

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077028.D
 Acq On : 17 Mar 2023 11:01
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/20/2023
 Supervised By : Mahesh Dadoda 03/20/2023

Quant Time: Mar 18 01:31:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 01:17:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	375709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	679694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	603299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	263786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	117073	19.508	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.020%#		
35) Dibromofluoromethane	8.172	113	90529	19.630	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.260%#		
50) Toluene-d8	10.572	98	328308	19.309	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.620%#		
62) 4-Bromofluorobenzene	12.854	95	115641	19.247	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	38.500%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	71065	19.294	ug/l	95
3) Chloromethane	2.378	50	74245	19.613	ug/l	96
4) Vinyl Chloride	2.531	62	82846	20.276	ug/l	96
5) Bromomethane	2.960	94	54665	19.807	ug/l	94
6) Chloroethane	3.137	64	48555	18.780	ug/l	95
7) Trichlorofluoromethane	3.513	101	174125	19.809	ug/l	98
8) Diethyl Ether	3.972	74	65606	19.832	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.384	101	96579	19.369	ug/l	99
10) Methyl Iodide	4.607	142	115310	20.532	ug/l	96
11) Tert butyl alcohol	5.531	59	85509	97.781	ug/l #	85
12) 1,1-Dichloroethene	4.354	96	89882	19.705	ug/l	99
13) Acrolein	4.196	56	104136	96.277	ug/l	99
14) Allyl chloride	5.043	41	161416m	18.950	ug/l	
15) Acrylonitrile	5.737	53	291875	99.282	ug/l	98
16) Acetone	4.443	43	258608	96.711	ug/l	97
17) Carbon Disulfide	4.725	76	253806	19.082	ug/l	96
18) Methyl Acetate	5.037	43	200860	19.920	ug/l	100
19) Methyl tert-butyl Ether	5.807	73	326686	19.955	ug/l	100
20) Methylene Chloride	5.290	84	110624	19.062	ug/l	96
21) trans-1,2-Dichloroethene	5.801	96	98653	19.954	ug/l	96
22) Diisopropyl ether	6.684	45	377115	20.612	ug/l	99
23) Vinyl Acetate	6.613	43	1341744	119.217	ug/l	99
24) 1,1-Dichloroethane	6.578	63	206597	19.733	ug/l	99
25) 2-Butanone	7.490	43	389284	99.517	ug/l	99
26) 2,2-Dichloropropane	7.501	77	158833	20.163	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	114339	20.193	ug/l	98
28) Bromochloromethane	7.819	49	85315	18.764	ug/l	97
29) Tetrahydrofuran	7.848	42	262180	103.431	ug/l	99
30) Chloroform	7.972	83	203836	20.059	ug/l	97
31) Cyclohexane	8.260	56	194334	19.792	ug/l	99
32) 1,1,1-Trichloroethane	8.178	97	173287	19.952	ug/l	95
36) 1,1-Dichloropropene	8.378	75	150112	20.191	ug/l	100
37) Ethyl Acetate	7.572	43	159536	20.056	ug/l	99
38) Carbon Tetrachloride	8.366	117	145574	20.102	ug/l	96
39) Methylcyclohexane	9.607	83	179976	20.682	ug/l	98
40) Benzene	8.613	78	451815	20.038	ug/l	98

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41) Methacrylonitrile	7.784	41	82692m	19.995	ug/l	
42) 1,2-Dichloroethane	8.678	62	156700	19.232	ug/l	100
43) Isopropyl Acetate	8.695	43	251379	20.230	ug/l	98
44) Trichloroethene	9.354	130	100449	19.395	ug/l	93
45) 1,2-Dichloropropane	9.625	63	121350	20.264	ug/l	99
46) Dibromomethane	9.713	93	74694	19.777	ug/l	100
47) Bromodichloromethane	9.895	83	156882	19.805	ug/l	97
48) Methyl methacrylate	9.684	41	120501	20.284	ug/l	99
49) 1,4-Dioxane	9.695	88	43256	426.315	ug/l	94
51) 4-Methyl-2-Pentanone	10.448	43	798255	103.158	ug/l	100
52) Toluene	10.631	92	278290	20.671	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	161161	20.759	ug/l	98
54) cis-1,3-Dichloropropene	10.319	75	179957	20.544	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	106091	19.984	ug/l	99
56) Ethyl methacrylate	10.878	69	166657	20.877	ug/l	100
57) 1,3-Dichloropropane	11.166	76	194753	20.038	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.160	63	357284	104.981	ug/l	100
59) 2-Hexanone	11.195	43	583646	103.988	ug/l	98
60) Dibromochloromethane	11.360	129	107121	20.088	ug/l	98
61) 1,2-Dibromoethane	11.472	107	103992	19.754	ug/l	99
64) Tetrachloroethene	11.107	164	81368	20.096	ug/l	96
65) Chlorobenzene	11.895	112	274335	19.763	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.966	131	99771	19.425	ug/l	99
67) Ethyl Benzene	11.966	91	513841	20.380	ug/l	98
68) m/p-Xylenes	12.072	106	388162	41.511	ug/l	100
69) o-Xylene	12.401	106	191141	20.572	ug/l	100
70) Styrene	12.413	104	309704	21.410	ug/l	99
71) Bromoform	12.583	173	70241	20.181	ug/l #	99
73) Isopropylbenzene	12.701	105	493306	20.868	ug/l	99
74) N-amyl acetate	12.495	43	211562	20.676	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	162175	18.936	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	146796m	21.512	ug/l	
77) Bromobenzene	12.983	156	105693	19.959	ug/l	97
78) n-propylbenzene	13.036	91	579046	21.219	ug/l	99
79) 2-Chlorotoluene	13.130	91	354265	20.373	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	421701	21.366	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	48955	19.749	ug/l	90
82) 4-Chlorotoluene	13.224	91	341844	20.674	ug/l	100
83) tert-Butylbenzene	13.442	119	346194	20.891	ug/l	98
84) 1,2,4-Trimethylbenzene	13.483	105	427358	21.698	ug/l	99
85) sec-Butylbenzene	13.619	105	506555	21.489	ug/l	99
86) p-Isopropyltoluene	13.730	119	406533	21.475	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	197795	19.763	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	191963	19.278	ug/l	99
89) n-Butylbenzene	14.060	91	342384	20.617	ug/l	99
90) Hexachloroethane	14.336	117	74889	19.458	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	200910	20.139	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	30807	19.413	ug/l	99
93) 1,2,4-Trichlorobenzene	15.395	180	93716	20.780	ug/l	100
94) Hexachlorobutadiene	15.507	225	49403	19.891	ug/l	99
95) Naphthalene	15.642	128	312145	19.041	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	90731	20.050	ug/l	96

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

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