

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021373.D
 Acq On : 27 Feb 2025 21:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
 Supervised By :Semsettin Yesilyurt 02/28/2025

Quant Time: Feb 28 00:45:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	164048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	277373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	253471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	97659	52.477	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.960%			
35) Dibromofluoromethane	7.634	113	87146	47.922	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.840%			
50) Toluene-d8	10.103	98	323409	46.018	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.040%			
62) 4-Bromofluorobenzene	12.401	95	110786	46.840	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	76460	49.159	ug/l	100
3) Chloromethane	2.068	50	106692	53.115	ug/l	98
4) Vinyl Chloride	2.202	62	110217	55.902	ug/l	98
5) Bromomethane	2.592	94	76017	58.021	ug/l	100
6) Chloroethane	2.732	64	73418	60.049	ug/l	95
7) Trichlorofluoromethane	3.056	101	160295	53.835	ug/l	98
8) Diethyl Ether	3.452	74	54124	60.563	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	87554	50.789	ug/l	98
10) Methyl Iodide	4.000	142	116511	64.242	ug/l	100
11) Tert butyl alcohol	4.848	59	38259	267.277	ug/l	99
12) 1,1-Dichloroethene	3.787	96	89071	53.962	ug/l	97
13) Acrolein	3.647	56	3673	33.485	ug/l	99
14) Allyl chloride	4.378	41	152407	52.078	ug/l	97
15) Acrylonitrile	5.055	53	120993	306.214	ug/l	99
16) Acetone	3.866	43	99302	278.173	ug/l	98
17) Carbon Disulfide	4.104	76	291364	53.158	ug/l	99
18) Methyl Acetate	4.385	43	58945	67.566	ug/l	95
19) Methyl tert-butyl Ether	5.110	73	271378	62.228	ug/l	99
20) Methylene Chloride	4.610	84	106412	55.125	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	102907	56.633	ug/l	98
22) Diisopropyl ether	6.018	45	355935	58.775	ug/l	98
23) Vinyl Acetate	5.957	43	1049214	289.929	ug/l	99
24) 1,1-Dichloroethane	5.915	63	197924	57.987	ug/l	99
25) 2-Butanone	6.890	43	158717	294.593	ug/l	97
26) 2,2-Dichloropropane	6.878	77	120707	38.974	ug/l	97
27) cis-1,2-Dichloroethene	6.884	96	122529	59.051	ug/l	95
28) Bromochloromethane	7.244	49	82742	54.785	ug/l	98
29) Tetrahydrofuran	7.262	42	108144	307.084	ug/l	99
30) Chloroform	7.421	83	207288	59.934	ug/l	98
31) Cyclohexane	7.701	56	153746	46.859	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	175189	55.649	ug/l	99
36) 1,1-Dichloropropene	7.835	75	136482	49.965	ug/l	100
37) Ethyl Acetate	6.982	43	76669	56.426	ug/l	99
38) Carbon Tetrachloride	7.817	117	155267	50.561	ug/l	100
39) Methylcyclohexane	9.109	83	161976	46.883	ug/l	99
40) Benzene	8.079	78	435809	53.972	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	35667	46.949	ug/l #	83
42) 1,2-Dichloroethane	8.158	62	134116	58.542	ug/l	99
43) Isopropyl Acetate	8.195	43	149338	56.783	ug/l	99
44) Trichloroethene	8.865	130	107062	52.959	ug/l	96
45) 1,2-Dichloropropane	9.140	63	105572	54.329	ug/l	99
46) Dibromomethane	9.231	93	62012	58.381	ug/l	99
47) Bromodichloromethane	9.420	83	161420	56.995	ug/l	99
48) Methyl methacrylate	9.219	41	70130	57.023	ug/l	92
49) 1,4-Dioxane	9.225	88	14259	1207.299	ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	395179	293.536	ug/l	100
52) Toluene	10.170	92	276614	55.144	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	137017	52.804	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	157865	51.534	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	80047	57.848	ug/l	96
56) Ethyl methacrylate	10.438	69	115118	60.208	ug/l	99
57) 1,3-Dichloropropane	10.713	76	140574	57.893	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	263051	286.633	ug/l	98
59) 2-Hexanone	10.761	43	264505	299.159	ug/l	99
60) Dibromochloromethane	10.908	129	111175	58.992	ug/l	100
61) 1,2-Dibromoethane	11.011	107	76053	58.055	ug/l	98
64) Tetrachloroethene	10.646	164	98974	51.661	ug/l	99
65) Chlorobenzene	11.438	112	301732	53.031	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	108490	54.455	ug/l	100
67) Ethyl Benzene	11.517	91	523714	51.965	ug/l	100
68) m/p-Xylenes	11.627	106	394475	104.062	ug/l	99
69) o-Xylene	11.950	106	189722	53.424	ug/l	99
70) Styrene	11.969	104	327351	55.403	ug/l	100
71) Bromoform	12.133	173	65336	57.325	ug/l #	99
73) Isopropylbenzene	12.255	105	485525	50.633	ug/l	100
74) N-amyl acetate	12.066	43	132748	54.464	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	92203	54.482	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	65866m	51.590	ug/l	
77) Bromobenzene	12.529	156	121531	54.489	ug/l	98
78) n-propylbenzene	12.590	91	580348	49.874	ug/l	99
79) 2-Chlorotoluene	12.676	91	345034	51.667	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	404844	51.476	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	25247	43.953	ug/l	95
82) 4-Chlorotoluene	12.773	91	354201	51.166	ug/l	99
83) tert-Butylbenzene	12.999	119	362857	51.076	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	411310	52.585	ug/l	100
85) sec-Butylbenzene	13.176	105	508019	48.956	ug/l	100
86) p-Isopropyltoluene	13.291	119	431010	49.742	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	231798	52.538	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	228312	52.383	ug/l	100
89) n-Butylbenzene	13.615	91	389088	47.717	ug/l	100
90) Hexachloroethane	13.877	117	90928	50.238	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	208959	54.058	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15230	56.889	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	125550	53.216	ug/l	98
94) Hexachlorobutadiene	15.023	225	72801	49.014	ug/l	98
95) Naphthalene	15.145	128	233022	59.630	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	112571	56.474	ug/l	98

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

