

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077062.D
 Acq On : 20 Mar 2023 12:28
 Operator : JC\MD
 Sample : VN0320WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2023
 Supervised By : Mahesh Dadoda 03/21/2023

Quant Time: Mar 21 05:34:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	409008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	710042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	632375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	281524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	306180	46.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.740%		
35) Dibromofluoromethane	8.172	113	237845	47.832	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.660%		
50) Toluene-d8	10.572	98	899973	50.667	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.340%		
62) 4-Bromofluorobenzene	12.848	95	320766	51.105	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.200%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	74324	18.489	ug/l	99
3) Chloromethane	2.372	50	76248	18.503	ug/l	100
4) Vinyl Chloride	2.525	62	85190	19.152	ug/l	93
5) Bromomethane	2.966	94	56325	18.747	ug/l	99
6) Chloroethane	3.131	64	66821	23.741	ug/l	95
7) Trichlorofluoromethane	3.513	101	185097	19.343	ug/l	95
8) Diethyl Ether	3.978	74	70752	19.646	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.384	101	105396	19.417	ug/l	99
10) Methyl Iodide	4.601	142	117655	19.244	ug/l	95
11) Tert butyl alcohol	5.531	59	91192	95.790	ug/l	98
12) 1,1-Dichloroethene	4.354	96	98525	19.841	ug/l	99
13) Acrolein	4.190	56	115975	98.494	ug/l	99
14) Allyl chloride	5.037	41	168958	18.586	ug/l	96
15) Acrylonitrile	5.731	53	296068	92.509	ug/l	99
16) Acetone	4.437	43	310542	106.677	ug/l	99
17) Carbon Disulfide	4.725	76	265026	18.304	ug/l	98
18) Methyl Acetate	5.037	43	202194	18.419	ug/l	98
19) Methyl tert-butyl Ether	5.807	73	350407	19.662	ug/l	98
20) Methylene Chloride	5.284	84	118995	18.835	ug/l	99
21) trans-1,2-Dichloroethene	5.795	96	105589	19.618	ug/l	94
22) Diisopropyl ether	6.684	45	397096	19.937	ug/l	99
23) Vinyl Acetate	6.613	43	1212469	96.467	ug/l	98
24) 1,1-Dichloroethane	6.584	63	221670	19.449	ug/l	99
25) 2-Butanone	7.489	43	412980	96.979	ug/l	100
26) 2,2-Dichloropropane	7.501	77	173883	20.276	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	126502	20.522	ug/l	96
28) Bromochloromethane	7.819	49	72385	14.624	ug/l	99
29) Tetrahydrofuran	7.842	42	265871	96.348	ug/l	99
30) Chloroform	7.972	83	216052	19.531	ug/l	99
31) Cyclohexane	8.260	56	208882	19.541	ug/l	99
32) 1,1,1-Trichloroethane	8.172	97	183806	19.441	ug/l	96
36) 1,1-Dichloropropene	8.378	75	161723	20.823	ug/l	99
37) Ethyl Acetate	7.566	43	157975	19.011	ug/l	98
38) Carbon Tetrachloride	8.366	117	160455	21.210	ug/l	97
39) Methylcyclohexane	9.607	83	196254	21.588	ug/l	99
40) Benzene	8.613	78	487435	20.694	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	90396	20.193	ug/l	97
42) 1,2-Dichloroethane	8.672	62	174838	20.541	ug/l	100
43) Isopropyl Acetate	8.695	43	260706	20.083	ug/l	98
44) Trichloroethene	9.354	130	110713	20.463	ug/l	96
45) 1,2-Dichloropropane	9.625	63	130677	20.889	ug/l	100
46) Dibromomethane	9.707	93	79892	20.249	ug/l	99
47) Bromodichloromethane	9.889	83	166996	20.181	ug/l	98
48) Methyl methacrylate	9.683	41	126697	20.416	ug/l	99
49) 1,4-Dioxane	9.695	88	42583	401.744	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	802547	99.280	ug/l	100
52) Toluene	10.630	92	298947	21.257	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	174795	21.552	ug/l	97
54) cis-1,3-Dichloropropene	10.313	75	194214	21.224	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	114485	20.644	ug/l	99
56) Ethyl methacrylate	10.877	69	171598	20.577	ug/l	99
57) 1,3-Dichloropropane	11.166	76	205799	20.269	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.160	63	353085	99.313	ug/l	99
59) 2-Hexanone	11.195	43	600414	102.404	ug/l	99
60) Dibromochloromethane	11.360	129	116195	20.858	ug/l	99
61) 1,2-Dibromoethane	11.472	107	109419	19.896	ug/l	98
64) Tetrachloroethene	11.107	164	88645	20.887	ug/l	96
65) Chlorobenzene	11.895	112	298523	20.517	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.966	131	109113	20.267	ug/l	100
67) Ethyl Benzene	11.966	91	564558	21.361	ug/l	98
68) m/p-Xylenes	12.071	106	426950	43.560	ug/l	99
69) o-Xylene	12.401	106	208765	21.436	ug/l	100
70) Styrene	12.413	104	339093	22.364	ug/l	100
71) Bromoform	12.577	173	77013	21.110	ug/l #	99
73) Isopropylbenzene	12.701	105	545216	21.611	ug/l	100
74) N-amyl acetate	12.495	43	218245	19.986	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	169660	18.562	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	150619m	20.684	ug/l	
77) Bromobenzene	12.983	156	115337	20.408	ug/l	97
78) n-propylbenzene	13.036	91	646321	22.192	ug/l	100
79) 2-Chlorotoluene	13.124	91	394951	21.282	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	467737	22.205	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	49850	18.843	ug/l	87
82) 4-Chlorotoluene	13.224	91	380109	21.539	ug/l	99
83) tert-Butylbenzene	13.442	119	384420	21.736	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	468504	22.288	ug/l	98
85) sec-Butylbenzene	13.618	105	565627	22.483	ug/l	100
86) p-Isopropyltoluene	13.730	119	457115	22.626	ug/l	98
87) 1,3-Dichlorobenzene	13.736	146	217798	20.390	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	216005	20.325	ug/l	99
89) n-Butylbenzene	14.060	91	394208	22.242	ug/l	99
90) Hexachloroethane	14.336	117	82150	20.000	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	218669	20.538	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	32933	19.445	ug/l	98
93) 1,2,4-Trichlorobenzene	15.395	180	103760	21.557	ug/l	98
94) Hexachlorobutadiene	15.507	225	57779	21.797	ug/l	99
95) Naphthalene	15.642	128	334240	19.098	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	103138	21.355	ug/l	99

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

