

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078508.D
 Acq On : 14 Jul 2023 09:12
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

Quant Time: Jul 15 03:55:20 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	8.230	168	480719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	810635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	725667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	308560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	330474	51.280	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.560%			
35) Dibromofluoromethane	8.171	113	289207	52.556	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.120%			
50) Toluene-d8	10.571	98	1077791	51.847	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.700%			
62) 4-Bromofluorobenzene	12.853	95	346188	54.065	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.140%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	249578	42.345	ug/l	98
3) Chloromethane	2.371	50	318427	49.707	ug/l	100
4) Vinyl Chloride	2.518	62	382203	46.121	ug/l	95
5) Bromomethane	2.948	94	250537	47.555	ug/l	98
6) Chloroethane	3.118	64	249519	49.766	ug/l	97
7) Trichlorofluoromethane	3.501	101	460487	46.485	ug/l	100
8) Diethyl Ether	3.971	74	155858	47.223	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.383	101	253194	48.284	ug/l	96
10) Methyl Iodide	4.595	142	342049	47.468	ug/l	94
11) Tert butyl alcohol	5.530	59	221675	223.065	ug/l	100
12) 1,1-Dichloroethene	4.354	96	233706	46.074	ug/l	93
13) Acrolein	4.189	56	213578	218.442	ug/l	95
14) Allyl chloride	5.030	41	319864	46.148	ug/l	95
15) Acrylonitrile	5.730	53	595176	237.039	ug/l	99
16) Acetone	4.436	43	505950	252.033	ug/l	94
17) Carbon Disulfide	4.718	76	621160	42.349	ug/l	98
18) Methyl Acetate	5.036	43	388183	45.679	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	808505	48.376	ug/l	97
20) Methylene Chloride	5.289	84	284753	49.438	ug/l	93
21) trans-1,2-Dichloroethene	5.795	96	265399	46.430	ug/l	89
22) Diisopropyl ether	6.683	45	784711	50.561	ug/l	95
23) Vinyl Acetate	6.612	43	2430298	246.315	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	496423	47.469	ug/l	98
25) 2-Butanone	7.489	43	768254	243.115	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	437043	51.096	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	317275	47.981	ug/l	92
28) Bromochloromethane	7.818	49	244708	49.680	ug/l	94
29) Tetrahydrofuran	7.847	42	491967	237.262	ug/l	84
30) Chloroform	7.971	83	541194	49.707	ug/l	95
31) Cyclohexane	8.265	56	396597	45.536	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	480419	49.215	ug/l	97
36) 1,1-Dichloropropene	8.377	75	384173	48.350	ug/l	98
37) Ethyl Acetate	7.571	43	313819	47.379	ug/l	95
38) Carbon Tetrachloride	8.371	117	428854	49.661	ug/l	98
39) Methylcyclohexane	9.606	83	365294	50.367	ug/l	93
40) Benzene	8.612	78	1159505	49.258	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	164813	48.810	ug/l	92
42) 1,2-Dichloroethane	8.677	62	398069	49.717	ug/l	99
43) Isopropyl Acetate	8.694	43	543210	49.813	ug/l	95
44) Trichloroethene	9.359	130	304006	47.918	ug/l	94
45) 1,2-Dichloropropane	9.630	63	296940	49.806	ug/l	97
46) Dibromomethane	9.718	93	215263	51.300	ug/l	94
47) Bromodichloromethane	9.894	83	433774	51.569	ug/l	99
48) Methyl methacrylate	9.688	41	254563	50.387	ug/l	89
49) 1,4-Dioxane	9.700	88	108741	986.961	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1654865	255.130	ug/l	93
52) Toluene	10.636	92	750064	51.412	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	453850	52.667	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	481148	52.381	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	290614	50.558	ug/l	96
56) Ethyl methacrylate	10.883	69	414908	51.637	ug/l	91
57) 1,3-Dichloropropane	11.171	76	480555	49.169	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	795943	277.960	ug/l	92
59) 2-Hexanone	11.200	43	1177352	255.394	ug/l	92
60) Dibromochloromethane	11.365	129	330984	52.158	ug/l	98
61) 1,2-Dibromoethane	11.477	107	297464	50.236	ug/l	98
64) Tetrachloroethene	11.112	164	275866	50.564	ug/l	98
65) Chlorobenzene	11.900	112	797048	49.139	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	308901	49.504	ug/l	96
67) Ethyl Benzene	11.971	91	1401996	51.135	ug/l	98
68) m/p-Xylenes	12.077	106	1069668	105.519	ug/l	97
69) o-Xylene	12.406	106	524115	51.188	ug/l	98
70) Styrene	12.418	104	849156	53.010	ug/l	97
71) Bromoform	12.582	173	212874	50.372	ug/l #	99
73) Isopropylbenzene	12.700	105	1308073	45.116	ug/l	100
74) N-amyl acetate	12.500	43	428884	42.924	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	399409	49.277	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	324617m	43.524	ug/l	
77) Bromobenzene	12.982	156	314829	49.930	ug/l	94
78) n-propylbenzene	13.041	91	1489467	48.036	ug/l	100
79) 2-Chlorotoluene	13.129	91	917113	45.156	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	1068406	46.638	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	125190	44.109	ug/l	94
82) 4-Chlorotoluene	13.229	91	878939	46.390	ug/l	98
83) tert-Butylbenzene	13.441	119	887413	45.626	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1056446	47.477	ug/l	99
85) sec-Butylbenzene	13.624	105	1141692	46.440	ug/l	99
86) p-Isopropyltoluene	13.735	119	936237	47.428	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	533278	47.911	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	521825	46.545	ug/l	99
89) n-Butylbenzene	14.059	91	708203	50.141	ug/l	98
90) Hexachloroethane	14.341	117	183271	50.521	ug/l	86
91) 1,2-Dichlorobenzene	14.112	146	519161	46.869	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	63751	45.767	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	161276	45.620	ug/l	96
94) Hexachlorobutadiene	15.506	225	88385	48.178	ug/l	99
95) Naphthalene	15.647	128	489537	40.506	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	176290	43.368	ug/l	95

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

