

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077831.D
 Acq On : 24 May 2023 01:25
 Operator : JC\MD
 Sample : VN0523WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBS02

Quant Time: May 24 02:57:41 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

Manual Integrations APPROVED

Reviewed By : John Carlone 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	352181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	636621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	548609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	226737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	246257	46.732	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.460%		
35) Dibromofluoromethane	8.171	113	210485	50.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.400%		
50) Toluene-d8	10.571	98	780062	48.819	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.640%		
62) 4-Bromofluorobenzene	12.859	95	258355	45.780	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	71992	17.962	ug/l	89
3) Chloromethane	2.371	50	76551	16.825	ug/l	98
4) Vinyl Chloride	2.518	62	98523	19.497	ug/l	93
5) Bromomethane	2.959	94	76101	20.362	ug/l	96
6) Chloroethane	3.124	64	67758	18.606	ug/l	91
7) Trichlorofluoromethane	3.500	101	146678	20.828	ug/l	96
8) Diethyl Ether	3.965	74	54307	21.123	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.383	101	81174	20.828	ug/l	99
10) Methyl Iodide	4.594	142	93597	20.137	ug/l	98
11) Tert butyl alcohol	5.530	59	78473	107.904	ug/l	99
12) 1,1-Dichloroethene	4.353	96	77469	20.914	ug/l	94
13) Acrolein	4.189	56	61551	121.248	ug/l	97
14) Allyl chloride	5.030	41	103716	19.060	ug/l	94
15) Acrylonitrile	5.724	53	197845	101.828	ug/l	99
16) Acetone	4.436	43	153869	92.812	ug/l	91
17) Carbon Disulfide	4.724	76	161813	16.213	ug/l	98
18) Methyl Acetate	5.030	43	141260	20.311	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	281627	21.005	ug/l	96
20) Methylene Chloride	5.289	84	94653	20.781	ug/l #	88
21) trans-1,2-Dichloroethene	5.788	96	81590	19.609	ug/l	93
22) Diisopropyl ether	6.683	45	262624	20.590	ug/l	98
23) Vinyl Acetate	6.612	43	762038	96.429	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	163813	20.964	ug/l	95
25) 2-Butanone	7.488	43	244920	94.440	ug/l #	86
26) 2,2-Dichloropropane	7.494	77	116230	17.508	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	102587	20.562	ug/l	95
28) Bromochloromethane	7.824	49	79813	23.617	ug/l	93
29) Tetrahydrofuran	7.847	42	158753	93.487	ug/l	86
30) Chloroform	7.971	83	182119	21.187	ug/l	95
31) Cyclohexane	8.265	56	124809	17.427	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	156971	21.479	ug/l	96
36) 1,1-Dichloropropene	8.377	75	121692	20.042	ug/l	99
37) Ethyl Acetate	7.565	43	100871	18.638	ug/l	95
38) Carbon Tetrachloride	8.365	117	133900	21.838	ug/l	95
39) Methylcyclohexane	9.606	83	141552	19.042	ug/l	91
40) Benzene	8.612	78	375131	20.936	ug/l	98

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41) Methacrylonitrile	7.782	41	55487	19.252	ug/l	91
42) 1,2-Dichloroethane	8.677	62	135509	20.819	ug/l	98
43) Isopropyl Acetate	8.694	43	194576	22.011	ug/l #	91
44) Trichloroethene	9.359	130	98294	21.665	ug/l	93
45) 1,2-Dichloropropane	9.629	63	99323	21.732	ug/l	94
46) Dibromomethane	9.712	93	69695	21.311	ug/l	95
47) Bromodichloromethane	9.894	83	143812	22.968	ug/l	93
48) Methyl methacrylate	9.688	41	83325	19.881	ug/l	88
49) 1,4-Dioxane	9.706	88	34055	430.203	ug/l #	81
51) 4-Methyl-2-Pentanone	10.453	43	535596	101.930	ug/l	93
52) Toluene	10.635	92	240075	21.522	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	136875	20.643	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	150643	20.617	ug/l	92
55) 1,1,2-Trichloroethane	11.023	97	98422	22.221	ug/l	96
56) Ethyl methacrylate	10.882	69	136590	20.396	ug/l #	87
57) 1,3-Dichloropropane	11.170	76	163433	21.524	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	327181	99.308	ug/l	92
59) 2-Hexanone	11.200	43	375661	96.656	ug/l	91
60) Dibromochloromethane	11.365	129	102253	22.363	ug/l	99
61) 1,2-Dibromoethane	11.476	107	96748	21.895	ug/l	100
64) Tetrachloroethene	11.112	164	91852	23.941	ug/l	98
65) Chlorobenzene	11.900	112	260956	21.942	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	97485	23.689	ug/l	97
67) Ethyl Benzene	11.970	91	457013	21.443	ug/l	100
68) m/p-Xylenes	12.076	106	348781	43.189	ug/l	99
69) o-Xylene	12.406	106	175079	22.045	ug/l	99
70) Styrene	12.417	104	271555	21.524	ug/l	98
71) Bromoform	12.588	173	63057	23.034	ug/l #	98
73) Isopropylbenzene	12.706	105	453964	23.227	ug/l	98
74) N-amyl acetate	12.500	43	141215	19.547	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.947	83	134477	22.365	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	113048m	19.909	ug/l	
77) Bromobenzene	12.988	156	101018	22.648	ug/l	95
78) n-propylbenzene	13.041	91	513022	22.265	ug/l	100
79) 2-Chlorotoluene	13.135	91	311313	22.642	ug/l	97
80) 1,3,5-Trimethylbenzene	13.182	105	382689	23.297	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	32934	18.540	ug/l #	79
82) 4-Chlorotoluene	13.229	91	285559	20.874	ug/l	97
83) tert-Butylbenzene	13.447	119	334665	23.337	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	375686	23.255	ug/l	99
85) sec-Butylbenzene	13.623	105	469127	23.019	ug/l	99
86) p-Isopropyltoluene	13.735	119	383568	23.608	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	177442	21.512	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	170218	20.796	ug/l	97
89) n-Butylbenzene	14.064	91	310435	20.773	ug/l	98
90) Hexachloroethane	14.341	117	63589	23.824	ug/l	86
91) 1,2-Dichlorobenzene	14.111	146	173620	22.531	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.729	75	22382	19.227	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	72729	16.151	ug/l	99
94) Hexachlorobutadiene	15.506	225	42606	22.788	ug/l	98
95) Naphthalene	15.647	128	209962	13.546	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	77465	17.570	ug/l	99

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

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