

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021850.D
 Acq On : 11 Apr 2025 09:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/14/2025
 Supervised By :Semsettin Yesilyurt 04/14/2025

Quant Time: Apr 12 02:44:50 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	297119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	443480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	386894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	196263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151806	47.156	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.320%			
35) Dibromofluoromethane	7.634	113	154716	53.781	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.560%			
50) Toluene-d8	10.109	98	593879	54.265	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.520%			
62) 4-Bromofluorobenzene	12.407	95	204439	55.227	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	148510	48.224	ug/l	99
3) Chloromethane	2.068	50	175685	40.571	ug/l	99
4) Vinyl Chloride	2.202	62	215226	43.949	ug/l	99
5) Bromomethane	2.592	94	137642	41.209	ug/l	98
6) Chloroethane	2.732	64	143455	44.767	ug/l	99
7) Trichlorofluoromethane	3.055	101	312161	49.760	ug/l	99
8) Diethyl Ether	3.458	74	83429	48.903	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.811	101	172642	52.178	ug/l	98
10) Methyl Iodide	4.000	142	213799	58.901	ug/l	97
11) Tert butyl alcohol	4.860	59	43085	206.054	ug/l	98
12) 1,1-Dichloroethene	3.787	96	160729	51.574	ug/l	95
13) Acrolein	3.653	56	24030	62.939	ug/l	98
14) Allyl chloride	4.385	41	245253	49.357	ug/l	98
15) Acrylonitrile	5.055	53	160485	225.299	ug/l	98
16) Acetone	3.872	43	140115	212.668	ug/l	97
17) Carbon Disulfide	4.104	76	485682	47.315	ug/l	98
18) Methyl Acetate	4.385	43	86045	52.695	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	392324	50.564	ug/l	97
20) Methylene Chloride	4.610	84	172521	53.807	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	176505	51.439	ug/l	99
22) Diisopropyl ether	6.018	45	520584	49.943	ug/l	97
23) Vinyl Acetate	5.957	43	1395888	228.914	ug/l	97
24) 1,1-Dichloroethane	5.915	63	316500	50.780	ug/l	100
25) 2-Butanone	6.890	43	206410	219.344	ug/l	100
26) 2,2-Dichloropropane	6.884	77	289858	52.281	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	201955	52.336	ug/l	97
28) Bromochloromethane	7.244	49	120332	45.778	ug/l	91
29) Tetrahydrofuran	7.262	42	131836	217.681	ug/l	96
30) Chloroform	7.421	83	330395	50.965	ug/l	98
31) Cyclohexane	7.701	56	273074	48.062	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	303409	51.783	ug/l	98
36) 1,1-Dichloropropene	7.835	75	235713	53.794	ug/l	98
37) Ethyl Acetate	6.988	43	94960	45.920	ug/l	98
38) Carbon Tetrachloride	7.817	117	281437	56.078	ug/l	99
39) Methylcyclohexane	9.109	83	293104	55.995	ug/l	99
40) Benzene	8.079	78	703035	53.575	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	57678	52.519	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	187930	50.800	ug/l	99
43) Isopropyl Acetate	8.195	43	186649	47.628	ug/l	98
44) Trichloroethene	8.865	130	191624	57.313	ug/l	99
45) 1,2-Dichloropropane	9.140	63	165477	53.274	ug/l	99
46) Dibromomethane	9.231	93	91924	51.350	ug/l	97
47) Bromodichloromethane	9.426	83	244848	52.785	ug/l	99
48) Methyl methacrylate	9.219	41	90539	50.338	ug/l	98
49) 1,4-Dioxane	9.231	88	19781	1031.494	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	489078	239.815	ug/l	99
52) Toluene	10.170	92	451688	55.170	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	216647	52.583	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	259622	53.414	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	119942	52.065	ug/l	98
56) Ethyl methacrylate	10.438	69	161990	55.069	ug/l	96
57) 1,3-Dichloropropane	10.719	76	207535	52.163	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	385567	268.689	ug/l	98
59) 2-Hexanone	10.761	43	324670	239.043	ug/l	97
60) Dibromochloromethane	10.914	129	170283	54.139	ug/l	99
61) 1,2-Dibromoethane	11.017	107	115322	53.364	ug/l	100
64) Tetrachloroethene	10.646	164	220901	62.690	ug/l	98
65) Chlorobenzene	11.444	112	490509	55.307	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	174220	55.366	ug/l	98
67) Ethyl Benzene	11.517	91	875689	57.580	ug/l	100
68) m/p-Xylenes	11.627	106	668010	114.707	ug/l	99
69) o-Xylene	11.956	106	314535	58.511	ug/l	99
70) Styrene	11.969	104	521332	58.165	ug/l	99
71) Bromoform	12.133	173	98084	54.645	ug/l #	99
73) Isopropylbenzene	12.255	105	840346	57.648	ug/l	100
74) N-amyl acetate	12.072	43	170949	49.969	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	119836	45.724	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	97614m	50.175	ug/l	
77) Bromobenzene	12.529	156	195729	55.923	ug/l	95
78) n-propylbenzene	12.596	91	998462	56.973	ug/l	99
79) 2-Chlorotoluene	12.682	91	565586	55.564	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	682195	57.261	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	40635	48.127	ug/l	97
82) 4-Chlorotoluene	12.779	91	585547	55.178	ug/l	100
83) tert-Butylbenzene	12.999	119	613715	57.834	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	682635	57.973	ug/l	100
85) sec-Butylbenzene	13.176	105	901482	58.131	ug/l	99
86) p-Isopropyltoluene	13.291	119	763533	59.571	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	381636	55.345	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	371844	54.580	ug/l	98
89) n-Butylbenzene	13.615	91	695112	58.642	ug/l	99
90) Hexachloroethane	13.883	117	153528	54.661	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	333381	55.539	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20255	49.864	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	205661	63.179	ug/l	100
94) Hexachlorobutadiene	15.023	225	130880	64.378	ug/l	98
95) Naphthalene	15.145	128	340784	63.159	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	173096	62.357	ug/l	99

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

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