

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021804.D
 Acq On : 07 Apr 2025 17:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
 Supervised By :Semsettin Yesilyurt 04/08/2025

Quant Time: Apr 08 03:36:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	224532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	341352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122404	50.315	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.640%	
35) Dibromofluoromethane	7.634	113	98899	44.664	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.320%	
50) Toluene-d8	10.109	98	440661	52.311	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.620%	
62) 4-Bromofluorobenzene	12.408	95	154801	54.329	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.660%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	109111	46.885	ug/l	98
3) Chloromethane	2.068	50	149962	45.826	ug/l	98
4) Vinyl Chloride	2.202	62	172733	46.675	ug/l	97
5) Bromomethane	2.592	94	109683	43.454	ug/l	97
6) Chloroethane	2.733	64	113301	46.787	ug/l	100
7) Trichlorofluoromethane	3.056	101	224789	47.416	ug/l	98
8) Diethyl Ether	3.452	74	62320	48.339	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	122782	49.106	ug/l	99
10) Methyl Iodide	4.001	142	148881	54.276	ug/l	99
11) Tert butyl alcohol	4.866	59	38412	243.094	ug/l	100
12) 1,1-Dichloroethene	3.787	96	116318	49.389	ug/l	99
13) Acrolein	3.659	56	22716	78.732	ug/l	97
14) Allyl chloride	4.385	41	184227	49.061	ug/l	98
15) Acrylonitrile	5.061	53	136191	253.002	ug/l	99
16) Acetone	3.873	43	104517	209.922	ug/l	99
17) Carbon Disulfide	4.104	76	362183	46.691	ug/l	97
18) Methyl Acetate	4.385	43	76494	61.991	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	301905	51.489	ug/l	98
20) Methylene Chloride	4.616	84	129704	53.510	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	128306	49.480	ug/l	99
22) Diisopropyl ether	6.019	45	406412	51.594	ug/l	98
23) Vinyl Acetate	5.958	43	1005856	218.278	ug/l	100
24) 1,1-Dichloroethane	5.915	63	234722	49.834	ug/l	99
25) 2-Butanone	6.890	43	172460	242.513	ug/l	99
26) 2,2-Dichloropropane	6.884	77	203337	48.532	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	147307	50.515	ug/l	98
28) Bromochloromethane	7.244	49	98094	49.382	ug/l	98
29) Tetrahydrofuran	7.262	42	118440	258.784	ug/l	100
30) Chloroform	7.421	83	246310	50.278	ug/l	96
31) Cyclohexane	7.701	56	204030	47.519	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	221309	49.982	ug/l	99
36) 1,1-Dichloropropene	7.835	75	174776	51.820	ug/l	99
37) Ethyl Acetate	6.982	43	80524	50.589	ug/l	99
38) Carbon Tetrachloride	7.817	117	201147	52.071	ug/l	100
39) Methylcyclohexane	9.110	83	213550	53.002	ug/l	98
40) Benzene	8.079	78	524100	51.889	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	41173	48.707	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	150119	52.720	ug/l	100
43) Isopropyl Acetate	8.195	43	158937	52.690	ug/l	98
44) Trichloroethene	8.866	130	153934	59.815	ug/l	98
45) 1,2-Dichloropropane	9.140	63	126060	52.726	ug/l	98
46) Dibromomethane	9.231	93	72759	52.805	ug/l	98
47) Bromodichloromethane	9.427	83	186427	52.215	ug/l	99
48) Methyl methacrylate	9.219	41	75589	54.600	ug/l	99
49) 1,4-Dioxane	9.231	88	16797	1137.947	ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	437927	278.979	ug/l	99
52) Toluene	10.170	92	337143	53.500	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	165396	52.154	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	195840	52.346	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	95662	53.949	ug/l	98
56) Ethyl methacrylate	10.439	69	131852	58.234	ug/l	98
57) 1,3-Dichloropropane	10.719	76	166086	54.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	325502	294.697	ug/l	100
59) 2-Hexanone	10.762	43	291456	278.791	ug/l	99
60) Dibromochloromethane	10.914	129	128616	53.126	ug/l	100
61) 1,2-Dibromoethane	11.012	107	90766	54.567	ug/l	99
64) Tetrachloroethene	10.646	164	188331	66.382	ug/l	98
65) Chlorobenzene	11.444	112	368544	51.612	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	130042	51.329	ug/l	99
67) Ethyl Benzene	11.518	91	651824	53.233	ug/l	99
68) m/p-Xylenes	11.627	106	498739	106.367	ug/l	100
69) o-Xylene	11.957	106	233580	53.967	ug/l	98
70) Styrene	11.969	104	397557	55.090	ug/l	100
71) Bromoform	12.133	173	76677	53.058	ug/l #	100
73) Isopropylbenzene	12.255	105	623474	49.859	ug/l	100
74) N-amyl acetate	12.072	43	147196	50.156	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	69040	30.709	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	83668m	50.134	ug/l	
77) Bromobenzene	12.530	156	148624	49.502	ug/l	98
78) n-propylbenzene	12.597	91	755384	50.246	ug/l	99
79) 2-Chlorotoluene	12.682	91	429871	49.230	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	515287	50.419	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	33694	46.520	ug/l	99
82) 4-Chlorotoluene	12.780	91	446850	49.086	ug/l	100
83) tert-Butylbenzene	12.999	119	452797	49.742	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	519749	51.455	ug/l	99
85) sec-Butylbenzene	13.176	105	670543	50.405	ug/l	99
86) p-Isopropyltoluene	13.292	119	567055	51.574	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	291683	49.310	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	288989	49.448	ug/l	99
89) n-Butylbenzene	13.621	91	522872	51.422	ug/l	100
90) Hexachloroethane	13.877	117	117807	48.894	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	257864	50.078	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17640	50.624	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	152417	54.582	ug/l	99
94) Hexachlorobutadiene	15.023	225	90260	51.756	ug/l	99
95) Naphthalene	15.145	128	278323	60.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	132748	55.748	ug/l	100

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

