

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021429.D
 Acq On : 06 Mar 2025 12:55
 Operator : SY/MD
 Sample : VY0306SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
 Supervised By :Semsettin Yesilyurt 03/07/2025

Quant Time: Mar 07 00:39:22 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	197190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	284896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114552	54.963	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.920%			
35) Dibromofluoromethane	7.634	113	108456	52.046	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.100%			
50) Toluene-d8	10.103	98	405827	51.435	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.408	95	141225	52.620	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	35558	19.650	ug/l	96
3) Chloromethane	2.068	50	52949	20.755	ug/l	96
4) Vinyl Chloride	2.202	62	58685	21.049	ug/l	99
5) Bromomethane	2.586	94	42039	20.863	ug/l	95
6) Chloroethane	2.733	64	40824	22.158	ug/l	94
7) Trichlorofluoromethane	3.056	101	80838	20.774	ug/l	96
8) Diethyl Ether	3.452	74	22347	20.722	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	43988	19.799	ug/l	99
10) Methyl Iodide	4.001	142	44089	19.522	ug/l	100
11) Tert butyl alcohol	4.860	59	17013	113.220	ug/l #	72
12) 1,1-Dichloroethene	3.787	96	40773	20.129	ug/l	98
13) Acrolein	3.653	56	17122	161.514	ug/l	96
14) Allyl chloride	4.385	41	65445	19.993	ug/l	98
15) Acrylonitrile	5.055	53	48263	105.132	ug/l	99
16) Acetone	3.867	43	37789	83.130	ug/l	92
17) Carbon Disulfide	4.104	76	123987	19.532	ug/l	100
18) Methyl Acetate	4.385	43	21520	21.336	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	104712	20.396	ug/l	99
20) Methylene Chloride	4.616	84	48615	20.374	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	45523	20.068	ug/l	91
22) Diisopropyl ether	6.019	45	148861	21.102	ug/l	97
23) Vinyl Acetate	5.958	43	418814	104.026	ug/l	98
24) 1,1-Dichloroethane	5.915	63	85283	20.483	ug/l	98
25) 2-Butanone	6.890	43	59932	95.309	ug/l	97
26) 2,2-Dichloropropane	6.884	77	70954	18.521	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	51954	20.160	ug/l	99
28) Bromochloromethane	7.244	49	33556	19.224	ug/l	98
29) Tetrahydrofuran	7.256	42	40277	103.753	ug/l	99
30) Chloroform	7.415	83	91972	21.273	ug/l	96
31) Cyclohexane	7.701	56	73337	18.788	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	79136	19.991	ug/l	99
36) 1,1-Dichloropropene	7.835	75	62244	19.082	ug/l	98
37) Ethyl Acetate	6.988	43	29173	20.235	ug/l	97
38) Carbon Tetrachloride	7.817	117	70264	18.730	ug/l	98
39) Methylcyclohexane	9.110	83	72710	18.173	ug/l	99
40) Benzene	8.079	78	190921	19.869	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	15276	19.460	ug/l	95
42) 1,2-Dichloroethane	8.152	62	54960	20.446	ug/l	99
43) Isopropyl Acetate	8.195	43	54803	19.581	ug/l #	88
44) Trichloroethene	8.866	130	46195	19.025	ug/l	93
45) 1,2-Dichloropropane	9.140	63	46832	20.478	ug/l	95
46) Dibromomethane	9.231	93	25456	20.006	ug/l	98
47) Bromodichloromethane	9.420	83	68125	20.160	ug/l	99
48) Methyl methacrylate	9.219	41	24350	18.947	ug/l	95
49) 1,4-Dioxane	9.225	88	5487	439.330	ug/l #	93
51) 4-Methyl-2-Pentanone	10.000	43	145575	100.811	ug/l	98
52) Toluene	10.170	92	119217	19.680	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	57714	19.386	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	68787	19.461	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	33986	20.418	ug/l	94
56) Ethyl methacrylate	10.439	69	41790	19.686	ug/l	98
57) 1,3-Dichloropropane	10.719	76	59572	20.650	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	105149	107.301	ug/l	98
59) 2-Hexanone	10.762	43	92172	96.532	ug/l	98
60) Dibromochloromethane	10.908	129	45450	19.918	ug/l	100
61) 1,2-Dibromoethane	11.012	107	31489	20.045	ug/l	100
64) Tetrachloroethene	10.646	164	43602	18.821	ug/l	97
65) Chlorobenzene	11.438	112	128907	19.161	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	45704	19.215	ug/l	98
67) Ethyl Benzene	11.518	91	220217	18.649	ug/l	99
68) m/p-Xylenes	11.627	106	169502	37.809	ug/l	98
69) o-Xylene	11.957	106	77803	18.830	ug/l	99
70) Styrene	11.969	104	133689	19.504	ug/l	99
71) Bromoform	12.127	173	26030	19.577	ug/l #	100
73) Isopropylbenzene	12.255	105	208083	18.150	ug/l	99
74) N-amyl acetate	12.066	43	47561	19.102	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	38365	18.963	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	28008m	19.097	ug/l	
77) Bromobenzene	12.530	156	50969	19.003	ug/l	100
78) n-propylbenzene	12.597	91	256602	18.429	ug/l	100
79) 2-Chlorotoluene	12.682	91	149480	18.776	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	171567	18.415	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	11197	17.356	ug/l	94
82) 4-Chlorotoluene	12.780	91	153440	18.612	ug/l	99
83) tert-Butylbenzene	12.999	119	155498	18.709	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	175877	19.013	ug/l	99
85) sec-Butylbenzene	13.176	105	227701	18.413	ug/l	100
86) p-Isopropyltoluene	13.292	119	187268	18.381	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	98798	18.505	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	99121	18.984	ug/l	99
89) n-Butylbenzene	13.621	91	171306	18.209	ug/l	99
90) Hexachloroethane	13.877	117	39511	18.179	ug/l	97
91) 1,2-Dichlorobenzene	13.658	146	87985	19.228	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5795	19.122	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	46812	18.729	ug/l	97
94) Hexachlorobutadiene	15.023	225	30717	19.606	ug/l	96
95) Naphthalene	15.145	128	72201	19.111	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39613	18.844	ug/l	97

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

