

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061623\
 Data File : VN078248.D
 Acq On : 16 Jun 2023 09:42
 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 06/19/2023
 Supervised By : Mahesh Dadoda 06/19/2023

Quant Time: Jun 17 02:18:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	406783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	716958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	642174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	251577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	298479	55.033	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.060%			
35) Dibromofluoromethane	8.171	113	244185	53.866	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.740%			
50) Toluene-d8	10.571	98	920347	52.663	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.320%			
62) 4-Bromofluorobenzene	12.853	95	298103	54.870	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	178246	38.764	ug/l	97
3) Chloromethane	2.371	50	197968	45.603	ug/l	100
4) Vinyl Chloride	2.524	62	247908	41.172	ug/l	95
5) Bromomethane	2.953	94	188625	41.452	ug/l	99
6) Chloroethane	3.124	64	179064	43.625	ug/l	98
7) Trichlorofluoromethane	3.501	101	344801	42.228	ug/l	99
8) Diethyl Ether	3.965	74	123894	43.184	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.383	101	192999	44.788	ug/l	97
10) Methyl Iodide	4.600	142	269000	44.141	ug/l	99
11) Tert butyl alcohol	5.536	59	156359	208.786	ug/l	100
12) 1,1-Dichloroethene	4.353	96	185651	41.794	ug/l	92
13) Acrolein	4.189	56	203510	246.565	ug/l	98
14) Allyl chloride	5.036	41	250313	46.162	ug/l	91
15) Acrylonitrile	5.724	53	471352	244.127	ug/l	99
16) Acetone	4.436	43	390929	250.414	ug/l	95
17) Carbon Disulfide	4.718	76	450027	39.360	ug/l	100
18) Methyl Acetate	5.036	43	334132	46.489	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	673993	47.555	ug/l	95
20) Methylene Chloride	5.283	84	229447	44.477	ug/l	90
21) trans-1,2-Dichloroethene	5.800	96	203527	42.481	ug/l	89
22) Diisopropyl ether	6.683	45	644256	50.511	ug/l	96
23) Vinyl Acetate	6.612	43	1916826	252.812	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	402658	47.855	ug/l	99
25) 2-Butanone	7.488	43	589535	245.570	ug/l #	87
26) 2,2-Dichloropropane	7.494	77	343936	55.360	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	255356	44.683	ug/l	92
28) Bromochloromethane	7.824	49	195689	50.654	ug/l	88
29) Tetrahydrofuran	7.847	42	380091	236.836	ug/l #	84
30) Chloroform	7.971	83	441345	48.711	ug/l	92
31) Cyclohexane	8.265	56	295156	42.424	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	378581	47.594	ug/l	95
36) 1,1-Dichloropropene	8.377	75	304887	46.889	ug/l	97
37) Ethyl Acetate	7.565	43	249582	49.134	ug/l	95
38) Carbon Tetrachloride	8.365	117	329807	48.036	ug/l	95
39) Methylcyclohexane	9.606	83	276990	41.105	ug/l	90
40) Benzene	8.612	78	945070	48.684	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	136245	49.484	ug/l	92
42) 1,2-Dichloroethane	8.677	62	340194	51.112	ug/l	96
43) Isopropyl Acetate	8.694	43	437035	44.987	ug/l	95
44) Trichloroethene	9.359	130	235878	46.011	ug/l	97
45) 1,2-Dichloropropane	9.630	63	245117	50.751	ug/l	95
46) Dibromomethane	9.712	93	170336	47.881	ug/l	95
47) Bromodichloromethane	9.894	83	358315	54.223	ug/l	97
48) Methyl methacrylate	9.688	41	206150	50.567	ug/l	88
49) 1,4-Dioxane	9.694	88	75545	881.655	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1307102	255.512	ug/l	93
52) Toluene	10.635	92	589743	48.117	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	361547	52.535	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	401940	52.835	ug/l	94
55) 1,1,2-Trichloroethane	11.024	97	238925	51.532	ug/l	94
56) Ethyl methacrylate	10.877	69	349322	51.743	ug/l	92
57) 1,3-Dichloropropane	11.171	76	403160	51.514	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	686486	251.716	ug/l	92
59) 2-Hexanone	11.200	43	897743	252.036	ug/l	92
60) Dibromochloromethane	11.365	129	265774	52.385	ug/l	98
61) 1,2-Dibromoethane	11.476	107	239591	49.241	ug/l	99
64) Tetrachloroethene	11.106	164	197095	46.006	ug/l	97
65) Chlorobenzene	11.894	112	634506	46.137	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	243662	48.172	ug/l	99
67) Ethyl Benzene	11.971	91	1107112	46.655	ug/l	98
68) m/p-Xylenes	12.076	106	836004	92.443	ug/l	95
69) o-Xylene	12.406	106	416746	46.927	ug/l	97
70) Styrene	12.418	104	681767	48.763	ug/l	98
71) Bromoform	12.582	173	165196	50.607	ug/l #	98
73) Isopropylbenzene	12.700	105	1044458	43.903	ug/l	99
74) N-amyl acetate	12.500	43	353570	45.132	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	325982	49.811	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	299420m	50.345	ug/l	
77) Bromobenzene	12.988	156	237626	43.028	ug/l	98
78) n-propylbenzene	13.041	91	1176504	45.518	ug/l	99
79) 2-Chlorotoluene	13.129	91	718668	43.074	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	829733	43.079	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	95225	49.192	ug/l #	82
82) 4-Chlorotoluene	13.229	91	700636	44.995	ug/l	98
83) tert-Butylbenzene	13.441	119	699535	41.782	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	841615	45.070	ug/l	99
85) sec-Butylbenzene	13.623	105	908121	41.441	ug/l	99
86) p-Isopropyltoluene	13.735	119	751023	42.233	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	412891	44.200	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	397104	44.055	ug/l	99
89) n-Butylbenzene	14.059	91	588229	41.937	ug/l	97
90) Hexachloroethane	14.341	117	135640	42.980	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	408739	44.771	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	51502	43.706	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	133123	40.925	ug/l	96
94) Hexachlorobutadiene	15.506	225	67397	41.832	ug/l	98
95) Naphthalene	15.647	128	431893	39.472	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	148369	40.783	ug/l	99

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

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