

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032025\
 Data File : VY021576.D
 Acq On : 20 Mar 2025 12:45
 Operator : SY/MD
 Sample : VY0320SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 03/21/2025
 Supervised By :Mahesh Dadoda 03/21/2025

Quant Time: Mar 21 01:32:29 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	231575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	366806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	325732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119375	48.772	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.540%		
35) Dibromofluoromethane	7.634	113	115893	48.067	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.140%		
50) Toluene-d8	10.109	98	423384	46.378	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.760%		
62) 4-Bromofluorobenzene	12.408	95	148255	47.742	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	36919	17.373	ug/l	99
3) Chloromethane	2.068	50	52986	17.685	ug/l	100
4) Vinyl Chloride	2.202	62	60068	18.346	ug/l	98
5) Bromomethane	2.592	94	43985	18.588	ug/l	100
6) Chloroethane	2.733	64	42572	19.676	ug/l	96
7) Trichlorofluoromethane	3.056	101	99416	21.754	ug/l	97
8) Diethyl Ether	3.452	74	30014	23.699	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	55575	21.300	ug/l	99
10) Methyl Iodide	4.001	142	56344	21.244	ug/l	98
11) Tert butyl alcohol	4.860	59	20893	119.528	ug/l	98
12) 1,1-Dichloroethene	3.787	96	49976	21.009	ug/l	99
13) Acrolein	3.647	56	12819	102.968	ug/l	90
14) Allyl chloride	4.379	41	85532	22.250	ug/l	99
15) Acrylonitrile	5.061	53	56761	105.285	ug/l	99
16) Acetone	3.867	43	53699	100.589	ug/l	92
17) Carbon Disulfide	4.104	76	137388	18.429	ug/l	98
18) Methyl Acetate	4.379	43	30078	25.393	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	122395	20.300	ug/l	98
20) Methylene Chloride	4.610	84	62377	22.259	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	50167	18.831	ug/l	92
22) Diisopropyl ether	6.012	45	169546	20.465	ug/l	99
23) Vinyl Acetate	5.958	43	477657	101.025	ug/l	99
24) 1,1-Dichloroethane	5.915	63	97620	19.965	ug/l	98
25) 2-Butanone	6.890	43	71612	96.974	ug/l	99
26) 2,2-Dichloropropane	6.884	77	84873	18.865	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	60776	20.082	ug/l	98
28) Bromochloromethane	7.244	49	39878	19.454	ug/l	97
29) Tetrahydrofuran	7.262	42	46217	101.377	ug/l	99
30) Chloroform	7.421	83	104519	20.585	ug/l	96
31) Cyclohexane	7.701	56	77158	16.832	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	91476	19.677	ug/l	100
36) 1,1-Dichloropropene	7.835	75	67892	17.989	ug/l	100
37) Ethyl Acetate	6.982	43	32071	19.226	ug/l	97
38) Carbon Tetrachloride	7.817	117	81429	18.760	ug/l	97
39) Methylcyclohexane	9.109	83	76733	16.575	ug/l	98
40) Benzene	8.079	78	215395	19.374	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	17414	19.173	ug/l #	89
42) 1,2-Dichloroethane	8.158	62	62053	19.951	ug/l	99
43) Isopropyl Acetate	8.195	43	64063	19.784	ug/l #	89
44) Trichloroethene	8.866	130	54800	19.506	ug/l	97
45) 1,2-Dichloropropane	9.140	63	51628	19.512	ug/l	97
46) Dibromomethane	9.231	93	29503	20.039	ug/l	96
47) Bromodichloromethane	9.420	83	79744	20.396	ug/l	99
48) Methyl methacrylate	9.219	41	28159	18.937	ug/l	91
49) 1,4-Dioxane	9.231	88	6452	446.484	ug/l	91
51) 4-Methyl-2-Pentanone	10.000	43	169902	101.689	ug/l	100
52) Toluene	10.170	92	146875	20.955	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	69414	20.151	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	81830	20.009	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	39107	20.306	ug/l	99
56) Ethyl methacrylate	10.439	69	48897	19.908	ug/l	99
57) 1,3-Dichloropropane	10.719	76	66788	20.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	109484	96.562	ug/l	98
59) 2-Hexanone	10.762	43	108475	98.187	ug/l	100
60) Dibromochloromethane	10.914	129	53210	20.154	ug/l	97
61) 1,2-Dibromoethane	11.018	107	37012	20.363	ug/l	97
64) Tetrachloroethene	10.646	164	58721	22.169	ug/l	96
65) Chlorobenzene	11.444	112	148156	19.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	54275	19.958	ug/l	98
67) Ethyl Benzene	11.518	91	253642	18.787	ug/l	99
68) m/p-Xylenes	11.627	106	194960	38.036	ug/l	99
69) o-Xylene	11.957	106	91040	19.272	ug/l	98
70) Styrene	11.969	104	154520	19.717	ug/l	99
71) Bromoform	12.133	173	31320	20.602	ug/l #	98
73) Isopropylbenzene	12.255	105	240797	18.106	ug/l	100
74) N-amyl acetate	12.072	43	54428	18.845	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	44624	19.014	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	33819m	19.879	ug/l	
77) Bromobenzene	12.536	156	58865	18.920	ug/l	98
78) n-propylbenzene	12.597	91	297325	18.408	ug/l	100
79) 2-Chlorotoluene	12.682	91	170059	18.414	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	200466	18.548	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	13596	18.168	ug/l	95
82) 4-Chlorotoluene	12.780	91	179837	18.805	ug/l	100
83) tert-Butylbenzene	12.999	119	180067	18.676	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	202288	18.851	ug/l	100
85) sec-Butylbenzene	13.176	105	262347	18.288	ug/l	98
86) p-Isopropyltoluene	13.292	119	216480	18.317	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	116097	18.746	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	115931	19.140	ug/l	99
89) n-Butylbenzene	13.621	91	196718	18.026	ug/l	100
90) Hexachloroethane	13.877	117	46236	18.339	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	103112	19.425	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6875	19.556	ug/l	97
93) 1,2,4-Trichlorobenzene	14.926	180	56200	19.384	ug/l	97
94) Hexachlorobutadiene	15.023	225	35059	19.290	ug/l	99
95) Naphthalene	15.145	128	90032	20.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	48073	19.714	ug/l	99

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

