

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021449.D
 Acq On : 06 Mar 2025 21:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Mar 07 03:36:47 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	179266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	297875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	278765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	143667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104533	55.170	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.340%			
35) Dibromofluoromethane	7.634	113	96323	49.195	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.400%			
50) Toluene-d8	10.103	98	363951	49.093	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.180%			
62) 4-Bromofluorobenzene	12.402	95	126564	50.188	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	72400	44.011	ug/l	100
3) Chloromethane	2.068	50	124469	53.667	ug/l	97
4) Vinyl Chloride	2.202	62	138734	54.737	ug/l	98
5) Bromomethane	2.592	94	96928	52.913	ug/l	97
6) Chloroethane	2.733	64	98020	58.521	ug/l	96
7) Trichlorofluoromethane	3.056	101	178675	50.507	ug/l	98
8) Diethyl Ether	3.452	74	54773	55.869	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	94592	46.833	ug/l	97
10) Methyl Iodide	4.001	142	110100	53.626	ug/l	99
11) Tert butyl alcohol	4.860	59	37206	307.172	ug/l	99
12) 1,1-Dichloroethene	3.787	96	89024	48.345	ug/l	99
13) Acrolein	3.641	56	2996	31.087	ug/l	86
14) Allyl chloride	4.385	41	151635	50.955	ug/l	100
15) Acrylonitrile	5.061	53	129398	310.054	ug/l	98
16) Acetone	3.866	43	98294	237.851	ug/l	94
17) Carbon Disulfide	4.104	76	293709	50.894	ug/l	98
18) Methyl Acetate	4.379	43	61722	67.313	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	262618	56.268	ug/l	99
20) Methylene Chloride	4.610	84	111622	51.456	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	107904	52.323	ug/l	96
22) Diisopropyl ether	6.019	45	368564	57.469	ug/l	96
23) Vinyl Acetate	5.958	43	1078290	294.607	ug/l	98
24) 1,1-Dichloroethane	5.915	63	205407	54.267	ug/l	100
25) 2-Butanone	6.890	43	163656	286.281	ug/l	97
26) 2,2-Dichloropropane	6.884	77	128531	36.905	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	127179	54.285	ug/l	96
28) Bromochloromethane	7.244	49	96604	60.877	ug/l	98
29) Tetrahydrofuran	7.262	42	111815	316.832	ug/l	98
30) Chloroform	7.421	83	217839	55.423	ug/l	96
31) Cyclohexane	7.701	56	159628	44.984	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	182153	50.614	ug/l	98
36) 1,1-Dichloropropene	7.835	75	144407	47.117	ug/l	99
37) Ethyl Acetate	6.982	43	77836	57.459	ug/l	99
38) Carbon Tetrachloride	7.817	117	164169	46.575	ug/l	96
39) Methylcyclohexane	9.109	83	167614	44.585	ug/l	99
40) Benzene	8.079	78	458030	50.732	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	42285	57.328	ug/l #	88
42) 1,2-Dichloroethane	8.158	62	135589	53.683	ug/l	100
43) Isopropyl Acetate	8.195	43	147717	56.173	ug/l #	87
44) Trichloroethene	8.866	130	108504	47.559	ug/l	97
45) 1,2-Dichloropropane	9.140	63	112984	52.581	ug/l	99
46) Dibromomethane	9.231	93	66332	55.481	ug/l	98
47) Bromodichloromethane	9.420	83	168750	53.148	ug/l	96
48) Methyl methacrylate	9.219	41	70262	58.187	ug/l	98
49) 1,4-Dioxane	9.225	88	14978	1276.343	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	409486	301.798	ug/l	99
52) Toluene	10.170	92	294006	51.652	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	139241	49.776	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	163988	49.377	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	86922	55.579	ug/l	99
56) Ethyl methacrylate	10.438	69	114831	57.571	ug/l	98
57) 1,3-Dichloropropane	10.713	76	150047	55.356	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	249813	271.314	ug/l	99
59) 2-Hexanone	10.762	43	275337	306.897	ug/l	98
60) Dibromochloromethane	10.908	129	117019	54.578	ug/l	99
61) 1,2-Dibromoethane	11.012	107	81139	54.971	ug/l	99
64) Tetrachloroethene	10.646	164	102795	45.348	ug/l	97
65) Chlorobenzene	11.438	112	316210	48.035	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	113735	48.868	ug/l	100
67) Ethyl Benzene	11.518	91	555801	48.103	ug/l	99
68) m/p-Xylenes	11.627	106	422121	96.230	ug/l	99
69) o-Xylene	11.950	106	199944	49.456	ug/l	99
70) Styrene	11.969	104	345029	51.444	ug/l	100
71) Bromoform	12.133	173	69092	53.106	ug/l #	99
73) Isopropylbenzene	12.255	105	514713	45.481	ug/l	100
74) N-amyl acetate	12.072	43	134199	54.602	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	103908	52.030	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	71425m	49.337	ug/l	
77) Bromobenzene	12.530	156	125109	47.254	ug/l	98
78) n-propylbenzene	12.597	91	634106	46.136	ug/l	100
79) 2-Chlorotoluene	12.676	91	372352	47.380	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	434275	47.220	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	28172	44.238	ug/l	99
82) 4-Chlorotoluene	12.773	91	387231	47.583	ug/l	98
83) tert-Butylbenzene	12.999	119	386598	47.120	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	438470	48.018	ug/l	99
85) sec-Butylbenzene	13.176	105	553615	45.352	ug/l	99
86) p-Isopropyltoluene	13.292	119	462651	46.004	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	244789	46.448	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	240907	46.740	ug/l	99
89) n-Butylbenzene	13.615	91	425001	45.766	ug/l	99
90) Hexachloroethane	13.883	117	97866	45.616	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	216872	48.012	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15700	52.481	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	116425	47.189	ug/l	99
94) Hexachlorobutadiene	15.023	225	66914	43.266	ug/l	99
95) Naphthalene	15.145	128	217418	51.890	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	102796	49.539	ug/l	99

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

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