

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120621\
 Data File : VN069777.D
 Acq On : 6 Dec 2021 11:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/07/2021
 Supervised By : Mahesh Dadoda 12/10/2021

Quant Time: Dec 06 15:11:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1088560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1752211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1656252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	728451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	803185	47.788	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.580%		
35) Dibromofluoromethane	8.021	113	548846	50.007	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.020%		
50) Toluene-d8	10.440	98	2190815	49.712	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.420%		
62) 4-Bromofluorobenzene	12.731	95	821300	51.442	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	670757	52.830	ug/l	99
3) Chloromethane	2.301	50	766967	48.218	ug/l	100
4) Vinyl Chloride	2.446	62	736498	50.356	ug/l	99
5) Bromomethane	2.834	94	401968	50.588	ug/l	99
6) Chloroethane	3.009	64	439726	49.063	ug/l	98
7) Trichlorofluoromethane	3.368	101	978594	50.980	ug/l	99
8) Diethyl Ether	3.821	74	372300	50.358	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.202	101	575550	53.488	ug/l	96
10) Methyl Iodide	4.414	142	657205	44.708	ug/l	97
11) Tert butyl alcohol	5.380	59	692388	217.937	ug/l	98
12) 1,1-Dichloroethene	4.173	96	520400	50.188	ug/l	88
13) Acrolein	4.039	56	1014937	375.138	ug/l	98
14) Allyl chloride	4.835	41	1179130	50.466	ug/l	94
15) Acrylonitrile	5.554	53	2003265	234.002	ug/l	99
16) Acetone	4.285	43	2623144	259.450	ug/l	96
17) Carbon Disulfide	4.524	76	1411866	52.705	ug/l	99
18) Methyl Acetate	4.854	43	1396392	45.757	ug/l	92
19) Methyl tert-butyl Ether	5.616	73	2014709	49.971	ug/l	96
20) Methylene Chloride	5.090	84	648694	48.264	ug/l	86
21) trans-1,2-Dichloroethene	5.591	96	567630	50.401	ug/l	89
22) Diisopropyl ether	6.495	45	2364015	51.765	ug/l	96
23) Vinyl Acetate	6.434	43	9678016	260.484	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	1223463	51.717	ug/l	98
25) 2-Butanone	7.335	43	3252778	236.788	ug/l	91
26) 2,2-Dichloropropane	7.324	77	982609	53.422	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	681564	50.089	ug/l	85
28) Bromochloromethane	7.657	49	600175	48.787	ug/l #	79
29) Tetrahydrofuran	7.686	42	1953690	234.213	ug/l	88
30) Chloroform	7.817	83	1217353	50.953	ug/l	100
31) Cyclohexane	8.094	56	1174773	50.225	ug/l	89
32) 1,1,1-Trichloroethane	8.013	97	1048349	51.513	ug/l	95
36) 1,1-Dichloropropene	8.220	75	897171	53.786	ug/l	97
37) Ethyl Acetate	7.413	43	1177316	47.421	ug/l	96
38) Carbon Tetrachloride	8.206	117	888485	54.317	ug/l	99
39) Methylcyclohexane	9.459	83	1120529	56.475	ug/l	90
40) Benzene	8.458	78	2686525	52.691	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	590835	50.696	ug/l	89
42) 1,2-Dichloroethane	8.528	62	1063942	51.693	ug/l	96
43) Isopropyl Acetate	8.560	43	1863822	50.731	ug/l #	93
44) Trichloroethene	9.217	130	645625	53.054	ug/l	88
45) 1,2-Dichloropropane	9.488	63	723720	52.859	ug/l	99
46) Dibromomethane	9.577	93	471561	52.516	ug/l	93
47) Bromodichloromethane	9.762	83	942899	55.461	ug/l	99
48) Methyl methacrylate	9.558	41	878720	51.251	ug/l	86
49) 1,4-Dioxane	9.569	88	302200	982.308	ug/l #	85
51) 4-Methyl-2-Pentanone	10.331	43	6073456	254.823	ug/l	95
52) Toluene	10.505	92	1678029	53.908	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	1011033	49.468	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	1095176	50.984	ug/l #	89
55) 1,1,2-Trichloroethane	10.896	97	655216	52.169	ug/l	97
56) Ethyl methacrylate	10.762	69	1118697	47.334	ug/l #	86
57) 1,3-Dichloropropane	11.044	76	1166188	52.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1350145	213.848	ug/l	91
59) 2-Hexanone	11.084	43	4566425	253.273	ug/l	93
60) Dibromochloromethane	11.237	129	673528	50.048	ug/l	100
61) 1,2-Dibromoethane	11.344	107	686225	52.752	ug/l	99
64) Tetrachloroethene	10.977	164	594011	52.893	ug/l	96
65) Chlorobenzene	11.771	112	1772982	52.767	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	646210	54.642	ug/l	99
67) Ethyl Benzene	11.843	91	3367553	55.175	ug/l	96
68) m/p-Xylenes	11.953	106	2485939	111.863	ug/l #	1
69) o-Xylene	12.280	106	1232772	55.072	ug/l	92
70) Styrene	12.294	104	2006118	56.518	ug/l	95
71) Bromoform	12.457	173	499348	49.402	ug/l #	100
73) Isopropylbenzene	12.578	105	3270692	50.465	ug/l	98
74) N-amyl acetate	12.388	43	1402654	48.937	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	1057139	47.168	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	1070349m	51.237	ug/l	
77) Bromobenzene	12.860	156	746034	49.006	ug/l	80
78) n-propylbenzene	12.919	91	3811413	52.847	ug/l	96
79) 2-Chlorotoluene	13.007	91	2293527	50.328	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2707770	51.907	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	305699	48.065	ug/l	95
82) 4-Chlorotoluene	13.104	91	2227419	51.974	ug/l	92
83) tert-Butylbenzene	13.324	119	2314010	50.096	ug/l	92
84) 1,2,4-Trimethylbenzene	13.369	105	2628442	52.907	ug/l	98
85) sec-Butylbenzene	13.501	105	3303363	52.724	ug/l	98
86) p-Isopropyltoluene	13.616	119	2653253	54.177	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1310586	52.403	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1257549	51.167	ug/l	97
89) n-Butylbenzene	13.943	91	2208260	55.585	ug/l	97
90) Hexachloroethane	14.211	117	457390	53.195	ug/l	89
91) 1,2-Dichlorobenzene	13.989	146	1240115	50.891	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	192661	47.572	ug/l	79
93) 1,2,4-Trichlorobenzene	15.265	180	573099	48.070	ug/l	98
94) Hexachlorobutadiene	15.370	225	343600	53.205	ug/l	100
95) Naphthalene	15.507	128	1432432	41.016	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	550242	47.374	ug/l	98

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

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