

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014624.D
 Acq On : 13 Jul 2023 10:42
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 14 02:00:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 01:52:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Mahesh Dadoda 07/14/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	329817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	546640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	479710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	229317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	374819	99.729	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 199.460%#			
35) Dibromofluoromethane	7.716	113	346449	99.561	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 199.120%#			
50) Toluene-d8	10.179	98	1252312	97.614	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 195.220%#			
62) 4-Bromofluorobenzene	12.477	95	478847	97.342	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 194.680%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	265419	98.776	ug/l	99
3) Chloromethane	2.107	50	299140	99.036	ug/l	99
4) Vinyl Chloride	2.241	62	340996	101.014	ug/l	97
5) Bromomethane	2.619	94	203224	91.096	ug/l	100
6) Chloroethane	2.777	64	214736	101.836	ug/l	96
7) Trichlorofluoromethane	3.107	101	592403	104.488	ug/l	99
8) Diethyl Ether	3.521	74	217297	103.010	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.887	101	364275	104.826	ug/l	94
10) Methyl Iodide	4.076	142	395612	104.672	ug/l	95
11) Tert butyl alcohol	4.948	59	352144	505.947	ug/l #	86
12) 1,1-Dichloroethene	3.856	96	338851	104.331	ug/l	93
13) Acrolein	3.722	56	199290	507.324	ug/l	99
14) Allyl chloride	4.466	41	595397	103.246	ug/l	95
15) Acrylonitrile	5.155	53	619309	532.399	ug/l	98
16) Acetone	3.942	43	615937	517.165	ug/l	91
17) Carbon Disulfide	4.180	76	935990	100.660	ug/l	98
18) Methyl Acetate	4.466	43	487446	106.651	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	1104741	104.712	ug/l	99
20) Methylene Chloride	4.704	84	387854	104.881	ug/l	94
21) trans-1,2-Dichloroethene	5.204	96	378006	102.557	ug/l	99
22) Diisopropyl ether	6.112	45	1221147	104.155	ug/l	91
23) Vinyl Acetate	6.051	43	3699195	527.238	ug/l	95
24) 1,1-Dichloroethane	6.009	63	695136	103.620	ug/l	97
25) 2-Butanone	6.978	43	906808	520.434	ug/l	97
26) 2,2-Dichloropropane	6.972	77	645535	100.967	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	441746	102.965	ug/l	97
28) Bromochloromethane	7.325	49	283822	98.235	ug/l	96
29) Tetrahydrofuran	7.338	42	569527	530.832	ug/l	94
30) Chloroform	7.502	83	711561	102.860	ug/l	97
31) Cyclohexane	7.777	56	603381	96.712	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	652000	104.720	ug/l	99
36) 1,1-Dichloropropene	7.911	75	543162	104.376	ug/l	100
37) Ethyl Acetate	7.069	43	380768	106.275	ug/l #	95
38) Carbon Tetrachloride	7.892	117	579149	105.281	ug/l	99
39) Methylcyclohexane	9.179	83	696351	102.711	ug/l	97
40) Benzene	8.154	78	1527187	103.187	ug/l	100

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41) Methacrylonitrile	7.301	41	166827m	88.050	ug/l	
42) 1,2-Dichloroethane	8.234	62	492092	104.995	ug/l	95
43) Isopropyl Acetate	8.270	43	721819	105.760	ug/l	97
44) Trichloroethene	8.935	130	425420	102.735	ug/l	97
45) 1,2-Dichloropropane	9.209	63	399722	103.430	ug/l	98
46) Dibromomethane	9.301	93	242796	103.560	ug/l	95
47) Bromodichloromethane	9.490	83	577600	104.529	ug/l	98
48) Methyl methacrylate	9.288	41	329556	107.310	ug/l	94
49) 1,4-Dioxane	9.295	88	81932	2143.184	ug/l #	59
51) 4-Methyl-2-Pentanone	10.069	43	1900034	530.224	ug/l	95
52) Toluene	10.239	92	978585	103.329	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	630515	104.316	ug/l	99
54) cis-1,3-Dichloropropene	9.922	75	677367	103.054	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	340799	104.354	ug/l	97
56) Ethyl methacrylate	10.508	69	534113	107.115	ug/l	92
57) 1,3-Dichloropropane	10.788	76	583911	103.662	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	1187244	511.005	ug/l	95
59) 2-Hexanone	10.831	43	1389268	531.625	ug/l	93
60) Dibromochloromethane	10.983	129	417987	104.390	ug/l	100
61) 1,2-Dibromoethane	11.087	107	339016	104.058	ug/l	99
64) Tetrachloroethene	10.715	164	380719	98.679	ug/l	97
65) Chlorobenzene	11.514	112	1055986	103.300	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	396858	102.964	ug/l	98
67) Ethyl Benzene	11.587	91	1893502	102.591	ug/l	99
68) m/p-Xylenes	11.697	106	1439492	204.316	ug/l	98
69) o-Xylene	12.026	106	705032	102.740	ug/l	99
70) Styrene	12.044	104	1188097	102.724	ug/l	99
71) Bromoform	12.203	173	273786	104.796	ug/l #	100
73) Isopropylbenzene	12.324	105	1868120	104.041	ug/l	99
74) N-amyl acetate	12.142	43	658969	109.578	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	435530	106.365	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	305504m	104.103	ug/l	
77) Bromobenzene	12.605	156	429502	104.791	ug/l	92
78) n-propylbenzene	12.666	91	2263757	104.626	ug/l	100
79) 2-Chlorotoluene	12.751	91	1303863	104.624	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	1553124	103.572	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	163124	109.052	ug/l	96
82) 4-Chlorotoluene	12.849	91	1336444	104.125	ug/l	98
83) tert-Butylbenzene	13.074	119	1389592	104.465	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	1521782	103.407	ug/l	99
85) sec-Butylbenzene	13.251	105	2024890	103.770	ug/l	100
86) p-Isopropyltoluene	13.367	119	1653501	103.785	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	823622	103.249	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	827368	103.503	ug/l	98
89) n-Butylbenzene	13.690	91	1626778	104.952	ug/l	96
90) Hexachloroethane	13.958	117	343148	104.861	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	757927	103.704	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	84461	107.860	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	499582	107.682	ug/l	97
94) Hexachlorobutadiene	15.111	225	269631	105.758	ug/l	98
95) Naphthalene	15.232	128	1193673	110.436	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	447366	108.499	ug/l	98

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

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