

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071223\
 Data File : VN078486.D
 Acq On : 12 Jul 2023 18:22
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 13 02:05:41 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

Manual Integrations APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	311917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	608192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	521286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	194979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	293002	70.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 140.140%#			
35) Dibromofluoromethane	8.177	113	246560	59.720	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 119.440%			
50) Toluene-d8	10.571	98	727930	46.672	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.340%			
62) 4-Bromofluorobenzene	12.853	95	229485	47.769	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.540%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	123735	32.355	ug/l	98
3) Chloromethane	2.371	50	236891	56.991	ug/l	99
4) Vinyl Chloride	2.518	62	258145	48.009	ug/l	100
5) Bromomethane	2.942	94	217883	65.617	ug/l	94
6) Chloroethane	3.118	64	192229	59.463	ug/l	98
7) Trichlorofluoromethane	3.495	101	245346	38.170	ug/l	98
8) Diethyl Ether	3.971	74	149556	69.836	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.389	101	125053	36.753	ug/l	96
10) Methyl Iodide	4.601	142	291751	62.399	ug/l	100
11) Tert butyl alcohol	5.542	59	246368	382.077	ug/l	99
12) 1,1-Dichloroethene	4.348	96	154437	46.923	ug/l	95
13) Acrolein	4.189	56	212187	334.465	ug/l	97
14) Allyl chloride	5.036	41	243984	54.251	ug/l	96
15) Acrylonitrile	5.730	53	626160	384.337	ug/l	99
16) Acetone	4.442	43	485085	372.408	ug/l	99
17) Carbon Disulfide	4.718	76	402682	42.311	ug/l	99
18) Methyl Acetate	5.036	43	415401	75.336	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	787525	72.622	ug/l	97
20) Methylene Chloride	5.289	84	260567	70.235	ug/l	94
21) trans-1,2-Dichloroethene	5.800	96	192277	51.842	ug/l	87
22) Diisopropyl ether	6.683	45	705630	70.071	ug/l	94
23) Vinyl Acetate	6.618	43	2378609	371.541	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	413776	60.978	ug/l	98
25) 2-Butanone	7.494	43	802649	391.458	ug/l	88
26) 2,2-Dichloropropane	7.500	77	200874	36.194	ug/l	94
27) cis-1,2-Dichloroethene	7.494	96	266728	62.166	ug/l	98
28) Bromochloromethane	7.824	49	219295	68.614	ug/l	94
29) Tetrahydrofuran	7.847	42	526090	391.025	ug/l	87
30) Chloroform	7.977	83	453155	64.145	ug/l	99
31) Cyclohexane	8.265	56	195993	34.682	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	323952	51.146	ug/l	97
36) 1,1-Dichloropropene	8.377	75	222120	37.260	ug/l	99
37) Ethyl Acetate	7.571	43	348997	70.229	ug/l	95
38) Carbon Tetrachloride	8.371	117	258541	39.904	ug/l	96
39) Methylcyclohexane	9.612	83	173753	31.931	ug/l	91
40) Benzene	8.612	78	918421	52.003	ug/l	99

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41) Methacrylonitrile	7.794	41	178297	70.380	ug/l	92
42) 1,2-Dichloroethane	8.677	62	375717	62.545	ug/l	97
43) Isopropyl Acetate	8.694	43	557130	68.095	ug/l	94
44) Trichloroethene	9.359	130	201244	42.279	ug/l	94
45) 1,2-Dichloropropane	9.630	63	257404	57.546	ug/l	98
46) Dibromomethane	9.718	93	198485	63.046	ug/l	92
47) Bromodichloromethane	9.894	83	367896	58.295	ug/l	95
48) Methyl methacrylate	9.688	41	256170	67.583	ug/l	87
49) 1,4-Dioxane	9.700	88	114858	1389.481	ug/l	93
51) 4-Methyl-2-Pentanone	10.453	43	1744233	358.416	ug/l	94
52) Toluene	10.635	92	500740	45.747	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	364485	56.376	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	383223	55.607	ug/l	94
55) 1,1,2-Trichloroethane	11.024	97	272205	63.119	ug/l	97
56) Ethyl methacrylate	10.882	69	401953	66.675	ug/l	93
57) 1,3-Dichloropropane	11.171	76	446471	60.887	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	739509	344.213	ug/l	93
59) 2-Hexanone	11.200	43	1261856	364.838	ug/l	92
60) Dibromochloromethane	11.365	129	293626	61.673	ug/l	100
61) 1,2-Dibromoethane	11.477	107	278819	62.761	ug/l	96
64) Tetrachloroethene	11.112	164	161005	41.081	ug/l	96
65) Chlorobenzene	11.900	112	540698	46.404	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	237372	52.955	ug/l	98
67) Ethyl Benzene	11.971	91	842994	42.801	ug/l	98
68) m/p-Xylenes	12.077	106	643329	88.344	ug/l	99
69) o-Xylene	12.406	106	329018	44.732	ug/l	95
70) Styrene	12.418	104	566236	49.208	ug/l	99
71) Bromoform	12.582	173	201047	66.225	ug/l #	99
73) Isopropylbenzene	12.700	105	722306	39.425	ug/l	99
74) N-amyl acetate	12.500	43	401837	63.644	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	387065	77.334	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	310132m	65.805	ug/l	
77) Bromobenzene	12.988	156	215633	54.253	ug/l	96
78) n-propylbenzene	13.041	91	779693	39.794	ug/l	100
79) 2-Chlorotoluene	13.129	91	540142	42.087	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	597309	41.262	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	113154	63.093	ug/l	93
82) 4-Chlorotoluene	13.224	91	502965	42.011	ug/l	97
83) tert-Butylbenzene	13.447	119	489495	39.828	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	615024	43.740	ug/l	99
85) sec-Butylbenzene	13.623	105	591594	38.082	ug/l	100
86) p-Isopropyltoluene	13.735	119	484709	38.858	ug/l	97
87) 1,3-Dichlorobenzene	13.741	146	320881	45.623	ug/l	96
88) 1,4-Dichlorobenzene	13.818	146	301653	42.580	ug/l	97
89) n-Butylbenzene	14.059	91	354835	39.757	ug/l	97
90) Hexachloroethane	14.335	117	96134	41.797	ug/l	80
91) 1,2-Dichlorobenzene	14.112	146	334000	47.718	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	66452	76.793	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	93056	41.656	ug/l	93
94) Hexachlorobutadiene	15.506	225	47578	40.374	ug/l	98
95) Naphthalene	15.647	128	376085	49.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	110387	42.975	ug/l	93

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

