

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021776.D
 Acq On : 04 Apr 2025 09:22
 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 04/07/2025
 Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:38:07 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	228718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	308777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	160179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	121896	49.189	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.380%		
35) Dibromofluoromethane	7.634	113	115525	51.952	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.900%		
50) Toluene-d8	10.109	98	446617	52.794	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.580%		
62) 4-Bromofluorobenzene	12.408	95	151449	52.928	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	105148	44.355	ug/l	99
3) Chloromethane	2.068	50	145939	43.781	ug/l	100
4) Vinyl Chloride	2.202	62	165639	43.939	ug/l	99
5) Bromomethane	2.598	94	110489	42.973	ug/l	94
6) Chloroethane	2.733	64	108599	44.025	ug/l	98
7) Trichlorofluoromethane	3.056	101	219380	45.429	ug/l	99
8) Diethyl Ether	3.452	74	57638	43.889	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	117758	46.234	ug/l	98
10) Methyl Iodide	4.001	142	132756	47.511	ug/l	100
11) Tert butyl alcohol	4.866	59	31915	198.281	ug/l	98
12) 1,1-Dichloroethene	3.787	96	109939	45.826	ug/l	97
13) Acrolein	3.653	56	31766	108.084	ug/l	98
14) Allyl chloride	4.385	41	174528	45.628	ug/l	100
15) Acrylonitrile	5.055	53	120986	220.642	ug/l	99
16) Acetone	3.873	43	104133	205.322	ug/l	98
17) Carbon Disulfide	4.104	76	354255	44.833	ug/l	99
18) Methyl Acetate	4.385	43	59191	47.090	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	275214	46.078	ug/l	99
20) Methylene Chloride	4.610	84	118494	47.558	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	122071	46.214	ug/l	97
22) Diisopropyl ether	6.012	45	384515	47.921	ug/l	95
23) Vinyl Acetate	5.958	43	1073117	228.612	ug/l	99
24) 1,1-Dichloroethane	5.915	63	222969	46.472	ug/l	99
25) 2-Butanone	6.890	43	155279	214.357	ug/l	98
26) 2,2-Dichloropropane	6.884	77	199917	46.842	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	139352	46.913	ug/l	99
28) Bromochloromethane	7.244	49	98842	48.848	ug/l	98
29) Tetrahydrofuran	7.262	42	103430	221.852	ug/l	98
30) Chloroform	7.421	83	231492	46.388	ug/l	94
31) Cyclohexane	7.701	56	196299	44.882	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	209951	46.549	ug/l	99
36) 1,1-Dichloropropene	7.835	75	169689	50.100	ug/l	99
37) Ethyl Acetate	6.982	43	71529	44.748	ug/l	98
38) Carbon Tetrachloride	7.817	117	192102	49.520	ug/l	98
39) Methylcyclohexane	9.110	83	204403	50.518	ug/l	97
40) Benzene	8.079	78	499841	49.278	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	36866	43.428	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	137468	48.074	ug/l	100
43) Isopropyl Acetate	8.195	43	140563	46.402	ug/l	99
44) Trichloroethene	8.866	130	128424	49.692	ug/l	99
45) 1,2-Dichloropropane	9.140	63	118428	49.325	ug/l	98
46) Dibromomethane	9.231	93	66580	48.116	ug/l	97
47) Bromodichloromethane	9.420	83	175976	49.080	ug/l	97
48) Methyl methacrylate	9.219	41	67680	48.681	ug/l	98
49) 1,4-Dioxane	9.231	88	13592	916.931	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	380500	241.372	ug/l	99
52) Toluene	10.170	92	321091	50.737	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	156628	49.181	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	184020	48.979	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	86585	48.624	ug/l	99
56) Ethyl methacrylate	10.439	69	116496	51.235	ug/l	97
57) 1,3-Dichloropropane	10.719	76	151785	49.355	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	293090	264.232	ug/l	100
59) 2-Hexanone	10.762	43	255713	243.569	ug/l	100
60) Dibromochloromethane	10.914	129	123226	50.684	ug/l	100
61) 1,2-Dibromoethane	11.018	107	82662	49.485	ug/l	99
64) Tetrachloroethene	10.646	164	139676	49.667	ug/l	99
65) Chlorobenzene	11.444	112	343523	48.533	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	124267	49.482	ug/l	99
67) Ethyl Benzene	11.518	91	615700	50.727	ug/l	99
68) m/p-Xylenes	11.627	106	470149	101.155	ug/l	100
69) o-Xylene	11.957	106	217467	50.688	ug/l	99
70) Styrene	11.969	104	371495	51.933	ug/l	99
71) Bromoform	12.133	173	70273	49.056	ug/l #	99
73) Isopropylbenzene	12.255	105	584770	49.152	ug/l	100
74) N-amyl acetate	12.072	43	128883	46.159	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	94598	44.226	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	76890m	48.426	ug/l	
77) Bromobenzene	12.536	156	135583	47.465	ug/l	98
78) n-propylbenzene	12.597	91	712013	49.780	ug/l	100
79) 2-Chlorotoluene	12.682	91	403179	48.532	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	480341	49.401	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	30582	44.380	ug/l	95
82) 4-Chlorotoluene	12.780	91	420225	48.519	ug/l	100
83) tert-Butylbenzene	12.999	119	422284	48.759	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	480654	50.015	ug/l	100
85) sec-Butylbenzene	13.176	105	628096	49.626	ug/l	100
86) p-Isopropyltoluene	13.292	119	527940	50.469	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	269775	47.936	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	264990	47.658	ug/l	99
89) n-Butylbenzene	13.621	91	487055	50.346	ug/l	100
90) Hexachloroethane	13.883	117	110054	48.010	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	236937	48.364	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14822	44.709	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	131155	49.367	ug/l	99
94) Hexachlorobutadiene	15.023	225	80970	48.800	ug/l	99
95) Naphthalene	15.145	128	214835	48.786	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	112664	49.730	ug/l	100

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

