

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071023\
 Data File : VN078456.D
 Acq On : 10 Jul 2023 16:03
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN071023

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 11 01:31:22 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	528809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	894994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	798638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	333955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	345961	48.801	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.600%		
35) Dibromofluoromethane	8.177	113	307254	50.573	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.140%		
50) Toluene-d8	10.571	98	1169443	50.953	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.900%		
62) 4-Bromofluorobenzene	12.853	95	368551	52.132	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	279928	43.175	ug/l	96
3) Chloromethane	2.371	50	321424	45.612	ug/l	99
4) Vinyl Chloride	2.518	62	425744	46.703	ug/l	97
5) Bromomethane	2.942	94	269307	46.343	ug/l	96
6) Chloroethane	3.118	64	259254	46.895	ug/l	100
7) Trichlorofluoromethane	3.495	101	498754	45.769	ug/l	98
8) Diethyl Ether	3.971	74	168828	46.501	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.371	101	266861	46.262	ug/l	97
10) Methyl Iodide	4.595	142	373684	47.142	ug/l	96
11) Tert butyl alcohol	5.536	59	247395	226.307	ug/l	99
12) 1,1-Dichloroethene	4.342	96	256230	45.920	ug/l	93
13) Acrolein	4.189	56	235428	218.892	ug/l	95
14) Allyl chloride	5.036	41	372034	48.794	ug/l	96
15) Acrylonitrile	5.730	53	644377	233.296	ug/l	99
16) Acetone	4.436	43	608092	275.366	ug/l	98
17) Carbon Disulfide	4.712	76	720224	44.637	ug/l	96
18) Methyl Acetate	5.036	43	414097	44.297	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	871414	47.399	ug/l	97
20) Methylene Chloride	5.283	84	306926	48.416	ug/l	91
21) trans-1,2-Dichloroethene	5.800	96	289530	46.046	ug/l	87
22) Diisopropyl ether	6.683	45	834818	48.898	ug/l	95
23) Vinyl Acetate	6.612	43	2687024	247.568	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	527638	45.865	ug/l	98
25) 2-Butanone	7.488	43	868947	249.973	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	477212	50.718	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	345014	47.431	ug/l	93
28) Bromochloromethane	7.818	49	232983	42.998	ug/l	92
29) Tetrahydrofuran	7.847	42	530795	232.708	ug/l	86
30) Chloroform	7.971	83	575675	48.065	ug/l	97
31) Cyclohexane	8.265	56	430606	44.945	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	508638	47.368	ug/l	95
36) 1,1-Dichloropropene	8.377	75	431213	49.155	ug/l	97
37) Ethyl Acetate	7.571	43	354553	48.483	ug/l #	95
38) Carbon Tetrachloride	8.371	117	459176	48.160	ug/l	100
39) Methylcyclohexane	9.606	83	406419	50.755	ug/l	92
40) Benzene	8.612	78	1262934	48.595	ug/l	99

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41) Methacrylonitrile	7.788	41	175098	46.968	ug/l	93
42) 1,2-Dichloroethane	8.677	62	419227	47.424	ug/l	99
43) Isopropyl Acetate	8.694	43	595909	49.495	ug/l	94
44) Trichloroethene	9.359	130	331665	47.350	ug/l	93
45) 1,2-Dichloropropane	9.630	63	320943	48.758	ug/l	97
46) Dibromomethane	9.718	93	225919	48.764	ug/l	93
47) Bromodichloromethane	9.894	83	455420	49.039	ug/l	100
48) Methyl methacrylate	9.688	41	276133	49.505	ug/l	88
49) 1,4-Dioxane	9.700	88	121014	994.827	ug/l	94
51) 4-Methyl-2-Pentanone	10.453	43	1765834	246.578	ug/l	94
52) Toluene	10.635	92	803101	49.859	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	482793	50.745	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	523230	51.593	ug/l	98
55) 1,1,2-Trichloroethane	11.024	97	312419	49.229	ug/l	96
56) Ethyl methacrylate	10.882	69	458888	51.727	ug/l	93
57) 1,3-Dichloropropane	11.171	76	522939	48.463	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	819605	259.244	ug/l	93
59) 2-Hexanone	11.200	43	1317798	258.916	ug/l	93
60) Dibromochloromethane	11.365	129	346514	49.458	ug/l	98
61) 1,2-Dibromoethane	11.476	107	321543	49.185	ug/l	98
64) Tetrachloroethene	11.112	164	291480	48.545	ug/l	99
65) Chlorobenzene	11.894	112	860680	48.214	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	327131	47.635	ug/l	98
67) Ethyl Benzene	11.971	91	1520856	50.401	ug/l	100
68) m/p-Xylenes	12.076	106	1158045	103.800	ug/l	98
69) o-Xylene	12.406	106	564591	50.103	ug/l	98
70) Styrene	12.418	104	929871	52.745	ug/l	99
71) Bromoform	12.582	173	233386	50.180	ug/l #	98
73) Isopropylbenzene	12.700	105	1398310	44.561	ug/l	99
74) N-amyl acetate	12.500	43	468909	43.361	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	431310	49.159	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	348837m	43.215	ug/l	
77) Bromobenzene	12.988	156	335515	49.140	ug/l	95
78) n-propylbenzene	13.041	91	1609138	47.950	ug/l	99
79) 2-Chlorotoluene	13.129	91	979494	44.560	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1137852	45.892	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	156117	50.823	ug/l	93
82) 4-Chlorotoluene	13.229	91	958209	46.728	ug/l	98
83) tert-Butylbenzene	13.441	119	945504	44.916	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1119919	46.502	ug/l	98
85) sec-Butylbenzene	13.623	105	1238077	46.531	ug/l	100
86) p-Isopropyltoluene	13.735	119	1027718	48.103	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	562840	46.722	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	562080	46.323	ug/l	99
89) n-Butylbenzene	14.065	91	768508	50.273	ug/l	98
90) Hexachloroethane	14.341	117	189853	48.320	ug/l	85
91) 1,2-Dichlorobenzene	14.112	146	549428	45.830	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	69349	46.010	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	185986	48.609	ug/l	98
94) Hexachlorobutadiene	15.506	225	100103	50.626	ug/l	98
95) Naphthalene	15.647	128	552670	42.252	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	196132	44.581	ug/l	98

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

