

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072823\
 Data File : VN078685.D
 Acq On : 28 Jul 2023 15:15
 Operator : JC\MD
 Sample : VN0728WBS03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728WBS03

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 29 00:49:20 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	8.235	168	779903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1327316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	1143744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	448928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	530420	50.732	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.460%			
35) Dibromofluoromethane	8.177	113	476588	52.894	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.780%			
50) Toluene-d8	10.576	98	1701314	49.983	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.960%			
62) 4-Bromofluorobenzene	12.859	95	557298	53.155	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	180785	18.907	ug/l	99
3) Chloromethane	2.371	50	170893	16.443	ug/l	95
4) Vinyl Chloride	2.518	62	164052	12.202	ug/l	94
5) Bromomethane	2.947	94	177038	17.597	ug/l	99
6) Chloroethane	3.118	64	102440	11.101	ug/l	99
7) Trichlorofluoromethane	3.500	101	284501	17.702	ug/l	99
8) Diethyl Ether	3.971	74	102027	19.054	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.377	101	154570	18.169	ug/l	94
10) Methyl Iodide	4.600	142	210284	17.987	ug/l	94
11) Tert butyl alcohol	5.547	59	172999	107.302	ug/l	97
12) 1,1-Dichloroethene	4.347	96	149737	18.195	ug/l	93
13) Acrolein	4.194	56	151815	95.707	ug/l	97
14) Allyl chloride	5.030	41	233989	20.808	ug/l #	82
15) Acrylonitrile	5.736	53	433727	106.474	ug/l	98
16) Acetone	4.447	43	318768	97.876	ug/l	94
17) Carbon Disulfide	4.718	76	410005	17.230	ug/l	100
18) Methyl Acetate	5.047	43	285908	20.738	ug/l	89
19) Methyl tert-butyl Ether	5.812	73	507357	18.712	ug/l	97
20) Methylene Chloride	5.289	84	186264	19.185	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	169020	18.226	ug/l #	82
22) Diisopropyl ether	6.688	45	513306	20.386	ug/l	91
23) Vinyl Acetate	6.618	43	1563485	97.673	ug/l #	89
24) 1,1-Dichloroethane	6.583	63	317866	18.735	ug/l	97
25) 2-Butanone	7.500	43	539530	105.238	ug/l	89
26) 2,2-Dichloropropane	7.500	77	261608	18.852	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	198064	18.463	ug/l	92
28) Bromochloromethane	7.824	49	165925	20.763	ug/l	87
29) Tetrahydrofuran	7.853	42	364594	108.381	ug/l #	81
30) Chloroform	7.971	83	328042	18.571	ug/l	91
31) Cyclohexane	8.265	56	266455	18.857	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	283032	17.872	ug/l	98
36) 1,1-Dichloropropene	8.377	75	241999	18.601	ug/l	98
37) Ethyl Acetate	7.577	43	224573	20.707	ug/l	97
38) Carbon Tetrachloride	8.371	117	260414	18.417	ug/l	97
39) Methylcyclohexane	9.606	83	225942	19.026	ug/l	87
40) Benzene	8.618	78	758745	19.686	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	126014	22.792	ug/l #	85
42) 1,2-Dichloroethane	8.677	62	239936	18.302	ug/l	100
43) Isopropyl Acetate	8.700	43	390691	21.881	ug/l #	92
44) Trichloroethene	9.359	130	184149	17.727	ug/l	100
45) 1,2-Dichloropropane	9.629	63	197834	20.266	ug/l	98
46) Dibromomethane	9.718	93	129277	18.816	ug/l	90
47) Bromodichloromethane	9.894	83	258551	18.772	ug/l	98
48) Methyl methacrylate	9.688	41	162688	19.667	ug/l #	84
49) 1,4-Dioxane	9.700	88	75123	416.419	ug/l	88
51) 4-Methyl-2-Pentanone	10.453	43	1111020	104.610	ug/l	97
52) Toluene	10.635	92	462993	19.382	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	270173	19.148	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	304654	20.256	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	181894	19.326	ug/l	96
56) Ethyl methacrylate	10.882	69	268308	20.393	ug/l #	87
57) 1,3-Dichloropropane	11.171	76	310166	19.382	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	482153	102.834	ug/l	92
59) 2-Hexanone	11.200	43	795561	105.397	ug/l	96
60) Dibromochloromethane	11.365	129	198594	19.113	ug/l	100
61) 1,2-Dibromoethane	11.476	107	180828	18.651	ug/l	100
64) Tetrachloroethene	11.112	164	150033	17.448	ug/l	99
65) Chlorobenzene	11.900	112	471268	18.434	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	181183	18.422	ug/l	97
67) Ethyl Benzene	11.970	91	821879	19.019	ug/l	100
68) m/p-Xylenes	12.076	106	618546	38.714	ug/l	95
69) o-Xylene	12.406	106	296117	18.349	ug/l	92
70) Styrene	12.417	104	485950	19.247	ug/l	99
71) Bromoform	12.588	173	130759	19.631	ug/l #	97
73) Isopropylbenzene	12.700	105	752913	17.849	ug/l	99
74) N-amyl acetate	12.500	43	265598	18.270	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	262473	20.447	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	213174m	19.645	ug/l	
77) Bromobenzene	12.988	156	179363	18.581	ug/l	98
78) n-propylbenzene	13.041	91	814573	18.056	ug/l	99
79) 2-Chlorotoluene	13.129	91	538133	18.211	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	605822	18.177	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	75983	18.401	ug/l #	85
82) 4-Chlorotoluene	13.229	91	495949	17.992	ug/l	99
83) tert-Butylbenzene	13.447	119	506278	17.891	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	599538	18.519	ug/l	100
85) sec-Butylbenzene	13.623	105	649516	18.159	ug/l	100
86) p-Isopropyltoluene	13.735	119	517970	18.035	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	282239	17.429	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	268707	16.474	ug/l	98
89) n-Butylbenzene	14.064	91	376100	18.302	ug/l	98
90) Hexachloroethane	14.341	117	103806	19.162	ug/l	74
91) 1,2-Dichlorobenzene	14.111	146	272426	16.904	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	39573	18.382	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	68857	13.387	ug/l	95
94) Hexachlorobutadiene	15.506	225	61109	20.527	ug/l	96
95) Naphthalene	15.647	128	203650	11.582	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	83789	14.168	ug/l	98

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

