

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076930.D
 Acq On : 10 Mar 2023 17:37
 Operator : JC\MD
 Sample : VN0310WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/13/2023
 Supervised By : Mahesh Dadoda 03/13/2023

Quant Time: Mar 13 01:20:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	338856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	561246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	498238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	230789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	252921	50.017	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.040%			
35) Dibromofluoromethane	8.172	113	180722	48.315	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.620%			
50) Toluene-d8	10.572	98	667735	48.437	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.880%			
62) 4-Bromofluorobenzene	12.848	95	257973	51.161	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	124873	20.459	ug/l	98
3) Chloromethane	2.378	50	55001	16.653	ug/l	97
4) Vinyl Chloride	2.531	62	54357	17.730	ug/l	93
5) Bromomethane	2.966	94	43155	19.137	ug/l	96
6) Chloroethane	3.137	64	34921	17.943	ug/l	99
7) Trichlorofluoromethane	3.513	101	151603	19.058	ug/l	100
8) Diethyl Ether	3.972	74	49700	19.419	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.384	101	76044	18.711	ug/l	98
10) Methyl Iodide	4.607	142	81092	19.064	ug/l #	88
11) Tert butyl alcohol	5.537	59	69455	98.737	ug/l	100
12) 1,1-Dichloroethene	4.360	96	68505	18.290	ug/l	94
13) Acrolein	4.190	56	60654	95.929	ug/l	98
14) Allyl chloride	5.043	41	106525	19.825	ug/l #	83
15) Acrylonitrile	5.731	53	188799	94.968	ug/l	99
16) Acetone	4.443	43	164250	93.738	ug/l	92
17) Carbon Disulfide	4.725	76	191081	18.417	ug/l	100
18) Methyl Acetate	5.037	43	122411	18.943	ug/l	89
19) Methyl tert-butyl Ether	5.807	73	269077	20.204	ug/l	99
20) Methylene Chloride	5.290	84	81734	18.141	ug/l	88
21) trans-1,2-Dichloroethene	5.796	96	75909	19.117	ug/l	85
22) Diisopropyl ether	6.684	45	228684	19.237	ug/l	93
23) Vinyl Acetate	6.613	43	733071	100.138	ug/l	94
24) 1,1-Dichloroethane	6.578	63	141528	18.638	ug/l	99
25) 2-Butanone	7.495	43	234828	94.229	ug/l #	87
26) 2,2-Dichloropropane	7.495	77	124544	18.534	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	88751	19.370	ug/l	88
28) Bromochloromethane	7.819	49	48715	17.735	ug/l	88
29) Tetrahydrofuran	7.842	42	150152	97.207	ug/l	89
30) Chloroform	7.972	83	157239	19.272	ug/l	92
31) Cyclohexane	8.260	56	129256	17.816	ug/l	93
32) 1,1,1-Trichloroethane	8.178	97	146794	19.190	ug/l	98
36) 1,1-Dichloropropene	8.378	75	113992	19.704	ug/l	96
37) Ethyl Acetate	7.566	43	96223	20.799	ug/l	95
38) Carbon Tetrachloride	8.372	117	133161	19.667	ug/l	92
39) Methylcyclohexane	9.607	83	135370	19.277	ug/l #	86
40) Benzene	8.613	78	329742	19.337	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.790	41	49373	17.935	ug/l	92
42) 1,2-Dichloroethane	8.678	62	132227	19.880	ug/l	93
43) Isopropyl Acetate	8.689	43	162163	19.856	ug/l	95
44) Trichloroethene	9.360	130	83258	18.892	ug/l	94
45) 1,2-Dichloropropane	9.625	63	82046	19.555	ug/l	99
46) Dibromomethane	9.713	93	58310	19.900	ug/l	94
47) Bromodichloromethane	9.895	83	123445	19.858	ug/l	95
48) Methyl methacrylate	9.684	41	78257	19.557	ug/l #	84
49) 1,4-Dioxane	9.695	88	30297	399.857	ug/l #	85
51) 4-Methyl-2-Pentanone	10.448	43	489671	99.811	ug/l	95
52) Toluene	10.631	92	205039	19.537	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	123966	20.003	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	133437	19.606	ug/l #	92
55) 1,1,2-Trichloroethane	11.019	97	81985	20.078	ug/l	95
56) Ethyl methacrylate	10.878	69	125302	20.231	ug/l #	85
57) 1,3-Dichloropropane	11.166	76	145111	20.153	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.166	63	201239	102.034	ug/l	98
59) 2-Hexanone	11.195	43	354829	99.194	ug/l	92
60) Dibromochloromethane	11.360	129	91349	20.305	ug/l	99
61) 1,2-Dibromoethane	11.472	107	81711	19.965	ug/l	99
64) Tetrachloroethene	11.107	164	80027	19.846	ug/l	92
65) Chlorobenzene	11.895	112	209922	18.836	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.960	131	84768	19.484	ug/l	96
67) Ethyl Benzene	11.966	91	404717	19.749	ug/l	95
68) m/p-Xylenes	12.072	106	295858	38.411	ug/l	84
69) o-Xylene	12.401	106	148565	19.868	ug/l	84
70) Styrene	12.413	104	247615	20.497	ug/l #	93
71) Bromoform	12.583	173	62987	19.977	ug/l #	96
73) Isopropylbenzene	12.695	105	396734	19.292	ug/l	95
74) N-amyl acetate	12.495	43	130757	19.204	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.936	83	111574	18.439	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	119566m	21.369	ug/l	
77) Bromobenzene	12.983	156	89037	19.367	ug/l	91
78) n-propylbenzene	13.036	91	450811	19.686	ug/l	98
79) 2-Chlorotoluene	13.130	91	285657	19.236	ug/l	93
80) 1,3,5-Trimethylbenzene	13.177	105	344902	19.689	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.742	75	35408	20.671	ug/l #	78
82) 4-Chlorotoluene	13.224	91	275626	19.642	ug/l	91
83) tert-Butylbenzene	13.442	119	290191	19.499	ug/l	90
84) 1,2,4-Trimethylbenzene	13.483	105	348148	19.864	ug/l	91
85) sec-Butylbenzene	13.619	105	404852	19.846	ug/l	96
86) p-Isopropyltoluene	13.730	119	339604	20.615	ug/l	93
87) 1,3-Dichlorobenzene	13.736	146	161114	19.229	ug/l	97
88) 1,4-Dichlorobenzene	13.813	146	158773	18.890	ug/l	97
89) n-Butylbenzene	14.060	91	274583	19.975	ug/l	98
90) Hexachloroethane	14.336	117	59805	18.893	ug/l	88
91) 1,2-Dichlorobenzene	14.107	146	163313	19.403	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	25311	18.946	ug/l	87
93) 1,2,4-Trichlorobenzene	15.395	180	88535	18.923	ug/l	97
94) Hexachlorobutadiene	15.507	225	48703	19.538	ug/l	95
95) Naphthalene	15.642	128	280041	20.104	ug/l	100
96) 1,2,3-Trichlorobenzene	15.848	180	88092	19.389	ug/l	98

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

