

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
 Data File : VY021406.D
 Acq On : 05 Mar 2025 11:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
 Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 06 02:53:15 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	253694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	393321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	351518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	179824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142742	53.234	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.460%			
35) Dibromofluoromethane	7.634	113	136768	52.901	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.800%			
50) Toluene-d8	10.109	98	510620	52.163	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.320%			
62) 4-Bromofluorobenzene	12.408	95	176716	53.071	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	100209	43.044	ug/l	99
3) Chloromethane	2.068	50	152732	46.533	ug/l	98
4) Vinyl Chloride	2.202	62	175802	49.013	ug/l	99
5) Bromomethane	2.592	94	115209	44.442	ug/l	97
6) Chloroethane	2.733	64	116627	49.203	ug/l	93
7) Trichlorofluoromethane	3.056	101	235513	47.042	ug/l	98
8) Diethyl Ether	3.458	74	66043	47.601	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	123843	43.326	ug/l	100
10) Methyl Iodide	4.007	142	144186	49.624	ug/l	100
11) Tert butyl alcohol	4.854	59	49325	286.190	ug/l	99
12) 1,1-Dichloroethene	3.787	96	117889	45.238	ug/l	95
13) Acrolein	3.653	56	6332	46.427	ug/l	88
14) Allyl chloride	4.379	41	196118	46.568	ug/l	99
15) Acrylonitrile	5.055	53	149382	252.927	ug/l	99
16) Acetone	3.866	43	135285	231.321	ug/l	94
17) Carbon Disulfide	4.104	76	373070	45.680	ug/l	99
18) Methyl Acetate	4.385	43	69645	53.670	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	333615	50.509	ug/l	99
20) Methylene Chloride	4.616	84	132608	43.196	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	133720	45.818	ug/l	98
22) Diisopropyl ether	6.019	45	435911	48.029	ug/l	95
23) Vinyl Acetate	5.958	43	1305680	252.076	ug/l	100
24) 1,1-Dichloroethane	5.915	63	247632	46.229	ug/l	99
25) 2-Butanone	6.890	43	205058	253.470	ug/l	97
26) 2,2-Dichloropropane	6.884	77	219160	44.466	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	156327	47.150	ug/l	98
28) Bromochloromethane	7.244	49	99378	44.253	ug/l	100
29) Tetrahydrofuran	7.262	42	134526	269.354	ug/l	100
30) Chloroform	7.421	83	254943	45.834	ug/l	96
31) Cyclohexane	7.701	56	208509	41.520	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	229590	45.079	ug/l	100
36) 1,1-Dichloropropene	7.835	75	182538	45.106	ug/l	99
37) Ethyl Acetate	6.982	43	96237	53.803	ug/l	98
38) Carbon Tetrachloride	7.817	117	208002	44.691	ug/l	99
39) Methylcyclohexane	9.109	83	214518	43.215	ug/l	99
40) Benzene	8.079	78	550724	46.197	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	48819	50.125	ug/l #	94
42) 1,2-Dichloroethane	8.158	62	159980	47.970	ug/l	100
43) Isopropyl Acetate	8.195	43	178204	51.322	ug/l	99
44) Trichloroethene	8.866	130	138798	46.074	ug/l	98
45) 1,2-Dichloropropane	9.140	63	133144	46.927	ug/l	100
46) Dibromomethane	9.231	93	77271	48.947	ug/l	100
47) Bromodichloromethane	9.420	83	198239	47.285	ug/l	99
48) Methyl methacrylate	9.219	41	83204	52.184	ug/l	98
49) 1,4-Dioxane	9.225	88	17400	1122.923	ug/l #	92
51) 4-Methyl-2-Pentanone	10.000	43	488989	272.938	ug/l	99
52) Toluene	10.170	92	349223	46.465	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	182055	49.289	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	212873	48.542	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	100426	48.631	ug/l	99
56) Ethyl methacrylate	10.438	69	142596	54.143	ug/l	100
57) 1,3-Dichloropropane	10.719	76	177256	49.525	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	301666	248.125	ug/l	100
59) 2-Hexanone	10.762	43	331900	280.170	ug/l	99
60) Dibromochloromethane	10.908	129	138735	49.004	ug/l	99
61) 1,2-Dibromoethane	11.012	107	96126	49.321	ug/l	99
64) Tetrachloroethene	10.646	164	129076	45.156	ug/l	99
65) Chlorobenzene	11.438	112	381151	45.917	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	134759	45.918	ug/l	99
67) Ethyl Benzene	11.518	91	671051	46.058	ug/l	100
68) m/p-Xylenes	11.627	106	511823	92.530	ug/l	99
69) o-Xylene	11.956	106	241207	47.314	ug/l	99
70) Styrene	11.969	104	409182	48.382	ug/l	100
71) Bromoform	12.133	173	82291	50.160	ug/l #	99
73) Isopropylbenzene	12.255	105	625570	44.162	ug/l	100
74) N-amyl acetate	12.072	43	160862	52.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	120570	48.234	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	88102m	48.620	ug/l	
77) Bromobenzene	12.530	156	151393	45.684	ug/l	99
78) n-propylbenzene	12.597	91	761639	44.273	ug/l	100
79) 2-Chlorotoluene	12.682	91	438547	44.583	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	511123	44.401	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	39643	49.734	ug/l	94
82) 4-Chlorotoluene	12.780	91	461879	45.344	ug/l	99
83) tert-Butylbenzene	12.999	119	451658	43.981	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	518969	45.406	ug/l	99
85) sec-Butylbenzene	13.176	105	645229	42.229	ug/l	99
86) p-Isopropyltoluene	13.292	119	548013	43.535	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	293176	44.444	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	289782	44.918	ug/l	99
89) n-Butylbenzene	13.621	91	506117	43.542	ug/l	100
90) Hexachloroethane	13.883	117	113526	42.276	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	261927	46.327	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18777	50.147	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	148286	48.018	ug/l	99
94) Hexachlorobutadiene	15.023	225	84098	43.444	ug/l	100
95) Naphthalene	15.145	128	270055	51.539	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	127059	48.920	ug/l	99

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

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