

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061923\
 Data File : VN078273.D
 Acq On : 19 Jun 2023 12:25
 Operator : JC\MD
 Sample : VN0619WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/19/2023
 Supervised By : Mahesh Dadoda 06/22/2023

Quant Time: Jun 19 16:02:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	364302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	654338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	558083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	209381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	231534	47.668	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.340%		
35) Dibromofluoromethane	8.177	113	193117	46.677	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.360%		
50) Toluene-d8	10.571	98	724921	45.450	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.900%		
62) 4-Bromofluorobenzene	12.853	95	220359	44.442	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	71225	17.296	ug/l	100
3) Chloromethane	2.371	50	75556	18.348	ug/l	99
4) Vinyl Chloride	2.524	62	101510	18.825	ug/l	91
5) Bromomethane	2.965	94	87752	21.533	ug/l	97
6) Chloroethane	3.130	64	82212	22.365	ug/l	96
7) Trichlorofluoromethane	3.506	101	139382	19.061	ug/l	100
8) Diethyl Ether	3.971	74	47269	18.397	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.383	101	77006	19.954	ug/l	99
10) Methyl Iodide	4.601	142	97145	17.800	ug/l	99
11) Tert butyl alcohol	5.542	59	63031	93.980	ug/l	98
12) 1,1-Dichloroethene	4.348	96	70030	17.604	ug/l	91
13) Acrolein	4.189	56	71755	97.073	ug/l	95
14) Allyl chloride	5.036	41	104393	21.497	ug/l	95
15) Acrylonitrile	5.730	53	182195	105.368	ug/l	98
16) Acetone	4.442	43	151807	108.581	ug/l	94
17) Carbon Disulfide	4.718	76	168466	16.452	ug/l	99
18) Methyl Acetate	5.048	43	132177	20.535	ug/l	91
19) Methyl tert-butyl Ether	5.812	73	251054	19.779	ug/l	95
20) Methylene Chloride	5.289	84	87974	19.042	ug/l #	88
21) trans-1,2-Dichloroethene	5.800	96	77788	18.129	ug/l	85
22) Diisopropyl ether	6.683	45	237321	20.776	ug/l	96
23) Vinyl Acetate	6.612	43	696578	102.585	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	153190	20.329	ug/l	96
25) 2-Butanone	7.494	43	225922	105.081	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	131256	23.591	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	94707	18.505	ug/l	93
28) Bromochloromethane	7.824	49	76820	22.204	ug/l	88
29) Tetrahydrofuran	7.847	42	143337	99.729	ug/l #	84
30) Chloroform	7.971	83	168967	20.823	ug/l	91
31) Cyclohexane	8.265	56	119342	19.154	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	146156	20.517	ug/l	98
36) 1,1-Dichloropropene	8.377	75	114694	19.327	ug/l	97
37) Ethyl Acetate	7.571	43	98268	21.197	ug/l	97
38) Carbon Tetrachloride	8.371	117	125899	20.092	ug/l	99
39) Methylcyclohexane	9.606	83	104976	17.069	ug/l	88
40) Benzene	8.612	78	353420	19.948	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	55807	22.209	ug/l	88
42) 1,2-Dichloroethane	8.677	62	125857	20.719	ug/l	97
43) Isopropyl Acetate	8.694	43	175903	19.840	ug/l #	91
44) Trichloroethene	9.359	130	84778	18.119	ug/l	100
45) 1,2-Dichloropropane	9.624	63	91827	20.832	ug/l	99
46) Dibromomethane	9.718	93	64623	19.904	ug/l	96
47) Bromodichloromethane	9.894	83	129502	21.473	ug/l	95
48) Methyl methacrylate	9.688	41	73949	19.875	ug/l	91
49) 1,4-Dioxane	9.700	88	30185	385.990	ug/l #	95
51) 4-Methyl-2-Pentanone	10.453	43	498451	106.762	ug/l	92
52) Toluene	10.635	92	220661	19.727	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	132697	21.127	ug/l	94
54) cis-1,3-Dichloropropene	10.318	75	144651	20.834	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	91218	21.557	ug/l	95
56) Ethyl methacrylate	10.877	69	122998	19.963	ug/l	93
57) 1,3-Dichloropropane	11.171	76	151625	21.228	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	214841	86.315	ug/l	92
59) 2-Hexanone	11.200	43	343395	105.632	ug/l	90
60) Dibromochloromethane	11.365	129	95260	20.573	ug/l	99
61) 1,2-Dibromoethane	11.477	107	86991	19.590	ug/l	98
64) Tetrachloroethene	11.112	164	68906	18.507	ug/l	97
65) Chlorobenzene	11.900	112	237154	19.843	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	91531	20.822	ug/l	96
67) Ethyl Benzene	11.971	91	399623	19.378	ug/l	100
68) m/p-Xylenes	12.076	106	299788	38.145	ug/l	95
69) o-Xylene	12.406	106	147829	19.154	ug/l	93
70) Styrene	12.418	104	236481	19.463	ug/l	98
71) Bromoform	12.582	173	58956	20.782	ug/l #	100
73) Isopropylbenzene	12.700	105	377495	19.066	ug/l	100
74) N-amyl acetate	12.500	43	121535	18.640	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	131338	22.786	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	102311m	20.670	ug/l	
77) Bromobenzene	12.982	156	86161	18.746	ug/l	98
78) n-propylbenzene	13.041	91	413195	19.208	ug/l	99
79) 2-Chlorotoluene	13.129	91	265652	19.131	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	311893	19.457	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	38062	23.625	ug/l #	91
82) 4-Chlorotoluene	13.223	91	249249	19.233	ug/l	99
83) tert-Butylbenzene	13.447	119	245234	17.599	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	304064	19.565	ug/l	99
85) sec-Butylbenzene	13.623	105	326600	17.907	ug/l	100
86) p-Isopropyltoluene	13.735	119	258845	17.489	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	139894	17.994	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	137619	18.344	ug/l	99
89) n-Butylbenzene	14.059	91	190055	16.280	ug/l	97
90) Hexachloroethane	14.335	117	51868	19.748	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	144155	18.972	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	21265	21.683	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	39080	14.435	ug/l	99
94) Hexachlorobutadiene	15.506	225	24262	16.488	ug/l	99
95) Naphthalene	15.647	128	123797	13.594	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	45954	15.177	ug/l	96

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

