

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013771.D
 Acq On : 17 May 2023 11:45
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023

Quant Time: May 18 06:38:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:33:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	264485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	418750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	373282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	176776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	294965	96.004	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 192.000%#			
35) Dibromofluoromethane	7.728	113	267630	99.666	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 199.340%#			
50) Toluene-d8	10.185	98	1024302	100.617	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 201.240%#			
62) 4-Bromofluorobenzene	12.483	95	341725	101.060	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 202.120%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	187073	98.513	ug/l	100
3) Chloromethane	2.119	50	271883	94.438	ug/l	97
4) Vinyl Chloride	2.259	62	279426	97.201	ug/l	100
5) Bromomethane	2.656	94	241600	94.775	ug/l	98
6) Chloroethane	2.796	64	187583	94.932	ug/l	99
7) Trichlorofluoromethane	3.131	101	408601	97.659	ug/l	100
8) Diethyl Ether	3.534	74	135279	96.628	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	239938	97.987	ug/l	99
10) Methyl Iodide	4.101	142	293773	109.199	ug/l	99
11) Tert butyl alcohol	4.978	59	113373	455.493	ug/l	100
12) 1,1-Dichloroethene	3.881	96	219807	99.034	ug/l	98
13) Acrolein	3.735	56	214243	481.829	ug/l	98
14) Allyl chloride	4.491	41	441455	100.969	ug/l	98
15) Acrylonitrile	5.173	53	399327	486.381	ug/l	99
16) Acetone	3.960	43	457028	493.036	ug/l	98
17) Carbon Disulfide	4.204	76	606952	95.166	ug/l	99
18) Methyl Acetate	4.485	43	300655	93.033	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	687194	102.051	ug/l	98
20) Methylene Chloride	4.722	84	265304	101.222	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	250967	100.419	ug/l	93
22) Diisopropyl ether	6.131	45	954330	102.615	ug/l	94
23) Vinyl Acetate	6.070	43	2815731	523.205	ug/l	99
24) 1,1-Dichloroethane	6.027	63	503638	99.063	ug/l	100
25) 2-Butanone	6.996	43	603935	501.187	ug/l	99
26) 2,2-Dichloropropane	6.990	77	439761	101.264	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	296500	100.684	ug/l	97
28) Bromochloromethane	7.338	49	166112	93.381	ug/l	99
29) Tetrahydrofuran	7.356	42	355383	492.895	ug/l	100
30) Chloroform	7.515	83	503551	98.289	ug/l	98
31) Cyclohexane	7.795	56	417186	94.704	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	441460	100.947	ug/l	99
36) 1,1-Dichloropropene	7.923	75	371144	100.033	ug/l	100
37) Ethyl Acetate	7.082	43	247775	97.086	ug/l	99
38) Carbon Tetrachloride	7.911	117	393167	100.450	ug/l	98
39) Methylcyclohexane	9.191	83	435854	103.356	ug/l	99
40) Benzene	8.167	78	1063105	98.601	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	124425	101.061	ug/l	88
42) 1,2-Dichloroethane	8.240	62	334876	96.127	ug/l	99
43) Isopropyl Acetate	8.277	43	465535	100.499	ug/l	100
44) Trichloroethene	8.947	130	277114	98.319	ug/l	98
45) 1,2-Dichloropropane	9.222	63	294876	99.528	ug/l	98
46) Dibromomethane	9.313	93	161964	97.608	ug/l	99
47) Bromodichloromethane	9.502	83	388036	98.746	ug/l	97
48) Methyl methacrylate	9.295	41	223893	105.221	ug/l	97
49) 1,4-Dioxane	9.313	88	39802	1954.420	ug/l	99
51) 4-Methyl-2-Pentanone	10.075	43	1279044	495.840	ug/l	99
52) Toluene	10.246	92	663859	101.564	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	412030	101.695	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	454164	100.465	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	220284	97.608	ug/l	99
56) Ethyl methacrylate	10.514	69	318464	105.739	ug/l	98
57) 1,3-Dichloropropane	10.794	76	378711	97.540	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	514960	471.939	ug/l	99
59) 2-Hexanone	10.837	43	928810	506.553	ug/l	100
60) Dibromochloromethane	10.990	129	272336	99.588	ug/l	99
61) 1,2-Dibromoethane	11.093	107	211725	99.488	ug/l	98
64) Tetrachloroethene	10.721	164	230952	97.532	ug/l	98
65) Chlorobenzene	11.520	112	696761	98.617	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	271733	98.981	ug/l	99
67) Ethyl Benzene	11.593	91	1304975	103.941	ug/l	98
68) m/p-Xylenes	11.709	106	974168	207.162	ug/l	99
69) o-Xylene	12.032	106	463866	103.697	ug/l	99
70) Styrene	12.044	104	798881	105.150	ug/l	99
71) Bromoform	12.209	173	182680	100.724	ug/l #	98
73) Isopropylbenzene	12.331	105	1260487	105.325	ug/l	99
74) N-amyl acetate	12.148	43	425067	104.663	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	275929	97.328	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	227412m	106.554	ug/l	
77) Bromobenzene	12.611	156	292553	101.337	ug/l	99
78) n-propylbenzene	12.672	91	1550367	105.166	ug/l	99
79) 2-Chlorotoluene	12.758	91	862359	103.647	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1026840	105.225	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	99261	103.293	ug/l	99
82) 4-Chlorotoluene	12.855	91	887338	102.383	ug/l	99
83) tert-Butylbenzene	13.075	119	918632	108.099	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	1009941	105.594	ug/l	100
85) sec-Butylbenzene	13.257	105	1352742	105.502	ug/l	100
86) p-Isopropyltoluene	13.373	119	1093817	105.644	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	565550	100.628	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	561554	99.368	ug/l	100
89) n-Butylbenzene	13.696	91	1089000	107.282	ug/l	99
90) Hexachloroethane	13.965	117	220316	100.696	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	510408	101.986	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	44597	97.084	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	322761	108.677	ug/l	100
94) Hexachlorobutadiene	15.117	225	188983	102.434	ug/l	99
95) Naphthalene	15.239	128	668771	113.458	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	286276	107.136	ug/l	100

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

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