

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031425\
 Data File : VY021541.D
 Acq On : 14 Mar 2025 15:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/17/2025
 Supervised By :Semsettin Yesilyurt 03/17/2025

Quant Time: Mar 15 02:03:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	199040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	319825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	289318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116233	55.251	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.500%			
35) Dibromofluoromethane	7.634	113	111505	53.041	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.080%			
50) Toluene-d8	10.109	98	411873	51.744	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.480%			
62) 4-Bromofluorobenzene	12.408	95	145119	53.597	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	78153	42.788	ug/l	97
3) Chloromethane	2.068	50	125842	48.868	ug/l	98
4) Vinyl Chloride	2.202	62	140399	49.891	ug/l	97
5) Bromomethane	2.598	94	100148	49.240	ug/l	97
6) Chloroethane	2.732	64	102339	55.030	ug/l	98
7) Trichlorofluoromethane	3.056	101	218135	55.535	ug/l	98
8) Diethyl Ether	3.458	74	62582	57.492	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	107025	47.724	ug/l	99
10) Methyl Iodide	4.000	142	124262	54.511	ug/l	99
11) Tert butyl alcohol	4.872	59	33493	244.360	ug/l	98
12) 1,1-Dichloroethene	3.787	96	96448	47.173	ug/l	94
13) Acrolein	3.653	56	4761	44.494	ug/l	94
14) Allyl chloride	4.385	41	163375	49.446	ug/l	99
15) Acrylonitrile	5.055	53	124339	268.333	ug/l	99
16) Acetone	3.866	43	94773	206.548	ug/l	95
17) Carbon Disulfide	4.104	76	305905	47.741	ug/l	97
18) Methyl Acetate	4.385	43	65950	64.778	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	272233	52.533	ug/l	99
20) Methylene Chloride	4.616	84	118283	49.109	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	114800	50.137	ug/l	96
22) Diisopropyl ether	6.018	45	383829	53.903	ug/l	97
23) Vinyl Acetate	5.957	43	1049387	258.226	ug/l	98
24) 1,1-Dichloroethane	5.909	63	216581	51.535	ug/l	99
25) 2-Butanone	6.890	43	153810	242.328	ug/l	98
26) 2,2-Dichloropropane	6.884	77	151662	39.220	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	136634	52.527	ug/l	97
28) Bromochloromethane	7.244	49	85516	48.536	ug/l	99
29) Tetrahydrofuran	7.262	42	105711	269.779	ug/l	100
30) Chloroform	7.421	83	231742	53.103	ug/l	97
31) Cyclohexane	7.701	56	177449	45.038	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	201887	50.525	ug/l	99
36) 1,1-Dichloropropene	7.835	75	156596	47.588	ug/l	100
37) Ethyl Acetate	6.982	43	71832	49.388	ug/l	100
38) Carbon Tetrachloride	7.817	117	181383	47.927	ug/l	99
39) Methylcyclohexane	9.109	83	188103	46.601	ug/l	97
40) Benzene	8.079	78	485723	50.107	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	39325	49.656	ug/l #	92
42) 1,2-Dichloroethane	8.158	62	137890	50.847	ug/l	100
43) Isopropyl Acetate	8.195	43	143111	50.687	ug/l #	87
44) Trichloroethene	8.865	130	119584	48.818	ug/l	96
45) 1,2-Dichloropropane	9.140	63	118744	51.469	ug/l	99
46) Dibromomethane	9.231	93	67058	52.239	ug/l	99
47) Bromodichloromethane	9.420	83	178176	52.265	ug/l	98
48) Methyl methacrylate	9.219	41	68148	52.563	ug/l	99
49) 1,4-Dioxane	9.231	88	13500	1071.443	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	390283	267.904	ug/l	99
52) Toluene	10.170	92	306785	50.198	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	150626	50.151	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	175297	49.159	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	88525	52.719	ug/l	99
56) Ethyl methacrylate	10.438	69	116167	54.244	ug/l	99
57) 1,3-Dichloropropane	10.719	76	150828	51.825	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	284656	287.939	ug/l	99
59) 2-Hexanone	10.761	43	256705	266.492	ug/l	99
60) Dibromochloromethane	10.908	129	120607	52.391	ug/l	100
61) 1,2-Dibromoethane	11.011	107	82920	52.322	ug/l	99
64) Tetrachloroethene	10.646	164	129925	55.225	ug/l	95
65) Chlorobenzene	11.444	112	340072	49.776	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	122644	50.774	ug/l	99
67) Ethyl Benzene	11.517	91	594137	49.546	ug/l	99
68) m/p-Xylenes	11.627	106	451992	99.281	ug/l	98
69) o-Xylene	11.956	106	213344	50.846	ug/l	100
70) Styrene	11.969	104	363911	52.280	ug/l	100
71) Bromoform	12.133	173	69752	51.657	ug/l #	100
73) Isopropylbenzene	12.255	105	565087	46.610	ug/l	100
74) N-amyl acetate	12.072	43	128961	48.980	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	99458	46.488	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	77440m	49.932	ug/l	
77) Bromobenzene	12.536	156	132318	46.651	ug/l	99
78) n-propylbenzene	12.597	91	686631	46.634	ug/l	100
79) 2-Chlorotoluene	12.682	91	398301	47.309	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	467533	47.453	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	27928	40.937	ug/l	98
82) 4-Chlorotoluene	12.779	91	411358	47.184	ug/l	100
83) tert-Butylbenzene	12.999	119	414807	47.194	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	466620	47.700	ug/l	99
85) sec-Butylbenzene	13.176	105	607741	46.473	ug/l	100
86) p-Isopropyltoluene	13.291	119	506382	47.002	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	261644	46.342	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	255875	46.341	ug/l	100
89) n-Butylbenzene	13.615	91	469569	47.200	ug/l	99
90) Hexachloroethane	13.877	117	105319	45.823	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	230621	47.659	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15400	48.053	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	128180	48.496	ug/l	98
94) Hexachlorobutadiene	15.023	225	75934	45.832	ug/l	98
95) Naphthalene	15.145	128	221218	49.574	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	111361	50.096	ug/l	99

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

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