

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040523\
 Data File : VN077257.D
 Acq On : 05 Apr 2023 12:03
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 05 12:34:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 05 11:06:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/06/2023
 Supervised By : Mahesh Dadoda 04/06/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	535631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1014786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	915815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	384060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	131269	23.805	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	47.620%#		
35) Dibromofluoromethane	8.172	113	114962	18.358	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.720%#		
50) Toluene-d8	10.572	98	456707	20.168	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.340%#		
62) 4-Bromofluorobenzene	12.854	95	150343	20.055	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	40.120%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	137222	50.131	ug/l	99
3) Chloromethane	2.372	50	161265	45.654	ug/l	98
4) Vinyl Chloride	2.519	62	231387	60.103	ug/l	96
5) Bromomethane	2.955	94	156996	56.722	ug/l	92
6) Chloroethane	3.125	64	160666	49.911	ug/l #	87
7) Trichlorofluoromethane	3.508	101	198816	22.796	ug/l	93
8) Diethyl Ether	3.972	74	79470	23.661	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.378	101	117817	22.626	ug/l	92
10) Methyl Iodide	4.602	142	150121	23.511	ug/l	93
11) Tert butyl alcohol	5.537	59	147690	165.071	ug/l	100
12) 1,1-Dichloroethene	4.349	96	115695	24.028	ug/l	96
13) Acrolein	4.190	56	136902	144.200	ug/l	99
14) Allyl chloride	5.031	41	173124	20.744	ug/l #	86
15) Acrylonitrile	5.731	53	328657	111.716	ug/l	98
16) Acetone	4.443	43	259469	94.636	ug/l	98
17) Carbon Disulfide	4.725	76	335671	26.186	ug/l	99
18) Methyl Acetate	5.031	43	197232	19.127	ug/l	90
19) Methyl tert-butyl Ether	5.802	73	423882	26.307	ug/l #	89
20) Methylene Chloride	5.290	84	140018	22.814	ug/l	88
21) trans-1,2-Dichloroethene	5.796	96	132422	25.152	ug/l	88
22) Diisopropyl ether	6.678	45	375016	21.247	ug/l #	87
23) Vinyl Acetate	6.613	43	1275606	120.442	ug/l #	92
24) 1,1-Dichloroethane	6.578	63	236946	22.854	ug/l	98
25) 2-Butanone	7.490	43	428740	110.006	ug/l	91
26) 2,2-Dichloropropane	7.496	77	223296	29.112	ug/l	98
27) cis-1,2-Dichloroethene	7.496	96	163218	25.921	ug/l	91
28) Bromochloromethane	7.819	49	92124	20.362	ug/l	93
29) Tetrahydrofuran	7.843	42	273198	111.487	ug/l #	83
30) Chloroform	7.972	83	252365	24.710	ug/l	99
31) Cyclohexane	8.266	56	219313	22.549	ug/l	87
32) 1,1,1-Trichloroethane	8.172	97	231351	26.853	ug/l	94
36) 1,1-Dichloropropene	8.378	75	187098	20.352	ug/l	98
37) Ethyl Acetate	7.566	43	171556	18.600	ug/l	96
38) Carbon Tetrachloride	8.366	117	195712	20.762	ug/l	97
39) Methylcyclohexane	9.607	83	255781	22.686	ug/l	89
40) Benzene	8.613	78	593816	20.574	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.790	41	89811	17.814	ug/l	90
42) 1,2-Dichloroethane	8.678	62	180298	19.091	ug/l	98
43) Isopropyl Acetate	8.696	43	310622	21.469	ug/l #	96
44) Trichloroethene	9.354	130	143293	19.188	ug/l	99
45) 1,2-Dichloropropane	9.625	63	143219	18.653	ug/l	92
46) Dibromomethane	9.713	93	103841	21.273	ug/l #	83
47) Bromodichloromethane	9.890	83	202834	21.104	ug/l	97
48) Methyl methacrylate	9.684	41	135955	19.481	ug/l #	80
49) 1,4-Dioxane	9.701	88	68851	518.596	ug/l #	84
51) 4-Methyl-2-Pentanone	10.448	43	927808	101.275	ug/l	97
52) Toluene	10.637	92	385946	22.107	ug/l	99
53) t-1,3-Dichloropropene	10.837	75	231216	24.391	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	249934	22.695	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	152383	21.101	ug/l	98
56) Ethyl methacrylate	10.878	69	241991	24.207	ug/l	90
57) 1,3-Dichloropropane	11.166	76	252235	20.561	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	303685	87.879	ug/l	97
59) 2-Hexanone	11.201	43	685137	103.052	ug/l	97
60) Dibromochloromethane	11.360	129	157773	21.028	ug/l	97
61) 1,2-Dibromoethane	11.472	107	151402	21.594	ug/l	97
64) Tetrachloroethene	11.107	164	115376	17.205	ug/l	92
65) Chlorobenzene	11.895	112	403296	20.858	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.966	131	146351	19.751	ug/l	94
67) Ethyl Benzene	11.966	91	740622	22.720	ug/l	98
68) m/p-Xylenes	12.072	106	583278	46.005	ug/l	99
69) o-Xylene	12.401	106	294637	24.099	ug/l	97
70) Styrene	12.413	104	466199	23.951	ug/l	98
71) Bromoform	12.578	173	105958	18.218	ug/l #	99
73) Isopropylbenzene	12.701	105	743126	25.948	ug/l	98
74) N-amyl acetate	12.495	43	271751	25.738	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.942	83	231146	23.207	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	198232m	23.094	ug/l	
77) Bromobenzene	12.983	156	150417	19.614	ug/l	86
78) n-propylbenzene	13.036	91	817055	25.870	ug/l	100
79) 2-Chlorotoluene	13.131	91	487932	24.018	ug/l	99
80) 1,3,5-Trimethylbenzene	13.178	105	599274	26.032	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.742	75	78892m	26.278	ug/l	
82) 4-Chlorotoluene	13.225	91	455868	23.881	ug/l	98
83) tert-Butylbenzene	13.442	119	527396	25.145	ug/l	98
84) 1,2,4-Trimethylbenzene	13.483	105	593570	26.402	ug/l	98
85) sec-Butylbenzene	13.619	105	750802	26.512	ug/l	97
86) p-Isopropyltoluene	13.730	119	591598	25.614	ug/l	97
87) 1,3-Dichlorobenzene	13.736	146	280577	20.852	ug/l	96
88) 1,4-Dichlorobenzene	13.813	146	273322	20.588	ug/l	96
89) n-Butylbenzene	14.060	91	479395	25.914	ug/l	98
90) Hexachloroethane	14.336	117	131180	27.301	ug/l	64
91) 1,2-Dichlorobenzene	14.107	146	280125	21.196	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.725	75	43053	25.874	ug/l	88
93) 1,2,4-Trichlorobenzene	15.372	180	103042	20.037	ug/l	95
94) Hexachlorobutadiene	15.466	225	54423	12.371	ug/l	98
95) Naphthalene	15.589	128	405094	29.630	ug/l	99
96) 1,2,3-Trichlorobenzene	15.754	180	95809	18.972	ug/l	95

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

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