

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
 Data File : VN077776.D
 Acq On : 19 May 2023 19:57
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2023
 Supervised By : Mahesh Dadoda 05/22/2023

Quant Time: May 19 23:57:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	403258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	716576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	627471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	278224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	289168	47.925	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.840%		
35) Dibromofluoromethane	8.177	113	245259	52.488	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.980%		
50) Toluene-d8	10.571	98	944903	52.537	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.080%		
62) 4-Bromofluorobenzene	12.853	95	319693	50.328	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	191114	41.643	ug/l	96
3) Chloromethane	2.371	50	187522	38.112	ug/l	97
4) Vinyl Chloride	2.524	62	226390	39.126	ug/l	100
5) Bromomethane	2.965	94	163905	38.301	ug/l	91
6) Chloroethane	3.130	64	162915	39.069	ug/l	98
7) Trichlorofluoromethane	3.506	101	362892	45.003	ug/l	97
8) Diethyl Ether	3.971	74	127074	43.166	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.383	101	199283	44.657	ug/l	97
10) Methyl Iodide	4.600	142	255566	48.021	ug/l	98
11) Tert butyl alcohol	5.518	59	170616	204.890	ug/l	99
12) 1,1-Dichloroethene	4.353	96	187063	44.104	ug/l	90
13) Acrolein	4.189	56	116527	221.680	ug/l	97
14) Allyl chloride	5.030	41	238770	38.321	ug/l	91
15) Acrylonitrile	5.730	53	465898	209.420	ug/l	99
16) Acetone	4.436	43	368178	193.951	ug/l	95
17) Carbon Disulfide	4.724	76	414779	36.295	ug/l	99
18) Methyl Acetate	5.030	43	331341	41.606	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	669240	43.593	ug/l	98
20) Methylene Chloride	5.294	84	224695	45.290	ug/l	94
21) trans-1,2-Dichloroethene	5.800	96	204046	42.828	ug/l	85
22) Diisopropyl ether	6.683	45	621520	42.557	ug/l	93
23) Vinyl Acetate	6.612	43	1862869	205.872	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	397294	44.403	ug/l	99
25) 2-Butanone	7.488	43	595243	200.451	ug/l	88
26) 2,2-Dichloropropane	7.500	77	319299	42.005	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	255091	44.654	ug/l	93
28) Bromochloromethane	7.824	49	183465	47.412	ug/l	90
29) Tetrahydrofuran	7.841	42	376633	193.699	ug/l	88
30) Chloroform	7.977	83	435479	44.245	ug/l	96
31) Cyclohexane	8.265	56	328052	40.003	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	387411	46.297	ug/l	96
36) 1,1-Dichloropropene	8.377	75	307780	45.033	ug/l	98
37) Ethyl Acetate	7.565	43	243599	39.989	ug/l	95
38) Carbon Tetrachloride	8.365	117	335652	48.635	ug/l	97
39) Methylcyclohexane	9.606	83	375366	44.861	ug/l	94
40) Benzene	8.612	78	924839	45.855	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	132270	40.771	ug/l	92
42) 1,2-Dichloroethane	8.677	62	327706	44.730	ug/l	97
43) Isopropyl Acetate	8.694	43	420464	42.257	ug/l	97
44) Trichloroethene	9.359	130	248698	48.699	ug/l	98
45) 1,2-Dichloropropane	9.629	63	239329	46.522	ug/l	96
46) Dibromomethane	9.718	93	169089	45.933	ug/l	96
47) Bromodichloromethane	9.894	83	337864	47.940	ug/l	97
48) Methyl methacrylate	9.688	41	201431	42.698	ug/l	89
49) 1,4-Dioxane	9.700	88	84372	946.912	ug/l #	90
51) 4-Methyl-2-Pentanone	10.453	43	1304537	220.566	ug/l	93
52) Toluene	10.635	92	589404	46.942	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	341868	45.807	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	374762	45.566	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	238115	47.762	ug/l	98
56) Ethyl methacrylate	10.882	69	341080	45.248	ug/l	92
57) 1,3-Dichloropropane	11.171	76	395670	46.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.171	63	845182	227.910	ug/l	92
59) 2-Hexanone	11.206	43	904564	206.771	ug/l	94
60) Dibromochloromethane	11.365	129	256370	49.812	ug/l	99
61) 1,2-Dibromoethane	11.476	107	235470	47.344	ug/l	99
64) Tetrachloroethene	11.112	164	242795	55.331	ug/l	99
65) Chlorobenzene	11.900	112	638335	46.927	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.971	131	240728	51.145	ug/l	99
67) Ethyl Benzene	11.971	91	1140686	46.794	ug/l	100
68) m/p-Xylenes	12.076	106	887722	96.109	ug/l	99
69) o-Xylene	12.406	106	436220	48.022	ug/l	100
70) Styrene	12.418	104	701350	48.603	ug/l	98
71) Bromoform	12.588	173	161210	51.487	ug/l #	99
73) Isopropylbenzene	12.700	105	1155401	48.176	ug/l	99
74) N-amyl acetate	12.500	43	341896	38.568	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	317403	43.020	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	316974m	45.492	ug/l	
77) Bromobenzene	12.988	156	245112	44.785	ug/l	99
78) n-propylbenzene	13.041	91	1310010	46.332	ug/l	99
79) 2-Chlorotoluene	13.129	91	779128	46.179	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	969180	48.082	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	90684	41.602	ug/l	92
82) 4-Chlorotoluene	13.229	91	742110	44.208	ug/l	98
83) tert-Butylbenzene	13.447	119	846094	48.082	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	947572	47.800	ug/l	98
85) sec-Butylbenzene	13.623	105	1190868	47.619	ug/l	99
86) p-Isopropyltoluene	13.735	119	985104	49.410	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	461938	45.639	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	450997	44.902	ug/l	99
89) n-Butylbenzene	14.065	91	814177	44.399	ug/l	99
90) Hexachloroethane	14.341	117	164496	50.224	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	456781	48.308	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	57235	40.069	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	214523	38.823	ug/l	100
94) Hexachlorobutadiene	15.506	225	108887	47.461	ug/l	100
95) Naphthalene	15.647	128	635429	33.409	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	212784	39.330	ug/l	97

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

