

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
 Data File : VY021316.D
 Acq On : 25 Feb 2025 16:49
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 26 01:47:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 01:41:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	190677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	300486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	267150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	208535	96.407	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 192.820%#			
35) Dibromofluoromethane	7.634	113	193803	98.377	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.760%#			
50) Toluene-d8	10.103	98	752895	98.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 197.780%#			
62) 4-Bromofluorobenzene	12.408	95	252327	98.477	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 196.960%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	170537	94.332	ug/l	97
3) Chloromethane	2.068	50	217555	93.180	ug/l	99
4) Vinyl Chloride	2.202	62	221196	96.523	ug/l	97
5) Bromomethane	2.592	94	136840	89.858	ug/l	100
6) Chloroethane	2.732	64	135372	95.259	ug/l	99
7) Trichlorofluoromethane	3.056	101	331928	95.909	ug/l	95
8) Diethyl Ether	3.452	74	100381	96.637	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	193544	96.593	ug/l	99
10) Methyl Iodide	4.000	142	228728	108.503	ug/l	100
11) Tert butyl alcohol	4.854	59	65742	395.134	ug/l	99
12) 1,1-Dichloroethene	3.787	96	186684	97.304	ug/l	99
13) Acrolein	3.653	56	11267	88.370	ug/l	99
14) Allyl chloride	4.378	41	339203	99.720	ug/l	99
15) Acrylonitrile	5.055	53	219275	477.449	ug/l	99
16) Acetone	3.866	43	196435	473.421	ug/l	99
17) Carbon Disulfide	4.104	76	617661	96.953	ug/l	100
18) Methyl Acetate	4.385	43	95405	94.085	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	498467	98.337	ug/l	99
20) Methylene Chloride	4.616	84	201698	89.894	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	208498	98.718	ug/l	96
22) Diisopropyl ether	6.018	45	697290	99.061	ug/l	97
23) Vinyl Acetate	5.957	43	2103219	500.017	ug/l	99
24) 1,1-Dichloroethane	5.909	63	384030	96.798	ug/l	99
25) 2-Butanone	6.890	43	303077	483.977	ug/l	97
26) 2,2-Dichloropropane	6.884	77	350870	97.467	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	238916	99.061	ug/l	99
28) Bromochloromethane	7.244	49	167271	95.287	ug/l	99
29) Tetrahydrofuran	7.256	42	199056	486.299	ug/l	98
30) Chloroform	7.421	83	387767	96.458	ug/l	99
31) Cyclohexane	7.701	56	351876	92.269	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	353701	96.663	ug/l	98
36) 1,1-Dichloropropene	7.835	75	287472	97.146	ug/l	100
37) Ethyl Acetate	6.982	43	137233	93.230	ug/l	99
38) Carbon Tetrachloride	7.817	117	321576	96.663	ug/l	99
39) Methylcyclohexane	9.109	83	371172	99.169	ug/l	99
40) Benzene	8.079	78	847066	96.835	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	77542	94.219	ug/l	99
42) 1,2-Dichloroethane	8.152	62	236704	95.375	ug/l	100
43) Isopropyl Acetate	8.195	43	280321	98.388	ug/l	99
44) Trichloroethene	8.865	130	212562	97.057	ug/l	99
45) 1,2-Dichloropropane	9.140	63	201701	95.814	ug/l	98
46) Dibromomethane	9.231	93	110814	96.301	ug/l	99
47) Bromodichloromethane	9.420	83	297320	96.904	ug/l	99
48) Methyl methacrylate	9.219	41	135412	101.635	ug/l	99
49) 1,4-Dioxane	9.225	88	24355	1903.504	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	716009	490.938	ug/l	100
52) Toluene	10.170	92	539016	99.189	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	284731	101.290	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	328107	98.870	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	142372	94.975	ug/l	98
56) Ethyl methacrylate	10.438	69	216586	104.564	ug/l	98
57) 1,3-Dichloropropane	10.719	76	255903	97.283	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	530695	533.791	ug/l	100
59) 2-Hexanone	10.761	43	485734	507.115	ug/l	99
60) Dibromochloromethane	10.908	129	199225	97.582	ug/l	99
61) 1,2-Dibromoethane	11.011	107	136284	96.029	ug/l	98
64) Tetrachloroethene	10.646	164	189679	93.936	ug/l	99
65) Chlorobenzene	11.438	112	576109	96.070	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	203696	97.007	ug/l	99
67) Ethyl Benzene	11.517	91	1057129	99.522	ug/l	100
68) m/p-Xylenes	11.627	106	783034	195.986	ug/l	100
69) o-Xylene	11.956	106	370964	99.112	ug/l	100
70) Styrene	11.969	104	619437	99.469	ug/l	99
71) Bromoform	12.133	173	114495	95.313	ug/l #	99
73) Isopropylbenzene	12.255	105	987758	100.648	ug/l	99
74) N-amyl acetate	12.072	43	258576	103.658	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	162941	94.075	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	123844m	94.206	ug/l	
77) Bromobenzene	12.529	156	223081	97.728	ug/l	98
78) n-propylbenzene	12.596	91	1186751	99.651	ug/l	100
79) 2-Chlorotoluene	12.682	91	666071	97.455	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	794247	98.676	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	58806	100.031	ug/l	99
82) 4-Chlorotoluene	12.779	91	687385	97.022	ug/l	100
83) tert-Butylbenzene	12.999	119	720480	99.092	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	795840	99.415	ug/l	100
85) sec-Butylbenzene	13.176	105	1041022	98.021	ug/l	100
86) p-Isopropyltoluene	13.291	119	881757	99.431	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	435489	96.445	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	425301	95.343	ug/l	99
89) n-Butylbenzene	13.621	91	840236	100.683	ug/l	100
90) Hexachloroethane	13.883	117	181015	97.720	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	377453	95.410	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	26541	96.867	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	248146	102.770	ug/l	100
94) Hexachlorobutadiene	15.023	225	147103	96.770	ug/l	99
95) Naphthalene	15.145	128	436817	109.220	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	211313	103.581	ug/l	98

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

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