

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071823\
 Data File : VN078554.D
 Acq On : 18 Jul 2023 12:25
 Operator : JC\MD
 Sample : VN0718WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

Quant Time: Jul 19 01:46:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	432335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	742826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	745463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	251794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	312946	53.994	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.980%			
35) Dibromofluoromethane	8.177	113	269352	53.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.840%			
50) Toluene-d8	10.571	98	960068	50.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.800%			
62) 4-Bromofluorobenzene	12.853	95	297190	50.650	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	88271	16.653	ug/l	97
3) Chloromethane	2.371	50	123862	21.499	ug/l	98
4) Vinyl Chloride	2.518	62	143985	19.319	ug/l	98
5) Bromomethane	2.959	94	99638	17.949	ug/l	96
6) Chloroethane	3.124	64	85547	17.735	ug/l	100
7) Trichlorofluoromethane	3.501	101	162449	18.234	ug/l	100
8) Diethyl Ether	3.965	74	58496	19.707	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.377	101	90836	19.261	ug/l	96
10) Methyl Iodide	4.595	142	117862	18.187	ug/l	92
11) Tert butyl alcohol	5.536	59	90087	100.797	ug/l	99
12) 1,1-Dichloroethene	4.348	96	82352	18.052	ug/l	89
13) Acrolein	4.195	56	89646	101.949	ug/l	93
14) Allyl chloride	5.030	41	113471	18.203	ug/l	94
15) Acrylonitrile	5.736	53	232967	103.167	ug/l	100
16) Acetone	4.442	43	179374	99.353	ug/l	89
17) Carbon Disulfide	4.718	76	207724	15.747	ug/l	99
18) Methyl Acetate	5.036	43	154034	20.154	ug/l	92
19) Methyl tert-butyl Ether	5.806	73	299131	19.901	ug/l	96
20) Methylene Chloride	5.283	84	106692	19.865	ug/l	90
21) trans-1,2-Dichloroethene	5.800	96	93956	18.277	ug/l	91
22) Diisopropyl ether	6.683	45	285181	20.431	ug/l #	91
23) Vinyl Acetate	6.612	43	857555m	96.642	ug/l	
24) 1,1-Dichloroethane	6.577	63	176693	18.787	ug/l	99
25) 2-Butanone	7.494	43	294438	103.603	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	145815	18.955	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	112823	18.972	ug/l	93
28) Bromochloromethane	7.824	49	90530	20.436	ug/l	91
29) Tetrahydrofuran	7.847	42	178529	95.735	ug/l	88
30) Chloroform	7.971	83	195688	19.985	ug/l	92
31) Cyclohexane	8.265	56	139825	17.851	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	169470	19.304	ug/l	97
36) 1,1-Dichloropropene	8.383	75	134928	18.532	ug/l	97
37) Ethyl Acetate	7.571	43	114161	18.809	ug/l	99
38) Carbon Tetrachloride	8.371	117	150371	19.002	ug/l	95
39) Methylcyclohexane	9.606	83	123641	18.604	ug/l	94
40) Benzene	8.618	78	420147	19.478	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	63362	20.478	ug/l	91
42) 1,2-Dichloroethane	8.677	62	149757	20.411	ug/l	99
43) Isopropyl Acetate	8.694	43	202971	20.312	ug/l	95
44) Trichloroethene	9.359	130	107797	18.542	ug/l	99
45) 1,2-Dichloropropane	9.630	63	109648	20.070	ug/l	93
46) Dibromomethane	9.712	93	81778	21.268	ug/l	95
47) Bromodichloromethane	9.894	83	157226	20.398	ug/l	99
48) Methyl methacrylate	9.688	41	90769	19.607	ug/l	90
49) 1,4-Dioxane	9.700	88	41292	408.988	ug/l #	81
51) 4-Methyl-2-Pentanone	10.453	43	618141	103.998	ug/l	94
52) Toluene	10.635	92	266337	19.922	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	158669	20.094	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	170747	20.285	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	115627	21.952	ug/l	96
56) Ethyl methacrylate	10.882	69	149885	20.356	ug/l	93
57) 1,3-Dichloropropane	11.171	76	180459	20.150	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	272267	103.761	ug/l	92
59) 2-Hexanone	11.200	43	427197	101.128	ug/l	93
60) Dibromochloromethane	11.365	129	118751	20.422	ug/l	99
61) 1,2-Dibromoethane	11.477	107	109820	20.240	ug/l	99
64) Tetrachloroethene	11.112	164	98668	17.605	ug/l	97
65) Chlorobenzene	11.900	112	322323	19.344	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	123538	19.272	ug/l	97
67) Ethyl Benzene	11.971	91	526970	18.710	ug/l	100
68) m/p-Xylenes	12.076	106	424839	40.796	ug/l	98
69) o-Xylene	12.400	106	186461	17.727	ug/l	95
70) Styrene	12.418	104	297827	18.099	ug/l	97
71) Bromoform	12.582	173	88158	20.307	ug/l #	98
73) Isopropylbenzene	12.700	105	450263	19.031	ug/l	100
74) N-amyl acetate	12.500	43	165565	20.306	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	154710	21.656	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	121016m	19.884	ug/l	
77) Bromobenzene	12.988	156	106636	19.792	ug/l	96
78) n-propylbenzene	13.041	91	485899	19.203	ug/l	98
79) 2-Chlorotoluene	13.129	91	311399	18.789	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	359774	19.245	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.747	75	41472	17.906	ug/l	89
82) 4-Chlorotoluene	13.229	91	292202	18.899	ug/l	98
83) tert-Butylbenzene	13.447	119	308430	19.433	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	360176	19.836	ug/l	99
85) sec-Butylbenzene	13.623	105	385047	19.194	ug/l	99
86) p-Isopropyltoluene	13.735	119	307374	19.081	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	172585	19.001	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	166525	18.202	ug/l	98
89) n-Butylbenzene	14.059	91	221333	19.203	ug/l	95
90) Hexachloroethane	14.335	117	64059	21.166	ug/l	85
91) 1,2-Dichlorobenzene	14.112	146	173911	19.240	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	24492	20.490	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	44883	15.558	ug/l	96
94) Hexachlorobutadiene	15.506	225	32658	19.345	ug/l	98
95) Naphthalene	15.647	128	133856	13.573	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	53976	16.272	ug/l	95

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

