

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077448.D
 Acq On : 25 Apr 2023 05:16
 Operator : JC\MD
 Sample : VN0424WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2023
 Supervised By : Mahesh Dadoda 04/25/2023

Quant Time: Apr 25 08:40:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	533790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1037245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	925544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	365675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	354874	50.949	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.900%			
35) Dibromofluoromethane	8.178	113	295662	47.425	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.860%			
50) Toluene-d8	10.572	98	1207174	50.523	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.040%			
62) 4-Bromofluorobenzene	12.848	95	392842	50.253	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	125302	18.584	ug/l	94
3) Chloromethane	2.372	50	97473	18.217	ug/l	100
4) Vinyl Chloride	2.525	62	134580	18.881	ug/l	97
5) Bromomethane	2.966	94	112887	18.283	ug/l	86
6) Chloroethane	3.131	64	97508	18.006	ug/l	93
7) Trichlorofluoromethane	3.507	101	202186	19.299	ug/l	99
8) Diethyl Ether	3.966	74	70621	18.550	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.384	101	109353	17.948	ug/l	100
10) Methyl Iodide	4.602	142	134066	17.910	ug/l	95
11) Tert butyl alcohol	5.531	59	107627	96.252	ug/l #	92
12) 1,1-Dichloroethene	4.349	96	104338	17.516	ug/l	90
13) Acrolein	4.190	56	98884	88.896	ug/l	99
14) Allyl chloride	5.031	41	117476	17.738	ug/l	93
15) Acrylonitrile	5.725	53	248660	98.027	ug/l	97
16) Acetone	4.443	43	190066	85.771	ug/l	98
17) Carbon Disulfide	4.719	76	263525	17.410	ug/l	98
18) Methyl Acetate	5.037	43	161891	18.918	ug/l	100
19) Methyl tert-butyl Ether	5.807	73	368469	18.600	ug/l	99
20) Methylene Chloride	5.284	84	127611	18.159	ug/l	92
21) trans-1,2-Dichloroethene	5.796	96	115120	17.872	ug/l	94
22) Diisopropyl ether	6.678	45	282373	18.577	ug/l	98
23) Vinyl Acetate	6.613	43	888366	93.585	ug/l	97
24) 1,1-Dichloroethane	6.578	63	197667	18.372	ug/l	98
25) 2-Butanone	7.490	43	295156	93.910	ug/l	100
26) 2,2-Dichloropropane	7.501	77	158960	15.237	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	136933	17.950	ug/l	98
28) Bromochloromethane	7.825	49	78210	19.035	ug/l	99
29) Tetrahydrofuran	7.843	42	198022	100.558	ug/l	96
30) Chloroform	7.966	83	224266	18.495	ug/l	95
31) Cyclohexane	8.260	56	175573	17.794	ug/l	97
32) 1,1,1-Trichloroethane	8.178	97	211621	18.983	ug/l	99
36) 1,1-Dichloropropene	8.378	75	159609	17.721	ug/l	99
37) Ethyl Acetate	7.566	43	122664	17.923	ug/l	99
38) Carbon Tetrachloride	8.366	117	173692	17.479	ug/l	96
39) Methylcyclohexane	9.601	83	204464	17.230	ug/l	97
40) Benzene	8.613	78	488315	17.797	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.790	41	65084	18.258	ug/l	98
42) 1,2-Dichloroethane	8.678	62	168913	17.924	ug/l	99
43) Isopropyl Acetate	8.690	43	216254	18.264	ug/l	98
44) Trichloroethene	9.354	130	127314	18.122	ug/l	93
45) 1,2-Dichloropropane	9.625	63	116385	18.108	ug/l	96
46) Dibromomethane	9.713	93	92893	17.812	ug/l	100
47) Bromodichloromethane	9.889	83	180131	17.856	ug/l	98
48) Methyl methacrylate	9.684	41	98667	18.307	ug/l	96
49) 1,4-Dioxane	9.701	88	48744	360.561	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	665898	95.883	ug/l	97
52) Toluene	10.631	92	327290	18.208	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	182156	17.833	ug/l	96
54) cis-1,3-Dichloropropene	10.313	75	193279	17.383	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	125870	17.414	ug/l	97
56) Ethyl methacrylate	10.878	69	179201	17.693	ug/l	94
57) 1,3-Dichloropropane	11.166	76	214109	18.597	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	373916	109.149	ug/l	100
59) 2-Hexanone	11.195	43	469859	93.075	ug/l	99
60) Dibromochloromethane	11.360	129	130903	17.450	ug/l	98
61) 1,2-Dibromoethane	11.472	107	133539	18.096	ug/l	98
64) Tetrachloroethene	11.107	164	100716	18.178	ug/l	92
65) Chlorobenzene	11.895	112	346552	17.695	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.966	131	127819	17.938	ug/l	95
67) Ethyl Benzene	11.966	91	619858	17.979	ug/l	99
68) m/p-Xylenes	12.078	106	485389	36.223	ug/l	99
69) o-Xylene	12.401	106	246041	18.667	ug/l	99
70) Styrene	12.413	104	387075	18.779	ug/l	98
71) Bromoform	12.583	173	85851	18.416	ug/l #	98
73) Isopropylbenzene	12.695	105	622304	18.339	ug/l	99
74) N-amyl acetate	12.495	43	171081	17.030	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.936	83	185022	17.354	ug/l	97
76) 1,2,3-Trichloropropane	12.995	75	186709m	21.957	ug/l	
77) Bromobenzene	12.983	156	127209	17.201	ug/l	99
78) n-propylbenzene	13.036	91	666341	17.760	ug/l	99
79) 2-Chlorotoluene	13.130	91	420341	18.171	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	470789	18.682	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.736	75	48296	16.046	ug/l	96
82) 4-Chlorotoluene	13.225	91	392224	18.145	ug/l	100
83) tert-Butylbenzene	13.442	119	441288	18.032	ug/l	99
84) 1,2,4-Trimethylbenzene	13.489	105	426678	18.130	ug/l	100
85) sec-Butylbenzene	13.619	105	601495	17.907	ug/l	100
86) p-Isopropyltoluene	13.730	119	458412	17.737	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	231150	17.575	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	222972	17.170	ug/l	99
89) n-Butylbenzene	14.060	91	334736	16.736	ug/l	100
90) Hexachloroethane	14.336	117	95703	16.761	ug/l	95
91) 1,2-Dichlorobenzene	14.107	146	232531	17.826	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	33331	16.905	ug/l	94
93) 1,2,4-Trichlorobenzene	15.371	180	50898	16.850	ug/l	98
94) Hexachlorobutadiene	15.466	225	42695	16.197	ug/l	98
95) Naphthalene	15.589	128	190870	17.164	ug/l	99
96) 1,2,3-Trichlorobenzene	15.754	180	47968	16.883	ug/l	100

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

