76	55594	19.787	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	99413	104.164	ug/l	100
59) 2-Hexanone	10.762	43	89766	96.529	ug/l	96
60) Dibromochloromethane	10.908	129	43431	19.542	ug/l	100
61) 1,2-Dibromoethane	11.011	107	29777	19.463	ug/l	99
64) Tetrachloroethene	10.646	164	48697	21.262	ug/l	98
65) Chlorobenzene	11.444	112	122779	18.460	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	44311	18.844	ug/l	99
67) Ethyl Benzene	11.517	91	205295	17.585	ug/l	99
68) m/p-Xylenes	11.627	106	161369	36.409	ug/l	100
69) o-Xylene	11.956	106	74384	18.210	ug/l	97
70) Styrene	11.969	104	128267	18.928	ug/l	97
71) Bromoform	12.133	173	24204	18.413	ug/l #	95
73) Isopropylbenzene	12.255	105	193399	16.769	ug/l	100
74) N-amyl acetate	12.066	43	43139	17.224	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36082	17.729	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	26941m	18.261	ug/l	
77) Bromobenzene	12.529	156	48089	17.823	ug/l	98
78) n-propylbenzene	12.597	91	240613	17.179	ug/l	99
79) 2-Chlorotoluene	12.682	91	141628	17.684	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	161097	17.188	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	10619	16.363	ug/l	95
82) 4-Chlorotoluene	12.779	91	148090	17.857	ug/l	99
83) tert-Butylbenzene	12.999	119	143956	17.218	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	162703	17.484	ug/l	99
85) sec-Butylbenzene	13.176	105	212401	17.074	ug/l	99
86) p-Isopropyltoluene	13.292	119	173235	16.903	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	93577	17.423	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	91531	17.426	ug/l	98
89) n-Butylbenzene	13.615	91	159001	16.801	ug/l	100
90) Hexachloroethane	13.877	117	38205	17.474	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	82519	17.926	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5194	17.037	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	41334	16.440	ug/l	97
94) Hexachlorobutadiene	15.023	225	26717	16.952	ug/l	99
95) Naphthalene	15.145	128	64312	17.152	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	35094	16.596	ug/l	98

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

