

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077371.D
 Acq On : 19 Apr 2023 13:32
 Operator : JC\MD
 Sample : VN0419WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/20/2023
 Supervised By : Mahesh Dadoda 04/22/2023

Quant Time: Apr 20 04:25:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	429564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	810660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	737732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	315566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	289242	49.266	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.540%		
35) Dibromofluoromethane	8.172	113	260301	50.158	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.320%		
50) Toluene-d8	10.572	98	958215	45.866	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.740%		
62) 4-Bromofluorobenzene	12.848	95	326696	47.018	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.131	85	119372	21.772	ug/l	99
3) Chloromethane	2.372	50	107821	15.869	ug/l	95
4) Vinyl Chloride	2.525	62	144551	15.692	ug/l	96
5) Bromomethane	2.960	94	125391	18.775	ug/l	100
6) Chloroethane	3.131	64	107091	16.289	ug/l	97
7) Trichlorofluoromethane	3.507	101	188689	23.622	ug/l	97
8) Diethyl Ether	3.966	74	76107	22.737	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.378	101	115187	23.563	ug/l	99
10) Methyl Iodide	4.601	142	135659	22.818	ug/l	91
11) Tert butyl alcohol	5.525	59	109137	91.101	ug/l	100
12) 1,1-Dichloroethene	4.348	96	109347	21.730	ug/l	87
13) Acrolein	4.184	56	110565	97.448	ug/l	96
14) Allyl chloride	5.031	41	126517	16.647	ug/l #	83
15) Acrylonitrile	5.725	53	270127	101.994	ug/l	99
16) Acetone	4.437	43	222669	102.865	ug/l	99
17) Carbon Disulfide	4.719	76	255828	18.853	ug/l	98
18) Methyl Acetate	5.037	43	167683	20.339	ug/l	94
19) Methyl tert-butyl Ether	5.801	73	403531	22.600	ug/l	99
20) Methylene Chloride	5.290	84	129621	21.203	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	119204	21.636	ug/l	97
22) Diisopropyl ether	6.678	45	322163	21.144	ug/l	96
23) Vinyl Acetate	6.613	43	1206529m	117.112	ug/l	
24) 1,1-Dichloroethane	6.578	63	212938	21.642	ug/l	98
25) 2-Butanone	7.484	43	339541	96.648	ug/l	100
26) 2,2-Dichloropropane	7.501	77	209075	23.173	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	155620	23.130	ug/l	97
28) Bromochloromethane	7.819	49	86838	21.941	ug/l	92
29) Tetrahydrofuran	7.842	42	215710	95.516	ug/l	97
30) Chloroform	7.972	83	249101	23.741	ug/l	99
31) Cyclohexane	8.260	56	182511	20.006	ug/l	98
32) 1,1,1-Trichloroethane	8.172	97	219926	23.047	ug/l	95
36) 1,1-Dichloropropene	8.372	75	169603	22.097	ug/l	98
37) Ethyl Acetate	7.566	43	141826	20.652	ug/l	98
38) Carbon Tetrachloride	8.366	117	188819	24.011	ug/l	97
39) Methylcyclohexane	9.601	83	233083	22.521	ug/l	92
40) Benzene	8.613	78	538856	22.508	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	69883	18.932	ug/l	89
42) 1,2-Dichloroethane	8.672	62	178823	24.269	ug/l	99
43) Isopropyl Acetate	8.689	43	254417	20.077	ug/l	97
44) Trichloroethene	9.354	130	136306	23.795	ug/l	96
45) 1,2-Dichloropropane	9.625	63	131223	23.079	ug/l	91
46) Dibromomethane	9.713	93	103162	24.081	ug/l	98
47) Bromodichloromethane	9.889	83	199534	23.303	ug/l #	95
48) Methyl methacrylate	9.683	41	109066	20.176	ug/l	96
49) 1,4-Dioxane	9.695	88	51785	395.132	ug/l	93
51) 4-Methyl-2-Pentanone	10.448	43	728229	99.423	ug/l	98
52) Toluene	10.630	92	355228	22.669	ug/l	97
53) t-1,3-Dichloropropene	10.836	75	213950	23.011	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	229690	23.192	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	144809	23.541	ug/l	96
56) Ethyl methacrylate	10.877	69	211942	22.121	ug/l	97
57) 1,3-Dichloropropane	11.166	76	246279	24.234	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	253172	88.767	ug/l	96
59) 2-Hexanone	11.195	43	533755	97.815	ug/l	100
60) Dibromochloromethane	11.360	129	158689	25.048	ug/l	100
61) 1,2-Dibromoethane	11.472	107	147166	23.970	ug/l	99
64) Tetrachloroethene	11.101	164	111191	24.398	ug/l	90
65) Chlorobenzene	11.895	112	387660	23.868	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.960	131	144520	23.516	ug/l	98
67) Ethyl Benzene	11.966	91	692590	23.108	ug/l	100
68) m/p-Xylenes	12.071	106	532507	45.218	ug/l	100
69) o-Xylene	12.401	106	270577	23.290	ug/l	100
70) Styrene	12.413	104	427436	22.863	ug/l	98
71) Bromoform	12.577	173	101413	23.442	ug/l #	100
73) Isopropylbenzene	12.701	105	682635	22.271	ug/l	100
74) N-amyl acetate	12.495	43	216240	18.616	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	210554	21.890	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	175584m	23.366	ug/l	
77) Bromobenzene	12.983	156	145046	23.273	ug/l	95
78) n-propylbenzene	13.036	91	759867	22.437	ug/l	100
79) 2-Chlorotoluene	13.130	91	462370	22.674	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	541022	22.100	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.736	75	64496	19.314	ug/l	94
82) 4-Chlorotoluene	13.224	91	437593	22.760	ug/l	99
83) tert-Butylbenzene	13.442	119	497058	22.811	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	520906	21.538	ug/l	98
85) sec-Butylbenzene	13.618	105	696594	22.938	ug/l	100
86) p-Isopropyltoluene	13.730	119	555125	23.259	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	268311	23.271	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	254984	22.425	ug/l	97
89) n-Butylbenzene	14.060	91	430339	21.720	ug/l	100
90) Hexachloroethane	14.336	117	112895	21.634	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	265853	23.048	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	36464	20.003	ug/l	97
93) 1,2,4-Trichlorobenzene	15.371	180	72960	17.522	ug/l	98
94) Hexachlorobutadiene	15.465	225	56526	23.452	ug/l	98
95) Naphthalene	15.589	128	263640	16.855	ug/l	99
96) 1,2,3-Trichlorobenzene	15.759	180	68375	17.168	ug/l	98

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

