

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
 Data File : VY021774.D
 Acq On : 03 Apr 2025 15:32
 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 :Semsettin Yesilyurt 04/04/2025
 Supervised By :Mahesh Dadoda 04/04/2025

Quant Time: Apr 04 01:32:11 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	220705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	310275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	165629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	118172	49.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.840%		
35) Dibromofluoromethane	7.634	113	113296	50.921	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.840%		
50) Toluene-d8	10.103	98	444655	52.533	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.060%		
62) 4-Bromofluorobenzene	12.408	95	153721	53.692	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	107.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	105752	46.229	ug/l	98
3) Chloromethane	2.068	50	145948	45.373	ug/l	99
4) Vinyl Chloride	2.202	62	168481	46.315	ug/l	100
5) Bromomethane	2.592	94	110122	44.385	ug/l	99
6) Chloroethane	2.732	64	111081	46.666	ug/l	98
7) Trichlorofluoromethane	3.056	101	220000	47.211	ug/l	96
8) Diethyl Ether	3.452	74	58938	46.508	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	119415	48.587	ug/l	100
10) Methyl Iodide	4.001	142	139809	51.852	ug/l	99
11) Tert butyl alcohol	4.854	59	32460	208.988	ug/l	100
12) 1,1-Dichloroethene	3.787	96	110305	47.648	ug/l	98
13) Acrolein	3.653	56	32319	113.958	ug/l	99
14) Allyl chloride	4.385	41	181590	49.198	ug/l	100
15) Acrylonitrile	5.055	53	124666	235.608	ug/l	100
16) Acetone	3.866	43	113309	231.526	ug/l	99
17) Carbon Disulfide	4.104	76	355712	46.651	ug/l	99
18) Methyl Acetate	4.385	43	65562	54.053	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	278375	48.299	ug/l	97
20) Methylene Chloride	4.610	84	125650	52.675	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	123293	48.372	ug/l	96
22) Diisopropyl ether	6.018	45	392516	50.694	ug/l	97
23) Vinyl Acetate	5.957	43	1072919	236.869	ug/l	99
24) 1,1-Dichloroethane	5.915	63	228026	49.251	ug/l	99
25) 2-Butanone	6.890	43	162563	232.560	ug/l	97
26) 2,2-Dichloropropane	6.884	77	202825	49.249	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	142711	49.788	ug/l	98
28) Bromochloromethane	7.244	49	94423	48.358	ug/l	98
29) Tetrahydrofuran	7.262	42	105628	234.792	ug/l	100
30) Chloroform	7.421	83	235827	48.972	ug/l	99
31) Cyclohexane	7.701	56	199143	47.185	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	210448	48.353	ug/l	98
36) 1,1-Dichloropropene	7.835	75	168216	49.637	ug/l	99
37) Ethyl Acetate	6.982	43	71776	44.877	ug/l	99
38) Carbon Tetrachloride	7.817	117	192176	49.511	ug/l	100
39) Methylcyclohexane	9.109	83	209482	51.744	ug/l	97
40) Benzene	8.079	78	508243	50.078	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	44137	51.964	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	139127	48.626	ug/l	100
43) Isopropyl Acetate	8.195	43	142236	46.928	ug/l	100
44) Trichloroethene	8.866	130	130747	50.562	ug/l	100
45) 1,2-Dichloropropane	9.140	63	120989	50.363	ug/l	97
46) Dibromomethane	9.231	93	68298	49.330	ug/l	97
47) Bromodichloromethane	9.420	83	181021	50.458	ug/l	100
48) Methyl methacrylate	9.219	41	69558	50.003	ug/l	98
49) 1,4-Dioxane	9.225	88	14254	961.046	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	380899	241.489	ug/l	100
52) Toluene	10.170	92	323712	51.123	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	160403	50.338	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	191837	51.031	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	88233	49.521	ug/l	98
56) Ethyl methacrylate	10.438	69	114026	50.120	ug/l	98
57) 1,3-Dichloropropane	10.719	76	153113	49.759	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	296879	267.497	ug/l	100
59) 2-Hexanone	10.762	43	257873	245.487	ug/l	100
60) Dibromochloromethane	10.908	129	122629	50.410	ug/l	100
61) 1,2-Dibromoethane	11.018	107	83560	49.995	ug/l	99
64) Tetrachloroethene	10.646	164	145467	51.476	ug/l	96
65) Chlorobenzene	11.444	112	348290	48.969	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	123356	48.882	ug/l	98
67) Ethyl Benzene	11.517	91	621557	50.962	ug/l	100
68) m/p-Xylenes	11.627	106	477594	102.261	ug/l	100
69) o-Xylene	11.956	106	224490	52.072	ug/l	100
70) Styrene	11.969	104	381914	53.132	ug/l	99
71) Bromoform	12.133	173	70694	49.111	ug/l #	100
73) Isopropylbenzene	12.255	105	591014	48.043	ug/l	100
74) N-amyl acetate	12.072	43	130404	45.167	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	95160	43.025	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	72016m	43.864	ug/l	
77) Bromobenzene	12.529	156	135999	46.044	ug/l	99
78) n-propylbenzene	12.597	91	721589	48.790	ug/l	100
79) 2-Chlorotoluene	12.682	91	408230	47.523	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	492564	48.991	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	31441	44.125	ug/l	98
82) 4-Chlorotoluene	12.779	91	426342	47.606	ug/l	100
83) tert-Butylbenzene	12.999	119	434565	48.526	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	488062	49.115	ug/l	100
85) sec-Butylbenzene	13.176	105	638166	48.762	ug/l	100
86) p-Isopropyltoluene	13.292	119	536501	49.600	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	275395	47.325	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	270546	47.056	ug/l	99
89) n-Butylbenzene	13.615	91	496501	49.633	ug/l	99
90) Hexachloroethane	13.877	117	111511	47.044	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	240041	47.385	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15070	43.961	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	137900	50.198	ug/l	100
94) Hexachlorobutadiene	15.023	225	83805	48.847	ug/l	98
95) Naphthalene	15.145	128	228086	50.090	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	118329	50.512	ug/l	99

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

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