

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052323\
 Data File : VY013832.D
 Acq On : 23 May 2023 12:53
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2023
 Supervised By :Mahesh Dadoda 05/24/2023

Quant Time: May 24 05:06:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:01:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	269813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	412081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	361332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	171249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	293617	94.064	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 188.120%#			
35) Dibromofluoromethane	7.722	113	261828	98.386	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.780%#			
50) Toluene-d8	10.185	98	982172	97.105	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 194.220%#			
62) 4-Bromofluorobenzene	12.483	95	327980	97.553	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 195.100%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	284289	115.029	ug/l	97
3) Chloromethane	2.113	50	324818	107.880	ug/l	100
4) Vinyl Chloride	2.253	62	335505	108.962	ug/l	98
5) Bromomethane	2.656	94	258485	105.639	ug/l	99
6) Chloroethane	2.796	64	214900	107.107	ug/l	99
7) Trichlorofluoromethane	3.131	101	542127	104.614	ug/l	100
8) Diethyl Ether	3.534	74	163550	102.895	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.906	101	292131	103.989	ug/l	99
10) Methyl Iodide	4.095	142	403573	121.008	ug/l	100
11) Tert butyl alcohol	4.985	59	116371	486.663	ug/l	99
12) 1,1-Dichloroethene	3.881	96	287027	108.755	ug/l	95
13) Acrolein	3.735	56	165072	458.926	ug/l	98
14) Allyl chloride	4.485	41	528761	109.740	ug/l	99
15) Acrylonitrile	5.168	53	419272	514.461	ug/l	99
16) Acetone	3.954	43	478710	516.714	ug/l	100
17) Carbon Disulfide	4.204	76	924418	117.343	ug/l	100
18) Methyl Acetate	4.491	43	320670	99.769	ug/l	99
19) Methyl tert-butyl Ether	5.229	73	778968	108.153	ug/l	98
20) Methylene Chloride	4.723	84	323528	101.084	ug/l	98
21) trans-1,2-Dichloroethene	5.229	96	316054	110.164	ug/l	98
22) Diisopropyl ether	6.125	45	1008477	108.403	ug/l	99
23) Vinyl Acetate	6.064	43	3031036	559.393	ug/l	99
24) 1,1-Dichloroethane	6.027	63	580100	106.812	ug/l	99
25) 2-Butanone	6.997	43	588346	520.436	ug/l	96
26) 2,2-Dichloropropane	6.990	77	514546	105.179	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	342100	106.147	ug/l	99
28) Bromochloromethane	7.338	49	143247	89.860	ug/l	100
29) Tetrahydrofuran	7.356	42	351132	520.232	ug/l	100
30) Chloroform	7.515	83	564418	102.506	ug/l	98
31) Cyclohexane	7.789	56	501699	104.610	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	528313	105.175	ug/l	99
36) 1,1-Dichloropropene	7.923	75	443788	109.485	ug/l	100
37) Ethyl Acetate	7.082	43	252218	102.008	ug/l	99
38) Carbon Tetrachloride	7.905	117	482128	104.591	ug/l	99
39) Methylcyclohexane	9.191	83	539090	113.564	ug/l	99
40) Benzene	8.167	78	1238444	106.375	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	146550	108.631	ug/l	90
42) 1,2-Dichloroethane	8.240	62	393396	103.204	ug/l	99
43) Isopropyl Acetate	8.277	43	470330	104.387	ug/l	99
44) Trichloroethene	8.947	130	330450	105.354	ug/l	100
45) 1,2-Dichloropropane	9.222	63	309937	103.921	ug/l	99
46) Dibromomethane	9.307	93	177398	103.859	ug/l	99
47) Bromodichloromethane	9.502	83	433929	104.246	ug/l	98
48) Methyl methacrylate	9.295	41	230198	108.803	ug/l	100
49) 1,4-Dioxane	9.307	88	41068	2045.821	ug/l #	100
51) 4-Methyl-2-Pentanone	10.075	43	1252900	521.795	ug/l	99
52) Toluene	10.246	92	768921	108.321	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	455798	107.572	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	508936	107.216	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	237424	103.321	ug/l	98
56) Ethyl methacrylate	10.514	69	337326	109.969	ug/l	99
57) 1,3-Dichloropropane	10.795	76	405819	103.695	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	456037	465.934	ug/l	100
59) 2-Hexanone	10.837	43	902772	528.567	ug/l	99
60) Dibromochloromethane	10.990	129	300343	103.324	ug/l	100
61) 1,2-Dibromoethane	11.093	107	228253	104.415	ug/l	99
64) Tetrachloroethene	10.721	164	282164	105.541	ug/l	98
65) Chlorobenzene	11.520	112	790220	104.346	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	303002	103.666	ug/l	100
67) Ethyl Benzene	11.593	91	1491968	109.476	ug/l	100
68) m/p-Xylenes	11.703	106	1124215	217.977	ug/l	99
69) o-Xylene	12.032	106	525866	108.244	ug/l	100
70) Styrene	12.044	104	888782	108.002	ug/l	98
71) Bromoform	12.209	173	196246	102.727	ug/l #	97
73) Isopropylbenzene	12.331	105	1397398	109.635	ug/l	100
74) N-amyl acetate	12.142	43	420627	109.763	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	272690	103.349	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	215244m	106.596	ug/l	
77) Bromobenzene	12.611	156	329689	105.417	ug/l	99
78) n-propylbenzene	12.672	91	1712661	108.765	ug/l	100
79) 2-Chlorotoluene	12.758	91	947510	107.727	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	1131578	107.553	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	101259	108.853	ug/l	98
82) 4-Chlorotoluene	12.855	91	959931	105.593	ug/l	98
83) tert-Butylbenzene	13.075	119	981532	107.114	ug/l	100
84) 1,2,4-Trimethylbenzene	13.124	105	1125826	109.011	ug/l	100
85) sec-Butylbenzene	13.252	105	1459229	107.201	ug/l	99
86) p-Isopropyltoluene	13.367	119	1207029	107.286	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	618953	102.468	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	621674	103.376	ug/l	99
89) n-Butylbenzene	13.697	91	1175072	108.915	ug/l	99
90) Hexachloroethane	13.959	117	237746	102.923	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	551171	102.673	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	47934	103.693	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	357944	107.556	ug/l	99
94) Hexachlorobutadiene	15.111	225	213640	101.813	ug/l	99
95) Naphthalene	15.233	128	731102	95.480	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	312969	105.749	ug/l	99

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

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