

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032025\
 Data File : VY021574.D
 Acq On : 20 Mar 2025 11:09
 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 :Amit Patel 03/21/2025
 Supervised By :Mahesh Dadoda 03/21/2025

Quant Time: Mar 21 01:31:55 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	219959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	337182	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	298070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	155271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123206	52.996	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.000%			
35) Dibromofluoromethane	7.634	113	119181	53.774	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.540%			
50) Toluene-d8	10.103	98	436168	51.976	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.960%			
62) 4-Bromofluorobenzene	12.408	95	153625	53.818	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	87379	43.289	ug/l	99
3) Chloromethane	2.068	50	123896	43.537	ug/l	99
4) Vinyl Chloride	2.202	62	149067	47.933	ug/l	99
5) Bromomethane	2.592	94	98811	43.962	ug/l	97
6) Chloroethane	2.732	64	105696	51.430	ug/l	95
7) Trichlorofluoromethane	3.056	101	232267	53.509	ug/l	100
8) Diethyl Ether	3.452	74	58873	48.941	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	118294	47.732	ug/l	99
10) Methyl Iodide	4.000	142	131060	52.025	ug/l	99
11) Tert butyl alcohol	4.860	59	44298	297.329	ug/l	99
12) 1,1-Dichloroethene	3.787	96	107582	47.614	ug/l	99
13) Acrolein	3.653	56	5463	46.199	ug/l	95
14) Allyl chloride	4.378	41	173427	47.496	ug/l	99
15) Acrylonitrile	5.055	53	141285	275.906	ug/l	99
16) Acetone	3.866	43	112533	221.929	ug/l	91
17) Carbon Disulfide	4.104	76	305583	43.155	ug/l	98
18) Methyl Acetate	4.385	43	79985	71.092	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	296937	51.851	ug/l	98
20) Methylene Chloride	4.610	84	121289	45.568	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	120656	47.683	ug/l	94
22) Diisopropyl ether	6.018	45	384292	48.836	ug/l	97
23) Vinyl Acetate	5.957	43	1121418	249.707	ug/l	99
24) 1,1-Dichloroethane	5.909	63	225375	48.527	ug/l	98
25) 2-Butanone	6.884	43	181386	258.596	ug/l	98
26) 2,2-Dichloropropane	6.878	77	199701	46.732	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	140435	48.853	ug/l	98
28) Bromochloromethane	7.244	49	107010	54.959	ug/l	98
29) Tetrahydrofuran	7.256	42	121370	280.283	ug/l	99
30) Chloroform	7.421	83	238370	49.427	ug/l	99
31) Cyclohexane	7.701	56	190199	43.683	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	212459	48.114	ug/l	99
36) 1,1-Dichloropropene	7.835	75	164126	47.308	ug/l	98
37) Ethyl Acetate	6.982	43	83554	54.490	ug/l	99
38) Carbon Tetrachloride	7.817	117	194773	48.816	ug/l	97
39) Methylcyclohexane	9.109	83	200777	47.181	ug/l	99
40) Benzene	8.079	78	495197	48.455	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	46502	55.696	ug/l	97
42) 1,2-Dichloroethane	8.158	62	143072	50.042	ug/l	98
43) Isopropyl Acetate	8.195	43	161556	54.274	ug/l #	90
44) Trichloroethene	8.865	130	128598	49.796	ug/l	100
45) 1,2-Dichloropropane	9.140	63	121269	49.858	ug/l	97
46) Dibromomethane	9.231	93	72294	53.418	ug/l	99
47) Bromodichloromethane	9.420	83	182499	50.778	ug/l	99
48) Methyl methacrylate	9.219	41	74817	54.736	ug/l	95
49) 1,4-Dioxane	9.225	88	17568	1322.530	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	443231	288.587	ug/l	99
52) Toluene	10.170	92	329232	51.098	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	163401	51.604	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	189945	50.525	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	93743	52.952	ug/l	98
56) Ethyl methacrylate	10.438	69	129404	57.314	ug/l	98
57) 1,3-Dichloropropane	10.719	76	160374	52.268	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	287815	276.147	ug/l	99
59) 2-Hexanone	10.761	43	295385	290.862	ug/l	99
60) Dibromochloromethane	10.908	129	127078	52.360	ug/l	100
61) 1,2-Dibromoethane	11.011	107	87667	52.470	ug/l	100
64) Tetrachloroethene	10.646	164	137523	56.739	ug/l	99
65) Chlorobenzene	11.438	112	346955	49.292	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	125682	50.504	ug/l	99
67) Ethyl Benzene	11.517	91	611432	49.491	ug/l	98
68) m/p-Xylenes	11.627	106	469024	99.997	ug/l	100
69) o-Xylene	11.956	106	220832	51.085	ug/l	98
70) Styrene	11.969	104	377454	52.633	ug/l	99
71) Bromoform	12.133	173	75841	54.518	ug/l #	97
73) Isopropylbenzene	12.255	105	597306	48.835	ug/l	99
74) N-amyl acetate	12.072	43	140643	52.947	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	109695	50.823	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	81330m	51.980	ug/l	
77) Bromobenzene	12.529	156	139019	48.583	ug/l	99
78) n-propylbenzene	12.597	91	720756	48.522	ug/l	100
79) 2-Chlorotoluene	12.682	91	409969	48.268	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	488166	49.112	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	34651	50.345	ug/l	96
82) 4-Chlorotoluene	12.779	91	423488	48.149	ug/l	99
83) tert-Butylbenzene	12.999	119	442622	49.917	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	488589	49.508	ug/l	99
85) sec-Butylbenzene	13.176	105	646008	48.966	ug/l	99
86) p-Isopropyltoluene	13.291	119	545177	50.159	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	277496	48.719	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	266588	47.857	ug/l	99
89) n-Butylbenzene	13.615	91	509654	50.780	ug/l	99
90) Hexachloroethane	13.883	117	112588	48.556	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	244964	50.178	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	17141	53.016	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	142761	53.539	ug/l	97
94) Hexachlorobutadiene	15.023	225	87330	52.247	ug/l	99
95) Naphthalene	15.145	128	257284	56.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	123783	55.195	ug/l	100

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

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