

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021725\
 Data File : VY021224.D
 Acq On : 17 Feb 2025 16:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 18 00:49:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/18/2025
 Supervised By :Mahesh Dadoda 02/18/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	153123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	241946	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	213667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	104994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	83611	53.294	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.580%			
35) Dibromofluoromethane	7.646	113	80021	51.608	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.220%			
50) Toluene-d8	10.115	98	303904	51.483	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.960%			
62) 4-Bromofluorobenzene	12.414	95	106276	55.108	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	65313	47.857	ug/l	93
3) Chloromethane	2.074	50	71137	52.823	ug/l	99
4) Vinyl Chloride	2.214	62	74424	54.905	ug/l	100
5) Bromomethane	2.604	94	45042	53.763	ug/l	99
6) Chloroethane	2.745	64	47177	58.467	ug/l	98
7) Trichlorofluoromethane	3.068	101	129446	52.418	ug/l	98
8) Diethyl Ether	3.464	74	41652	54.029	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.830	101	80194	51.741	ug/l	96
10) Methyl Iodide	4.019	142	95721	55.590	ug/l	92
11) Tert butyl alcohol	4.884	59	24384	229.356	ug/l #	90
12) 1,1-Dichloroethene	3.799	96	77787	53.279	ug/l	90
13) Acrolein	3.659	56	22496	137.411	ug/l	97
14) Allyl chloride	4.397	41	139840	56.831	ug/l	94
15) Acrylonitrile	5.073	53	88115	274.480	ug/l	99
16) Acetone	3.885	43	65688	268.485	ug/l	93
17) Carbon Disulfide	4.116	76	225902	49.343	ug/l	99
18) Methyl Acetate	4.397	43	50450	58.740	ug/l	96
19) Methyl tert-butyl Ether	5.128	73	208419	56.479	ug/l	99
20) Methylene Chloride	4.628	84	84953	55.855	ug/l	90
21) trans-1,2-Dichloroethene	5.128	96	87324	54.337	ug/l	95
22) Diisopropyl ether	6.025	45	300376	59.225	ug/l	97
23) Vinyl Acetate	5.970	43	802254	283.748	ug/l	97
24) 1,1-Dichloroethane	5.927	63	170590	57.408	ug/l	98
25) 2-Butanone	6.902	43	109033	271.196	ug/l	99
26) 2,2-Dichloropropane	6.896	77	149095	54.226	ug/l	96
27) cis-1,2-Dichloroethene	6.902	96	105315	56.933	ug/l	93
28) Bromochloromethane	7.256	49	66013	56.180	ug/l	95
29) Tetrahydrofuran	7.268	42	73431	269.918	ug/l	96
30) Chloroform	7.433	83	176217	57.734	ug/l	100
31) Cyclohexane	7.713	56	134100	50.114	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	159001	56.031	ug/l	100
36) 1,1-Dichloropropene	7.841	75	121769	53.020	ug/l	99
37) Ethyl Acetate	7.000	43	53854	53.452	ug/l	99
38) Carbon Tetrachloride	7.829	117	143481	53.467	ug/l	97
39) Methylcyclohexane	9.115	83	146034	51.984	ug/l	97
40) Benzene	8.085	78	375095	55.654	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	26082	44.747	ug/l	92
42) 1,2-Dichloroethane	8.164	62	104136	55.699	ug/l	97
43) Isopropyl Acetate	8.201	43	109103	54.498	ug/l	97
44) Trichloroethene	8.872	130	92926	53.366	ug/l	99
45) 1,2-Dichloropropane	9.146	63	91033	56.906	ug/l	99
46) Dibromomethane	9.237	93	48118	54.326	ug/l	96
47) Bromodichloromethane	9.432	83	135266	56.944	ug/l	95
48) Methyl methacrylate	9.225	41	50420	55.291	ug/l	93
49) 1,4-Dioxane	9.237	88	9145	1109.106	ug/l	90
51) 4-Methyl-2-Pentanone	10.006	43	275710	273.870	ug/l	97
52) Toluene	10.176	92	236660	55.922	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	120316	56.408	ug/l	97
54) cis-1,3-Dichloropropene	9.865	75	143275	56.732	ug/l	92
55) 1,1,2-Trichloroethane	10.579	97	62884	54.827	ug/l	99
56) Ethyl methacrylate	10.444	69	87036	56.724	ug/l	91
57) 1,3-Dichloropropane	10.725	76	111056	55.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	191674	262.579	ug/l	100
59) 2-Hexanone	10.768	43	180458	278.405	ug/l	96
60) Dibromochloromethane	10.920	129	89017	55.265	ug/l	99
61) 1,2-Dibromoethane	11.024	107	58716	54.654	ug/l	99
64) Tetrachloroethene	10.652	164	79214	49.941	ug/l	98
65) Chlorobenzene	11.450	112	258832	54.403	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.524	131	93249	55.153	ug/l	97
67) Ethyl Benzene	11.524	91	465459	55.313	ug/l	97
68) m/p-Xylenes	11.633	106	342892	108.922	ug/l	97
69) o-Xylene	11.962	106	165046	56.233	ug/l	97
70) Styrene	11.975	104	277521	56.732	ug/l	98
71) Bromoform	12.139	173	50421	53.577	ug/l #	98
73) Isopropylbenzene	12.261	105	440025	53.652	ug/l	100
74) N-amyl acetate	12.078	43	97519	54.386	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	69928	51.266	ug/l	98
76) 1,2,3-Trichloropropane	12.566	75	42628m	44.757	ug/l	
77) Bromobenzene	12.542	156	101761	53.767	ug/l	93
78) n-propylbenzene	12.603	91	520626	53.289	ug/l	99
79) 2-Chlorotoluene	12.688	91	300761	53.749	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	353828	53.211	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	23036	49.352	ug/l	95
82) 4-Chlorotoluene	12.786	91	305115	53.518	ug/l	99
83) tert-Butylbenzene	13.005	119	323109	53.459	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	358874	55.197	ug/l	100
85) sec-Butylbenzene	13.182	105	459000	52.757	ug/l	98
86) p-Isopropyltoluene	13.298	119	384282	53.172	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	191979	52.534	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	187505	52.111	ug/l	99
89) n-Butylbenzene	13.627	91	354069	53.702	ug/l	99
90) Hexachloroethane	13.889	117	81502	54.057	ug/l	87
91) 1,2-Dichlorobenzene	13.669	146	166061	52.355	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	10597	51.989	ug/l	99
93) 1,2,4-Trichlorobenzene	14.931	180	100325	56.824	ug/l	99
94) Hexachlorobutadiene	15.035	225	64613	55.226	ug/l	99
95) Naphthalene	15.157	128	169638	60.057	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	85414	58.133	ug/l	98

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

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