

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022301.D
 Acq On : 16 May 2025 19:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:40:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	169408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	301400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	262982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	124169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	105132	56.783	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.560%			
35) Dibromofluoromethane	7.634	113	95967	53.347	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.700%			
50) Toluene-d8	10.103	98	385048	52.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.520%			
62) 4-Bromofluorobenzene	12.401	95	118638	50.802	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	81891	46.326	ug/l	98
3) Chloromethane	2.068	50	194341	52.264	ug/l	100
4) Vinyl Chloride	2.202	62	261518	62.949	ug/l	97
5) Bromomethane	2.592	94	216391	63.984	ug/l	99
6) Chloroethane	2.732	64	182258	70.518	ug/l	98
7) Trichlorofluoromethane	3.049	101	229841	54.643	ug/l	99
8) Diethyl Ether	3.452	74	57553	57.015	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	91858	50.304	ug/l	98
10) Methyl Iodide	4.000	142	124272	58.800	ug/l	99
11) Tert butyl alcohol	4.866	59	41446	293.143	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	96302	53.144	ug/l	99
13) Acrolein	3.647	56	45853	221.842	ug/l	97
14) Allyl chloride	4.378	41	160107	50.390	ug/l	97
15) Acrylonitrile	5.055	53	122379	294.229	ug/l	99
16) Acetone	3.872	43	90742	261.381	ug/l	98
17) Carbon Disulfide	4.104	76	310118	52.482	ug/l	98
18) Methyl Acetate	4.385	43	78917	72.098	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	289508	57.942	ug/l	96
20) Methylene Chloride	4.610	84	112252	50.040	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	107400	53.696	ug/l	98
22) Diisopropyl ether	6.012	45	357394	53.264	ug/l	96
23) Vinyl Acetate	5.957	43	1023992	252.608	ug/l	98
24) 1,1-Dichloroethane	5.909	63	202421	53.998	ug/l	98
25) 2-Butanone	6.890	43	159016	273.834	ug/l	99
26) 2,2-Dichloropropane	6.878	77	154549	46.353	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	129025	55.900	ug/l	96
28) Bromochloromethane	7.244	49	87604	54.788	ug/l	97
29) Tetrahydrofuran	7.262	42	108553	290.562	ug/l	96
30) Chloroform	7.421	83	202440	56.301	ug/l	96
31) Cyclohexane	7.695	56	171539	45.799	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	172530	52.300	ug/l	100
36) 1,1-Dichloropropene	7.835	75	143691	48.494	ug/l	99
37) Ethyl Acetate	6.982	43	71726	50.310	ug/l	97
38) Carbon Tetrachloride	7.817	117	147865	48.210	ug/l	99
39) Methylcyclohexane	9.109	83	180031	45.224	ug/l	97
40) Benzene	8.079	78	456109	51.925	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	39846	42.134	ug/l #	77
42) 1,2-Dichloroethane	8.152	62	126733	53.352	ug/l	99
43) Isopropyl Acetate	8.195	43	161047	51.797	ug/l #	89
44) Trichloroethene	8.865	130	110550	50.616	ug/l	95
45) 1,2-Dichloropropane	9.140	63	108718	51.337	ug/l	97
46) Dibromomethane	9.231	93	61598	53.928	ug/l	98
47) Bromodichloromethane	9.420	83	155944	52.627	ug/l	97
48) Methyl methacrylate	9.219	41	75248	51.751	ug/l	94
49) 1,4-Dioxane	9.237	88	14407	1116.500	ug/l #	86
51) 4-Methyl-2-Pentanone	9.993	43	412211	270.195	ug/l	98
52) Toluene	10.170	92	284515	51.150	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	147108	50.870	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	169256	51.085	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	78105	53.400	ug/l	98
56) Ethyl methacrylate	10.438	69	120471	52.876	ug/l	99
57) 1,3-Dichloropropane	10.713	76	138601	53.333	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	300672	294.015	ug/l	100
59) 2-Hexanone	10.755	43	270964	264.900	ug/l	98
60) Dibromochloromethane	10.908	129	101289	53.353	ug/l	99
61) 1,2-Dibromoethane	11.011	107	73769	54.113	ug/l	100
64) Tetrachloroethene	10.646	164	117020	48.141	ug/l	96
65) Chlorobenzene	11.438	112	298366	50.288	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	103057	50.525	ug/l	99
67) Ethyl Benzene	11.517	91	552037	49.681	ug/l	98
68) m/p-Xylenes	11.627	106	416782	99.542	ug/l	99
69) o-Xylene	11.950	106	200603	50.639	ug/l	99
70) Styrene	11.969	104	342456	51.248	ug/l	98
71) Bromoform	12.133	173	58041	52.719	ug/l #	99
73) Isopropylbenzene	12.249	105	506442	49.232	ug/l	100
74) N-amyl acetate	12.066	43	145082	49.313	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	86108	54.429	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	62208m	49.451	ug/l	
77) Bromobenzene	12.529	156	111837	50.903	ug/l	100
78) n-propylbenzene	12.590	91	615206	49.582	ug/l	99
79) 2-Chlorotoluene	12.676	91	339182	49.744	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	405753	48.863	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	28728	46.262	ug/l	100
82) 4-Chlorotoluene	12.773	91	345271	49.230	ug/l	98
83) tert-Butylbenzene	12.993	119	369198	50.023	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	411972	49.978	ug/l	98
85) sec-Butylbenzene	13.176	105	538476	49.149	ug/l	100
86) p-Isopropyltoluene	13.291	119	449798	48.814	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	224283	50.006	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	217882	50.503	ug/l	98
89) n-Butylbenzene	13.615	91	423157	48.542	ug/l	99
90) Hexachloroethane	13.877	117	91050	48.950	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	193609	51.391	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13510	52.958	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	107697	49.489	ug/l	100
94) Hexachlorobutadiene	15.023	225	56596	46.635	ug/l	98
95) Naphthalene	15.139	128	217144	52.582	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	93303	50.540	ug/l	99

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

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