

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073627.D
 Acq On : 29 Jul 2022 10:53
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/01/2022
 Supervised By : Mahesh Dadoda 08/01/2022

Quant Time: Aug 01 04:04:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	419800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	653598	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	613556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	301425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	239148	46.746	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.500%		
35) Dibromofluoromethane	7.951	113	201897	49.193	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.380%		
50) Toluene-d8	10.381	98	811168	50.226	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.460%		
62) 4-Bromofluorobenzene	12.669	95	271294	50.233	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	182360	44.786	ug/l	98
3) Chloromethane	2.269	50	233466	47.585	ug/l	99
4) Vinyl Chloride	2.405	62	287322	40.347	ug/l	99
5) Bromomethane	2.781	94	199244	48.242	ug/l	96
6) Chloroethane	2.952	64	199133	47.852	ug/l	100
7) Trichlorofluoromethane	3.310	101	311593	42.456	ug/l	100
8) Diethyl Ether	3.763	74	128584	46.660	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.140	101	188030	46.307	ug/l	98
10) Methyl Iodide	4.346	142	219795	53.245	ug/l	99
11) Tert butyl alcohol	5.287	59	259102	234.837	ug/l	99
12) 1,1-Dichloroethene	4.110	96	181135	45.478	ug/l	91
13) Acrolein	3.975	56	310391	283.765	ug/l	99
14) Allyl chloride	4.757	41	281793	44.252	ug/l	97
15) Acrylonitrile	5.475	53	702771	230.265	ug/l	100
16) Acetone	4.216	43	552398	201.032	ug/l	96
17) Carbon Disulfide	4.457	76	463286	43.868	ug/l	99
18) Methyl Acetate	4.769	43	300315	43.930	ug/l	99
19) Methyl tert-butyl Ether	5.528	73	672100	49.394	ug/l	98
20) Methylene Chloride	5.004	84	222875	50.144	ug/l	97
21) trans-1,2-Dichloroethene	5.510	96	200829	46.579	ug/l	94
22) Diisopropyl ether	6.404	45	636744	46.348	ug/l	96
23) Vinyl Acetate	6.346	43	2856213	247.972	ug/l	99
24) 1,1-Dichloroethane	6.304	63	376331	44.527	ug/l	99
25) 2-Butanone	7.257	43	928913	217.682	ug/l	99
26) 2,2-Dichloropropane	7.245	77	291573	44.840	ug/l	98
27) cis-1,2-Dichloroethene	7.245	96	249590	46.985	ug/l	94
28) Bromochloromethane	7.581	49	162018	45.655	ug/l	95
29) Tetrahydrofuran	7.604	42	605413	224.394	ug/l	96
30) Chloroform	7.745	83	399908	45.414	ug/l	100
31) Cyclohexane	8.022	56	328296	43.103	ug/l	96
32) 1,1,1-Trichloroethane	7.940	97	337329	46.136	ug/l	98
36) 1,1-Dichloropropene	8.145	75	287825	49.205	ug/l	99
37) Ethyl Acetate	7.334	43	376516	48.876	ug/l	98
38) Carbon Tetrachloride	8.134	117	293394	49.385	ug/l	99
39) Methylcyclohexane	9.392	83	367201	52.532	ug/l	97
40) Benzene	8.387	78	906151	47.705	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	167848	48.151	ug/l	96
42) 1,2-Dichloroethane	8.463	62	305793	47.767	ug/l	98
43) Isopropyl Acetate	8.492	43	531778	51.108	ug/l	99
44) Trichloroethene	9.151	130	238001	49.410	ug/l	96
45) 1,2-Dichloropropane	9.422	63	224004	47.180	ug/l	97
46) Dibromomethane	9.510	93	162842	49.418	ug/l	99
47) Bromodichloromethane	9.698	83	312605	49.428	ug/l	99
48) Methyl methacrylate	9.498	41	247203	54.276	ug/l	97
49) 1,4-Dioxane	9.504	88	131098	1021.111	ug/l	96
51) 4-Methyl-2-Pentanone	10.269	43	1850867	248.009	ug/l	99
52) Toluene	10.439	92	586764	50.573	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	338577	54.190	ug/l	98
54) cis-1,3-Dichloropropene	10.128	75	369449	52.473	ug/l	98
55) 1,1,2-Trichloroethane	10.839	97	244619	50.560	ug/l	98
56) Ethyl methacrylate	10.698	69	382576	57.373	ug/l	98
57) 1,3-Dichloropropane	10.986	76	407858	49.686	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.981	63	824857	234.401	ug/l	100
59) 2-Hexanone	11.028	43	1439678	254.622	ug/l	100
60) Dibromochloromethane	11.181	129	261135	54.253	ug/l	100
61) 1,2-Dibromoethane	11.286	107	260593	52.297	ug/l	99
64) Tetrachloroethene	10.916	164	232528	47.687	ug/l	98
65) Chlorobenzene	11.710	112	642025	49.264	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	240906	51.537	ug/l	99
67) Ethyl Benzene	11.786	91	1130426	51.415	ug/l	99
68) m/p-Xylenes	11.892	106	888573	105.964	ug/l	99
69) o-Xylene	12.222	106	439823	53.799	ug/l	98
70) Styrene	12.233	104	731675	55.909	ug/l	98
71) Bromoform	12.398	173	211513	54.820	ug/l #	99
73) Isopropylbenzene	12.522	105	1138741	51.608	ug/l	100
74) N-amyl acetate	12.328	43	434815	52.156	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.769	83	383017	44.984	ug/l	99
76) 1,2,3-Trichloropropane	12.822	75	275002m	49.789	ug/l	
77) Bromobenzene	12.798	156	287978	50.117	ug/l	96
78) n-propylbenzene	12.863	91	1294922	52.157	ug/l	100
79) 2-Chlorotoluene	12.945	91	772917	49.880	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	954840	52.584	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.569	75	121873	52.397	ug/l	98
82) 4-Chlorotoluene	13.045	91	744001	50.660	ug/l	97
83) tert-Butylbenzene	13.263	119	843955	52.473	ug/l	99
84) 1,2,4-Trimethylbenzene	13.310	105	948936	53.147	ug/l	100
85) sec-Butylbenzene	13.439	105	1180040	53.085	ug/l	99
86) p-Isopropyltoluene	13.557	119	1009422	57.602	ug/l	99
87) 1,3-Dichlorobenzene	13.551	146	522255	49.793	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	514209	48.999	ug/l	97
89) n-Butylbenzene	13.880	91	793203	55.630	ug/l	99
90) Hexachloroethane	14.151	117	176914	50.883	ug/l	99
91) 1,2-Dichlorobenzene	13.927	146	522343	49.146	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	84591	49.447	ug/l	91
93) 1,2,4-Trichlorobenzene	15.198	180	313754	59.445	ug/l	98
94) Hexachlorobutadiene	15.304	225	147963	51.566	ug/l	98
95) Naphthalene	15.433	128	1034749	60.414	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	312712	56.294	ug/l	99

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

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