

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121923\
 Data File : VN080512.D
 Acq On : 19 Dec 2023 11:45
 Operator : JC\MD
 Sample : VN1219WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2023
 Supervised By : Mahesh Dadoda 12/20/2023

Quant Time: Dec 20 03:58:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	284986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	451781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	395774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	180970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	210777	57.907	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.820%			
35) Dibromofluoromethane	8.165	113	162150	56.607	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.220%			
50) Toluene-d8	10.565	98	584671	54.729	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.460%			
62) 4-Bromofluorobenzene	12.847	95	212549	52.396	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	66435	18.242	ug/l	99
3) Chloromethane	2.365	50	64574	16.667	ug/l	100
4) Vinyl Chloride	2.518	62	50983	16.392	ug/l	96
5) Bromomethane	2.965	94	25826	18.418	ug/l	98
6) Chloroethane	3.130	64	33534	16.779	ug/l	92
7) Trichlorofluoromethane	3.500	101	119738	18.981	ug/l	99
8) Diethyl Ether	3.959	74	37076	18.660	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.365	101	56925	19.039	ug/l	95
10) Methyl Iodide	4.583	142	40901	15.552	ug/l	93
11) Tert butyl alcohol	5.506	59	39497	92.136	ug/l	98
12) 1,1-Dichloroethene	4.336	96	54493	17.787	ug/l	87
13) Acrolein	4.177	56	48535	103.383	ug/l	96
14) Allyl chloride	5.030	41	67239	17.739	ug/l	96
15) Acrylonitrile	5.712	53	115797	95.600	ug/l	98
16) Acetone	4.424	43	99595	154.315	ug/l	97
17) Carbon Disulfide	4.712	76	141077	16.249	ug/l	98
18) Methyl Acetate	5.024	43	83818	20.183	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	201666	19.730	ug/l	98
20) Methylene Chloride	5.271	84	62315	18.042	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	60232	18.132	ug/l	85
22) Diisopropyl ether	6.671	45	164641	20.125	ug/l	92
23) Vinyl Acetate	6.600	43	434629	92.500	ug/l	93
24) 1,1-Dichloroethane	6.571	63	111030	19.452	ug/l	98
25) 2-Butanone	7.483	43	135237	108.772	ug/l	96
26) 2,2-Dichloropropane	7.488	77	111739	19.144	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	71645	19.053	ug/l	90
28) Bromochloromethane	7.812	49	41336	18.862	ug/l	97
29) Tetrahydrofuran	7.835	42	83535	93.827	ug/l	94
30) Chloroform	7.965	83	125639	19.830	ug/l	99
31) Cyclohexane	8.253	56	89339	18.049	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	118220	19.057	ug/l	99
36) 1,1-Dichloropropene	8.371	75	88030	18.795	ug/l	96
37) Ethyl Acetate	7.559	43	56063	19.115	ug/l #	94
38) Carbon Tetrachloride	8.365	117	109238	19.519	ug/l	97
39) Methylcyclohexane	9.600	83	84879	17.445	ug/l	91
40) Benzene	8.606	78	255398	18.884	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	33209	19.641	ug/l	93
42) 1,2-Dichloroethane	8.671	62	97669	19.501	ug/l	97
43) Isopropyl Acetate	8.688	43	98061	18.595	ug/l	97
44) Trichloroethene	9.353	130	67884	18.619	ug/l	98
45) 1,2-Dichloropropane	9.624	63	59663	18.783	ug/l	99
46) Dibromomethane	9.706	93	43415	19.032	ug/l	92
47) Bromodichloromethane	9.888	83	95019	19.435	ug/l	92
48) Methyl methacrylate	9.677	41	57814	18.372	ug/l	90
49) 1,4-Dioxane	9.688	88	16677	349.630	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	281657	96.980	ug/l	100
52) Toluene	10.629	92	165333	19.351	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	103656	19.596	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	108086	19.117	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	60534	19.690	ug/l	96
56) Ethyl methacrylate	10.871	69	64090	18.830	ug/l	92
57) 1,3-Dichloropropane	11.165	76	104336	19.360	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	204742	95.285	ug/l	97
59) 2-Hexanone	11.194	43	214041	99.829	ug/l	98
60) Dibromochloromethane	11.359	129	74707	20.507	ug/l	98
61) 1,2-Dibromoethane	11.471	107	60302	18.952	ug/l	99
64) Tetrachloroethene	11.106	164	57038	18.666	ug/l	96
65) Chlorobenzene	11.894	112	167625	19.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	68072	19.705	ug/l	95
67) Ethyl Benzene	11.965	91	300823	18.583	ug/l	100
68) m/p-Xylenes	12.070	106	228674	38.227	ug/l	91
69) o-Xylene	12.400	106	111709	19.092	ug/l	91
70) Styrene	12.412	104	158535	18.810	ug/l	93
71) Bromoform	12.576	173	47516	18.861	ug/l #	100
73) Isopropylbenzene	12.694	105	286262	19.691	ug/l	100
74) N-amyl acetate	12.494	43	78679	18.533	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	76798	19.714	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	77908m	21.579	ug/l	
77) Bromobenzene	12.982	156	69217	19.354	ug/l	96
78) n-propylbenzene	13.035	91	316356	19.737	ug/l	100
79) 2-Chlorotoluene	13.123	91	205235	19.612	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	246485	19.686	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	25391	18.466	ug/l #	78
82) 4-Chlorotoluene	13.223	91	207655	19.306	ug/l	95
83) tert-Butylbenzene	13.441	119	199904	19.495	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	249809	20.055	ug/l	98
85) sec-Butylbenzene	13.617	105	255819	19.503	ug/l	99
86) p-Isopropyltoluene	13.729	119	229579	19.384	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	116890	18.551	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	119589	18.802	ug/l	96
89) n-Butylbenzene	14.059	91	190073	19.217	ug/l	99
90) Hexachloroethane	14.335	117	36668	19.495	ug/l	73
91) 1,2-Dichlorobenzene	14.106	146	114539	19.143	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	16128	19.683	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	65560	19.735	ug/l	97
94) Hexachlorobutadiene	15.500	225	34413	18.196	ug/l	100
95) Naphthalene	15.641	128	196618	19.491	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	61702	19.247	ug/l	96

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

