

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081710.D
 Acq On : 12 Apr 2024 12:08
 Operator : JC\MD
 Sample : VN0412WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/15/2024
 Supervised By : Mahesh Dadoda 04/15/2024

Quant Time: Apr 13 06:53:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	234851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	423988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	405857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	174729	58.341	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.680%			
35) Dibromofluoromethane	8.165	113	147722	55.207	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.420%			
50) Toluene-d8	10.570	98	498305	51.517	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.040%			
62) 4-Bromofluorobenzene	12.853	95	194758	57.143	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 114.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	67176	21.243	ug/l	91
3) Chloromethane	2.359	50	72062	22.888	ug/l	99
4) Vinyl Chloride	2.518	62	55629	15.744	ug/l	92
5) Bromomethane	2.965	94	42937	17.182	ug/l	82
6) Chloroethane	3.124	64	40608	16.738	ug/l	99
7) Trichlorofluoromethane	3.500	101	43889	8.334	ug/l	91
8) Diethyl Ether	3.965	74	38142	21.886	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.365	101	67208	22.461	ug/l #	88
10) Methyl Iodide	4.583	142	51080	17.142	ug/l	95
11) Tert butyl alcohol	5.518	59	53254	102.033	ug/l #	88
12) 1,1-Dichloroethene	4.341	96	62500	22.550	ug/l	87
13) Acrolein	4.183	56	72098	153.944	ug/l	99
14) Allyl chloride	5.024	41	71941	20.714	ug/l #	81
15) Acrylonitrile	5.718	53	154989	111.000	ug/l	97
16) Acetone	4.424	43	104678	108.149	ug/l	94
17) Carbon Disulfide	4.712	76	168592	21.197	ug/l	98
18) Methyl Acetate	5.018	43	64374	21.573	ug/l #	88
19) Methyl tert-butyl Ether	5.794	73	204549	23.582	ug/l	95
20) Methylene Chloride	5.277	84	71737	22.626	ug/l #	86
21) trans-1,2-Dichloroethene	5.788	96	66369	21.476	ug/l	98
22) Diisopropyl ether	6.671	45	195188	24.188	ug/l #	88
23) Vinyl Acetate	6.600	43	756265	117.739	ug/l #	90
24) 1,1-Dichloroethane	6.565	63	122711	22.704	ug/l	99
25) 2-Butanone	7.482	43	184758	111.290	ug/l #	90
26) 2,2-Dichloropropane	7.488	77	110733	23.621	ug/l	96
27) cis-1,2-Dichloroethene	7.482	96	81793	23.393	ug/l	84
28) Bromochloromethane	7.812	49	48563	22.059	ug/l #	48
29) Tetrahydrofuran	7.841	42	121504	108.642	ug/l #	75
30) Chloroform	7.971	83	145490	25.145	ug/l	98
31) Cyclohexane	8.253	56	101844	20.897	ug/l #	76
32) 1,1,1-Trichloroethane	8.171	97	127973	24.378	ug/l #	88
36) 1,1-Dichloropropene	8.371	75	91213	20.256	ug/l	96
37) Ethyl Acetate	7.559	43	78542	20.369	ug/l #	95
38) Carbon Tetrachloride	8.359	117	108001	21.894	ug/l	94
39) Methylcyclohexane	9.606	83	103935	20.668	ug/l	88
40) Benzene	8.606	78	296886	22.551	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	39182	19.214	ug/l #	82
42) 1,2-Dichloroethane	8.671	62	106408	22.967	ug/l	99
43) Isopropyl Acetate	8.688	43	136806	21.404	ug/l #	91
44) Trichloroethene	9.353	130	74132	20.021	ug/l	89
45) 1,2-Dichloropropane	9.623	63	69256	21.706	ug/l	99
46) Dibromomethane	9.712	93	57738	23.829	ug/l #	89
47) Bromodichloromethane	9.888	83	115748	24.433	ug/l	97
48) Methyl methacrylate	9.682	41	61247	20.775	ug/l #	84
49) 1,4-Dioxane	9.700	88	30522	430.814	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	415608	106.562	ug/l	93
52) Toluene	10.629	92	194678	23.266	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	108300	21.171	ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	115601	21.077	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	75089	22.298	ug/l	95
56) Ethyl methacrylate	10.876	69	102984	22.103	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	125036	22.650	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	257265	121.415	ug/l #	86
59) 2-Hexanone	11.200	43	310112	107.546	ug/l	93
60) Dibromochloromethane	11.359	129	90761	24.507	ug/l	98
61) 1,2-Dibromoethane	11.470	107	76901	22.399	ug/l	98
64) Tetrachloroethene	11.106	164	82357	21.229	ug/l	93
65) Chlorobenzene	11.894	112	213562	22.259	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	76787	21.594	ug/l	97
67) Ethyl Benzene	11.964	91	353841	21.231	ug/l	97
68) m/p-Xylenes	12.076	106	280301	44.863	ug/l	95
69) o-Xylene	12.406	106	132823	21.655	ug/l	93
70) Styrene	12.412	104	222115	22.453	ug/l	97
71) Bromoform	12.582	173	57776	21.622	ug/l #	99
73) Isopropylbenzene	12.700	105	339098	19.319	ug/l	97
74) N-amyl acetate	12.494	43	117893	18.560	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.941	83	96445	18.688	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	97683m	19.832	ug/l	
77) Bromobenzene	12.982	156	83696	19.303	ug/l	74
78) n-propylbenzene	13.041	91	410399	19.799	ug/l	96
79) 2-Chlorotoluene	13.129	91	250888	20.223	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	297711	20.535	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	39593	21.722	ug/l	98
82) 4-Chlorotoluene	13.223	91	252673	20.658	ug/l	92
83) tert-Butylbenzene	13.441	119	238770	19.099	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	301983	20.725	ug/l	96
85) sec-Butylbenzene	13.617	105	351361	19.660	ug/l	94
86) p-Isopropyltoluene	13.729	119	288564	19.752	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	169012	21.215	ug/l	94
88) 1,4-Dichlorobenzene	13.817	146	166502	20.185	ug/l	96
89) n-Butylbenzene	14.058	91	247317	19.091	ug/l	97
90) Hexachloroethane	14.341	117	56766	20.517	ug/l	95
91) 1,2-Dichlorobenzene	14.111	146	158738	20.702	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	20926	19.053	ug/l	73
93) 1,2,4-Trichlorobenzene	15.394	180	83211	18.769	ug/l	99
94) Hexachlorobutadiene	15.505	225	32382	16.647	ug/l	97
95) Naphthalene	15.647	128	260313	18.120	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	83298	18.679	ug/l	99

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

