

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077708.D
 Acq On : 17 May 2023 12:58
 Operator : JC\MD
 Sample : VN0517WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2023
 Supervised By : Mahesh Dadoda 05/18/2023

Quant Time: May 18 01:37:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	390610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	713928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	628389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	273856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	294800	50.440	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.880%			
35) Dibromofluoromethane	8.171	113	235606	50.609	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.220%			
50) Toluene-d8	10.571	98	894409	49.914	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.820%			
62) 4-Bromofluorobenzene	12.853	95	309818	48.955	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	83943	18.883	ug/l	94
3) Chloromethane	2.365	50	85546	16.967	ug/l	97
4) Vinyl Chloride	2.518	62	95523	17.043	ug/l	96
5) Bromomethane	2.965	94	76085	18.355	ug/l	96
6) Chloroethane	3.136	64	85092	21.067	ug/l	90
7) Trichlorofluoromethane	3.506	101	146256	18.725	ug/l	93
8) Diethyl Ether	3.971	74	54881	19.246	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.383	101	82938	19.187	ug/l	99
10) Methyl Iodide	4.600	142	110140	21.365	ug/l	99
11) Tert butyl alcohol	5.524	59	73310	90.888	ug/l	96
12) 1,1-Dichloroethene	4.347	96	76142	18.533	ug/l	94
13) Acrolein	4.189	56	55741	93.043	ug/l	94
14) Allyl chloride	5.030	41	105443	17.471	ug/l	96
15) Acrylonitrile	5.724	53	202393	93.921	ug/l	100
16) Acetone	4.436	43	162658	88.460	ug/l	99
17) Carbon Disulfide	4.718	76	184394	16.658	ug/l	99
18) Methyl Acetate	5.030	43	146456	18.986	ug/l #	88
19) Methyl tert-butyl Ether	5.806	73	280974	18.895	ug/l	100
20) Methylene Chloride	5.283	84	96574	18.952	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	84454	18.300	ug/l #	82
22) Diisopropyl ether	6.677	45	266529	18.841	ug/l	96
23) Vinyl Acetate	6.612	43	782660	89.295	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	164805	19.016	ug/l	96
25) 2-Butanone	7.488	43	256470	89.164	ug/l #	87
26) 2,2-Dichloropropane	7.494	77	134956	18.329	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	107135	19.361	ug/l	92
28) Bromochloromethane	7.818	49	77222	20.602	ug/l	86
29) Tetrahydrofuran	7.847	42	164296	87.232	ug/l	86
30) Chloroform	7.971	83	179165	18.793	ug/l	95
31) Cyclohexane	8.265	56	144724	18.219	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	152512	18.816	ug/l	98
36) 1,1-Dichloropropene	8.377	75	127383	18.707	ug/l	95
37) Ethyl Acetate	7.565	43	105232	17.339	ug/l	96
38) Carbon Tetrachloride	8.365	117	131615	19.141	ug/l	96
39) Methylcyclohexane	9.606	83	156843	18.814	ug/l	88
40) Benzene	8.612	78	386919	19.255	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	60077	18.587	ug/l	90
42) 1,2-Dichloroethane	8.677	62	139600	19.125	ug/l	96
43) Isopropyl Acetate	8.694	43	185213	18.683	ug/l #	93
44) Trichloroethene	9.359	130	98280	19.316	ug/l	97
45) 1,2-Dichloropropane	9.629	63	101164	19.738	ug/l	98
46) Dibromomethane	9.712	93	70803	19.305	ug/l	97
47) Bromodichloromethane	9.894	83	137672	19.607	ug/l	97
48) Methyl methacrylate	9.688	41	90705	19.298	ug/l	85
49) 1,4-Dioxane	9.706	88	33449	376.793	ug/l #	90
51) 4-Methyl-2-Pentanone	10.447	43	551508	93.593	ug/l	94
52) Toluene	10.635	92	248656	19.877	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	144388	19.418	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	158137	19.299	ug/l	90
55) 1,1,2-Trichloroethane	11.024	97	100134	20.160	ug/l	97
56) Ethyl methacrylate	10.876	69	145316	19.349	ug/l	90
57) 1,3-Dichloropropane	11.171	76	168532	19.792	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	376379	101.870	ug/l	92
59) 2-Hexanone	11.200	43	400839	91.966	ug/l	91
60) Dibromochloromethane	11.365	129	102823	20.052	ug/l	99
61) 1,2-Dibromoethane	11.476	107	99071	19.993	ug/l	99
64) Tetrachloroethene	11.112	164	90972	20.701	ug/l	95
65) Chlorobenzene	11.900	112	259773	19.069	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	94792	20.110	ug/l	98
67) Ethyl Benzene	11.970	91	465890	19.084	ug/l	99
68) m/p-Xylenes	12.076	106	351348	37.983	ug/l	95
69) o-Xylene	12.406	106	177430	19.504	ug/l	97
70) Styrene	12.418	104	281111	19.452	ug/l	96
71) Bromoform	12.582	173	61908	19.743	ug/l #	98
73) Isopropylbenzene	12.700	105	456376	19.333	ug/l	99
74) N-amyl acetate	12.500	43	150934	17.298	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.947	83	136206	18.755	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	130026m	18.959	ug/l	
77) Bromobenzene	12.988	156	101720	18.882	ug/l	99
78) n-propylbenzene	13.041	91	528833	19.002	ug/l	100
79) 2-Chlorotoluene	13.135	91	321951	19.387	ug/l	99
80) 1,3,5-Trimethylbenzene	13.182	105	388342	19.573	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	37345	17.406	ug/l #	86
82) 4-Chlorotoluene	13.229	91	314682	19.045	ug/l	100
83) tert-Butylbenzene	13.447	119	335234	19.355	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	387113	19.839	ug/l	98
85) sec-Butylbenzene	13.623	105	465749	18.921	ug/l	100
86) p-Isopropyltoluene	13.735	119	387602	19.751	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	189111	18.982	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	187383	18.954	ug/l	99
89) n-Butylbenzene	14.064	91	332363	18.414	ug/l	99
90) Hexachloroethane	14.341	117	61042	18.935	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	182123	19.568	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	24736	17.593	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	100238	18.430	ug/l	96
94) Hexachlorobutadiene	15.511	225	41652	18.445	ug/l	97
95) Naphthalene	15.653	128	312658	16.701	ug/l	98
96) 1,2,3-Trichlorobenzene	15.853	180	93629	17.582	ug/l	96

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

