

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050923\
 Data File : VN077633.D
 Acq On : 09 May 2023 15:42
 Operator : JC\MD
 Sample : VN0509WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/10/2023
 Supervised By : Mahesh Dadoda 05/10/2023

Quant Time: May 10 04:45:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050923W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 09 13:52:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	552017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	992086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	915595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	375267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	362058	51.716	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.440%			
35) Dibromofluoromethane	8.172	113	317981	51.392	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.780%			
50) Toluene-d8	10.572	98	1240841	52.969	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.940%			
62) 4-Bromofluorobenzene	12.848	95	431664	54.481	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	121749	19.731	ug/l	96
3) Chloromethane	2.372	50	92558	16.641	ug/l	98
4) Vinyl Chloride	2.525	62	132410	17.988	ug/l	97
5) Bromomethane	2.972	94	108817	18.619	ug/l	96
6) Chloroethane	3.131	64	88046	17.250	ug/l	99
7) Trichlorofluoromethane	3.501	101	184843	16.020	ug/l	97
8) Diethyl Ether	3.966	74	66528	19.612	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.372	101	107558	18.656	ug/l	97
10) Methyl Iodide	4.595	142	155029	18.298	ug/l	95
11) Tert butyl alcohol	5.525	59	76655	93.078	ug/l	98
12) 1,1-Dichloroethene	4.354	96	99537	18.169	ug/l	99
13) Acrolein	4.190	56	82635	103.529	ug/l	97
14) Allyl chloride	5.037	41	96590	17.752	ug/l #	83
15) Acrylonitrile	5.731	53	194437	95.451	ug/l	97
16) Acetone	4.437	43	151661	91.225	ug/l	95
17) Carbon Disulfide	4.719	76	238331	18.091	ug/l	98
18) Methyl Acetate	5.031	43	125182	18.995	ug/l	97
19) Methyl tert-butyl Ether	5.801	73	343235	19.040	ug/l	98
20) Methylene Chloride	5.290	84	122709	17.811	ug/l	94
21) trans-1,2-Dichloroethene	5.795	96	113287	18.282	ug/l	97
22) Diisopropyl ether	6.678	45	250941	18.682	ug/l	93
23) Vinyl Acetate	6.607	43	663386	89.113	ug/l	98
24) 1,1-Dichloroethane	6.572	63	184109	18.080	ug/l	97
25) 2-Butanone	7.489	43	217627	89.561	ug/l	95
26) 2,2-Dichloropropane	7.495	77	165299	17.912	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	135975	18.039	ug/l	97
28) Bromochloromethane	7.819	49	79658	21.439	ug/l	88
29) Tetrahydrofuran	7.842	42	140966	94.441	ug/l	93
30) Chloroform	7.972	83	222542	18.441	ug/l	95
31) Cyclohexane	8.266	56	155944	17.430	ug/l	89
32) 1,1,1-Trichloroethane	8.172	97	195548	17.599	ug/l	98
36) 1,1-Dichloropropene	8.378	75	157572	18.454	ug/l	99
37) Ethyl Acetate	7.566	43	98701	20.215	ug/l	98
38) Carbon Tetrachloride	8.366	117	167045	17.907	ug/l	97
39) Methylcyclohexane	9.601	83	196973	18.583	ug/l	98
40) Benzene	8.613	78	471773	18.263	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	50283	18.849	ug/l	91
42) 1,2-Dichloroethane	8.678	62	162223	18.728	ug/l	98
43) Isopropyl Acetate	8.695	43	166414	19.440	ug/l	96
44) Trichloroethene	9.354	130	123571	18.211	ug/l	97
45) 1,2-Dichloropropane	9.619	63	107459	18.092	ug/l	93
46) Dibromomethane	9.713	93	88665	19.190	ug/l	95
47) Bromodichloromethane	9.889	83	170355	18.878	ug/l	97
48) Methyl methacrylate	9.683	41	75863	18.882	ug/l	95
49) 1,4-Dioxane	9.701	88	46788	391.567	ug/l #	91
51) 4-Methyl-2-Pentanone	10.448	43	483299	95.966	ug/l	99
52) Toluene	10.630	92	329777	19.194	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	167483	19.049	ug/l	90
54) cis-1,3-Dichloropropene	10.313	75	187072	18.701	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	125412	18.825	ug/l	96
56) Ethyl methacrylate	10.877	69	162321	19.321	ug/l #	91
57) 1,3-Dichloropropane	11.166	76	201339	18.801	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.166	63	403049	116.360	ug/l	95
59) 2-Hexanone	11.195	43	337447	94.805	ug/l	96
60) Dibromochloromethane	11.360	129	125704	19.008	ug/l	100
61) 1,2-Dibromoethane	11.471	107	125359	19.140	ug/l	100
64) Tetrachloroethene	11.107	164	98952	18.159	ug/l	95
65) Chlorobenzene	11.895	112	340723	18.104	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.966	131	124076	18.299	ug/l	97
67) Ethyl Benzene	11.966	91	610565	18.479	ug/l	97
68) m/p-Xylenes	12.071	106	482185	36.858	ug/l	99
69) o-Xylene	12.401	106	239558	18.269	ug/l	99
70) Styrene	12.413	104	381983	19.021	ug/l	99
71) Bromoform	12.583	173	72865	17.708	ug/l #	94
73) Isopropylbenzene	12.695	105	605593	18.090	ug/l	99
74) N-amyl acetate	12.495	43	136710	18.504	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.942	83	166073	18.046	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	121787m	15.726	ug/l	
77) Bromobenzene	12.983	156	130909	17.657	ug/l	95
78) n-propylbenzene	13.036	91	663384	18.461	ug/l	100
79) 2-Chlorotoluene	13.124	91	412710	18.032	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	487053	19.017	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	41922	17.237	ug/l	89
82) 4-Chlorotoluene	13.224	91	393143	18.316	ug/l	99
83) tert-Butylbenzene	13.442	119	434790	18.066	ug/l	99
84) 1,2,4-Trimethylbenzene	13.489	105	445478	18.509	ug/l	100
85) sec-Butylbenzene	13.618	105	602514	18.598	ug/l	99
86) p-Isopropyltoluene	13.730	119	469737	18.543	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	237127	18.401	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	231297	18.055	ug/l	96
89) n-Butylbenzene	14.060	91	367735	18.318	ug/l	100
90) Hexachloroethane	14.336	117	83074	17.100	ug/l	94
91) 1,2-Dichlorobenzene	14.107	146	231130	18.040	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	26577	16.318	ug/l	88
93) 1,2,4-Trichlorobenzene	15.395	180	61521	14.792	ug/l	98
94) Hexachlorobutadiene	15.501	225	46634	17.036	ug/l	96
95) Naphthalene	15.648	128	217710	15.144	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	61097	15.408	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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