

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031825\
 Data File : VY021560.D
 Acq On : 18 Mar 2025 13:04
 Operator : SY/MD
 Sample : VY0318SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/19/2025
 Supervised By :Semsettin Yesilyurt 03/19/2025

Quant Time: Mar 19 01:39:24 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	204461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	320091	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	282216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	147197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	105113	48.640	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.280%
35) Dibromofluoromethane	7.628	113	97138	46.168	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.340%
50) Toluene-d8	10.103	98	360996	45.315	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.620%
62) 4-Bromofluorobenzene	12.402	95	126507	46.684	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	32645	17.399	ug/l	94
3) Chloromethane	2.068	50	47425	17.928	ug/l	97
4) Vinyl Chloride	2.196	62	56765	19.637	ug/l	96
5) Bromomethane	2.580	94	39009	18.671	ug/l	97
6) Chloroethane	2.726	64	40216	21.052	ug/l	97
7) Trichlorofluoromethane	3.050	101	78959	19.569	ug/l	97
8) Diethyl Ether	3.452	74	21001	18.781	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	43245	18.772	ug/l	98
10) Methyl Iodide	4.001	142	40631	17.351	ug/l	98
11) Tert butyl alcohol	4.854	59	19881	130.748	ug/l	95
12) 1,1-Dichloroethene	3.781	96	37995	18.091	ug/l	99
13) Acrolein	3.647	56	12127	110.328	ug/l	96
14) Allyl chloride	4.379	41	60338	17.777	ug/l	99
15) Acrylonitrile	5.055	53	50783	106.688	ug/l	98
16) Acetone	3.860	43	40745	86.445	ug/l #	88
17) Carbon Disulfide	4.098	76	103222	15.682	ug/l	100
18) Methyl Acetate	4.379	43	22594	21.604	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	104462	19.624	ug/l	97
20) Methylene Chloride	4.610	84	46347	18.732	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	41113	17.479	ug/l	94
22) Diisopropyl ether	6.012	45	138851	18.983	ug/l	99
23) Vinyl Acetate	5.958	43	401584	96.199	ug/l	99
24) 1,1-Dichloroethane	5.909	63	81397	18.855	ug/l	98
25) 2-Butanone	6.890	43	63752	97.778	ug/l	98
26) 2,2-Dichloropropane	6.878	77	69730	17.554	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	49146	18.392	ug/l	97
28) Bromochloromethane	7.238	49	39020	21.559	ug/l	99
29) Tetrahydrofuran	7.256	42	42422	105.392	ug/l	99
30) Chloroform	7.415	83	83838	18.702	ug/l	98
31) Cyclohexane	7.701	56	68477	16.919	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	75784	18.463	ug/l	100
36) 1,1-Dichloropropene	7.829	75	57991	17.608	ug/l	99
37) Ethyl Acetate	6.982	43	29981	20.596	ug/l	99
38) Carbon Tetrachloride	7.817	117	69901	18.455	ug/l	97
39) Methylcyclohexane	9.103	83	67612	16.737	ug/l	97
40) Benzene	8.079	78	175631	18.103	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	15783m	19.913	ug/l	
42) 1,2-Dichloroethane	8.152	62	52471	19.333	ug/l	100
43) Isopropyl Acetate	8.195	43	56165	19.876	ug/l #	88
44) Trichloroethene	8.866	130	44787	18.268	ug/l	98
45) 1,2-Dichloropropane	9.140	63	42736	18.508	ug/l	99
46) Dibromomethane	9.231	93	24987	19.449	ug/l	98
47) Bromodichloromethane	9.420	83	66281	19.426	ug/l	97
48) Methyl methacrylate	9.219	41	24777	19.095	ug/l	95
49) 1,4-Dioxane	9.225	88	5903	468.109	ug/l #	93
51) 4-Methyl-2-Pentanone	9.999	43	150621	103.306	ug/l	100
52) Toluene	10.170	92	110627	18.087	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	58682	19.522	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	66707	18.691	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	33817	20.122	ug/l	97
56) Ethyl methacrylate	10.438	69	41464	19.345	ug/l	99
57) 1,3-Dichloropropane	10.713	76	57118	19.610	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	116697	117.945	ug/l	99
59) 2-Hexanone	10.762	43	99306	103.006	ug/l	98
60) Dibromochloromethane	10.908	129	45239	19.635	ug/l	99
61) 1,2-Dibromoethane	11.012	107	31233	19.691	ug/l	97
64) Tetrachloroethene	10.646	164	49061	21.378	ug/l	100
65) Chlorobenzene	11.438	112	121868	18.286	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	44071	18.704	ug/l	99
67) Ethyl Benzene	11.518	91	206258	17.633	ug/l	99
68) m/p-Xylenes	11.627	106	159343	35.881	ug/l	99
69) o-Xylene	11.950	106	72382	17.685	ug/l	99
70) Styrene	11.969	104	124155	18.285	ug/l	99
71) Bromoform	12.127	173	26377	20.026	ug/l #	98
73) Isopropylbenzene	12.255	105	199383	17.195	ug/l	100
74) N-amyl acetate	12.066	43	49296	19.576	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	38776	18.951	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	26785m	18.058	ug/l	
77) Bromobenzene	12.530	156	48495	17.877	ug/l	99
78) n-propylbenzene	12.590	91	244271	17.346	ug/l	100
79) 2-Chlorotoluene	12.676	91	139396	17.312	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	164386	17.445	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11919	18.267	ug/l	95
82) 4-Chlorotoluene	12.773	91	145560	17.457	ug/l	99
83) tert-Butylbenzene	12.993	119	150154	17.863	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	165179	17.655	ug/l	100
85) sec-Butylbenzene	13.176	105	220218	17.607	ug/l	100
86) p-Isopropyltoluene	13.292	119	180638	17.531	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	97873	18.126	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	96839	18.338	ug/l	98
89) n-Butylbenzene	13.615	91	168953	17.757	ug/l	100
90) Hexachloroethane	13.877	117	39430	17.938	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	85965	18.575	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6275	20.473	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	48127	19.039	ug/l	99
94) Hexachlorobutadiene	15.023	225	30404	19.188	ug/l	98
95) Naphthalene	15.145	128	78368	20.355	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	41158	19.359	ug/l	97

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

