

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
 Data File : VN070638.D
 Acq On : 14 Jan 2022 21:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/17/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 17 05:42:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.083	168	942036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1610071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1526536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	608837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	623104	46.004	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.000%		
35) Dibromofluoromethane	8.021	113	467205	47.959	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.920%		
50) Toluene-d8	10.441	98	1905686	47.886	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.780%		
62) 4-Bromofluorobenzene	12.731	95	729993	50.788	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	414583	38.807	ug/l	99
3) Chloromethane	2.303	50	619995	42.663	ug/l	99
4) Vinyl Chloride	2.446	62	589807	44.577	ug/l	98
5) Bromomethane	2.829	94	294712	43.155	ug/l	98
6) Chloroethane	3.003	64	362390	45.480	ug/l	98
7) Trichlorofluoromethane	3.368	101	703238	44.158	ug/l	97
8) Diethyl Ether	3.821	74	365737	52.096	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.200	101	451498	46.353	ug/l	96
10) Methyl Iodide	4.417	142	620266	47.054	ug/l	97
11) Tert butyl alcohol	5.388	59	706789	313.396	ug/l	97
12) 1,1-Dichloroethene	4.175	96	448472	46.744	ug/l	94
13) Acrolein	4.039	56	486506	265.867	ug/l	100
14) Allyl chloride	4.835	41	1092668	50.232	ug/l #	82
15) Acrylonitrile	5.554	53	2058058	292.437	ug/l	99
16) Acetone	4.288	43	1722210	195.870	ug/l	97
17) Carbon Disulfide	4.524	76	1044975	39.902	ug/l	99
18) Methyl Acetate	4.857	43	1412048	55.518	ug/l	92
19) Methyl tert-butyl Ether	5.618	73	1892855	53.125	ug/l	93
20) Methylene Chloride	5.093	84	583847	47.993	ug/l	88
21) trans-1,2-Dichloroethene	5.594	96	471500	46.415	ug/l	85
22) Diisopropyl ether	6.498	45	2260557	53.355	ug/l #	89
23) Vinyl Acetate	6.434	43	8664688	263.587	ug/l	95
24) 1,1-Dichloroethane	6.385	63	1084134	49.350	ug/l	97
25) 2-Butanone	7.338	43	2929595	264.620	ug/l	93
26) 2,2-Dichloropropane	7.324	77	692106	39.935	ug/l	100
27) cis-1,2-Dichloroethene	7.324	96	608511	50.203	ug/l	89
28) Bromochloromethane	7.657	49	570902	53.138	ug/l #	77
29) Tetrahydrofuran	7.686	42	1933757	292.757	ug/l	88
30) Chloroform	7.818	83	1194804	56.376	ug/l	98
31) Cyclohexane	8.094	56	988447	46.245	ug/l	86
32) 1,1,1-Trichloroethane	8.013	97	833276	46.631	ug/l	97
36) 1,1-Dichloropropene	8.220	75	735731	45.654	ug/l	96
37) Ethyl Acetate	7.415	43	1124045	53.811	ug/l	98
38) Carbon Tetrachloride	8.204	117	654367	42.523	ug/l	98
39) Methylcyclohexane	9.459	83	888907	45.561	ug/l	89
40) Benzene	8.459	78	2372893	48.028	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	600313	57.456	ug/l #	86
42) 1,2-Dichloroethane	8.528	62	831239	44.761	ug/l	100
43) Isopropyl Acetate	8.560	43	1757354	53.360	ug/l	95
44) Trichloroethene	9.215	130	538804	45.897	ug/l	93
45) 1,2-Dichloropropane	9.491	63	677340	50.918	ug/l	100
46) Dibromomethane	9.577	93	393852	47.614	ug/l	94
47) Bromodichloromethane	9.762	83	806740	49.118	ug/l	100
48) Methyl methacrylate	9.561	41	816674	51.987	ug/l #	84
49) 1,4-Dioxane	9.572	88	281652	1224.817	ug/l #	85
51) 4-Methyl-2-Pentanone	10.331	43	5984211	289.170	ug/l	98
52) Toluene	10.505	92	1503061	50.261	ug/l	97
53) t-1,3-Dichloropropene	10.719	75	878910	49.430	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	962735	50.053	ug/l	99
55) 1,1,2-Trichloroethane	10.899	97	606422	51.251	ug/l	97
56) Ethyl methacrylate	10.760	69	1098373	56.180	ug/l	88
57) 1,3-Dichloropropane	11.044	76	1073441	51.292	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1601813	315.514	ug/l	90
59) 2-Hexanone	11.084	43	4303375	285.155	ug/l	97
60) Dibromochloromethane	11.237	129	576225	49.913	ug/l	100
61) 1,2-Dibromoethane	11.344	107	607795	50.590	ug/l	99
64) Tetrachloroethene	10.977	164	470309	42.545	ug/l	95
65) Chlorobenzene	11.771	112	1555716	48.031	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.841	131	549041	47.482	ug/l	99
67) Ethyl Benzene	11.843	91	2950197	49.712	ug/l	96
68) m/p-Xylenes	11.950	106	2155126	99.765	ug/l	93
69) o-Xylene	12.278	106	1097011	51.055	ug/l	93
70) Styrene	12.294	104	1787979	52.576	ug/l	97
71) Bromoform	12.457	173	433521	50.518	ug/l #	99
73) Isopropylbenzene	12.578	105	2816746	49.819	ug/l	98
74) N-amyl acetate	12.385	43	1310280	55.116	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.828	83	971601	52.698	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	759190m	42.551	ug/l	
77) Bromobenzene	12.860	156	632625	48.736	ug/l	75
78) n-propylbenzene	12.919	91	3170904	50.617	ug/l	96
79) 2-Chlorotoluene	13.007	91	1969122	48.990	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	2289800	50.539	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.624	75	270810	54.344	ug/l	93
82) 4-Chlorotoluene	13.104	91	1843821	48.972	ug/l	92
83) tert-Butylbenzene	13.324	119	1985475	49.767	ug/l	95
84) 1,2,4-Trimethylbenzene	13.367	105	2272679	52.092	ug/l	97
85) sec-Butylbenzene	13.501	105	2752377	50.815	ug/l	97
86) p-Isopropyltoluene	13.613	119	2166644	50.922	ug/l	97
87) 1,3-Dichlorobenzene	13.613	146	1032753	47.527	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	990013	46.187	ug/l	97
89) n-Butylbenzene	13.943	91	1783149	50.244	ug/l	97
90) Hexachloroethane	14.211	117	372394	50.380	ug/l	92
91) 1,2-Dichlorobenzene	13.989	146	1000319	46.958	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	168902	51.568	ug/l	83
93) 1,2,4-Trichlorobenzene	15.263	180	502951	50.108	ug/l	98
94) Hexachlorobutadiene	15.370	225	283092	48.529	ug/l	99
95) Naphthalene	15.504	128	1678397	60.126	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	504488	52.504	ug/l	99

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

