

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022222\
 Data File : VN071019.D
 Acq On : 22 Feb 2022 10:45
 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 02/23/2022
 Supervised By : Mahesh Dadoda 02/23/2022

Quant Time: Feb 23 00:57:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	606179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	946198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	869350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	369653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	343580	49.618	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.240%		
35) Dibromofluoromethane	8.016	113	270576	48.077	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.160%		
50) Toluene-d8	10.439	98	1078267	47.708	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.420%		
62) 4-Bromofluorobenzene	12.727	95	373030	46.174	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	304122	48.304	ug/l	98
3) Chloromethane	2.299	50	399672	50.504	ug/l	98
4) Vinyl Chloride	2.446	62	377160	47.609	ug/l	99
5) Bromomethane	2.834	94	200496	44.552	ug/l	99
6) Chloroethane	3.004	64	231694	44.581	ug/l	95
7) Trichlorofluoromethane	3.369	101	504668	50.834	ug/l	95
8) Diethyl Ether	3.822	74	211485	49.003	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.210	101	298497	49.005	ug/l	95
10) Methyl Iodide	4.422	142	412362	48.882	ug/l	98
11) Tert butyl alcohol	5.357	59	348055	275.808	ug/l	99
12) 1,1-Dichloroethene	4.181	96	284020	47.859	ug/l	96
13) Acrolein	4.040	56	325161	288.354	ug/l	100
14) Allyl chloride	4.840	41	582985	51.509	ug/l #	87
15) Acrylonitrile	5.545	53	1059213	284.956	ug/l	99
16) Acetone	4.281	43	964306	252.868	ug/l	96
17) Carbon Disulfide	4.528	76	742025	43.602	ug/l	99
18) Methyl Acetate	4.851	43	482459	57.874	ug/l	97
19) Methyl tert-butyl Ether	5.610	73	1093946	52.550	ug/l	94
20) Methylene Chloride	5.092	84	343647	49.584	ug/l	93
21) trans-1,2-Dichloroethene	5.592	96	307623	48.295	ug/l	91
22) Diisopropyl ether	6.492	45	1207444	55.624	ug/l	93
23) Vinyl Acetate	6.428	43	5157411	280.668	ug/l	99
24) 1,1-Dichloroethane	6.386	63	638062	52.435	ug/l	99
25) 2-Butanone	7.328	43	1466938	289.165	ug/l	97
26) 2,2-Dichloropropane	7.322	77	517028	51.123	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	364546	49.796	ug/l	91
28) Bromochloromethane	7.651	49	266988	54.209	ug/l	86
29) Tetrahydrofuran	7.681	42	968973	294.844	ug/l	94
30) Chloroform	7.816	83	610667	51.024	ug/l	99
31) Cyclohexane	8.092	56	599492	50.059	ug/l	91
32) 1,1,1-Trichloroethane	8.010	97	528109	51.096	ug/l	98
36) 1,1-Dichloropropene	8.216	75	461087	50.006	ug/l	97
37) Ethyl Acetate	7.404	43	563987	57.033	ug/l	99
38) Carbon Tetrachloride	8.204	117	458210	50.436	ug/l	100
39) Methylcyclohexane	9.457	83	577009	48.633	ug/l	96
40) Benzene	8.457	78	1401483	51.385	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	318495	61.153	ug/l #	84
42) 1,2-Dichloroethane	8.522	62	488630	52.603	ug/l	98
43) Isopropyl Acetate	8.557	43	875125	56.145	ug/l	98
44) Trichloroethene	9.210	130	343477	47.824	ug/l	95
45) 1,2-Dichloropropane	9.486	63	375553	53.754	ug/l	99
46) Dibromomethane	9.575	93	233253	50.732	ug/l	99
47) Bromodichloromethane	9.757	83	481762	51.846	ug/l	97
48) Methyl methacrylate	9.557	41	420641	57.015	ug/l #	85
49) 1,4-Dioxane	9.563	88	155907	1189.786	ug/l	91
51) 4-Methyl-2-Pentanone	10.327	43	2818217	297.174	ug/l	98
52) Toluene	10.498	92	885624	51.675	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	529425	52.397	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	577359	52.032	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	344279	51.320	ug/l	99
56) Ethyl methacrylate	10.757	69	569004	56.295	ug/l	92
57) 1,3-Dichloropropane	11.039	76	612830	52.813	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	531923	238.293	ug/l	96
59) 2-Hexanone	11.080	43	1977441	303.185	ug/l	98
60) Dibromochloromethane	11.233	129	371056	52.338	ug/l	100
61) 1,2-Dibromoethane	11.339	107	350091	51.307	ug/l	100
64) Tetrachloroethene	10.974	164	317978	46.965	ug/l	96
65) Chlorobenzene	11.769	112	922798	49.260	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.833	131	351367	51.455	ug/l	99
67) Ethyl Benzene	11.839	91	1690674	51.565	ug/l	99
68) m/p-Xylenes	11.951	106	1302445	102.840	ug/l	100
69) o-Xylene	12.274	106	639960	51.728	ug/l	99
70) Styrene	12.292	104	1031279	52.424	ug/l	98
71) Bromoform	12.451	173	278998	51.301	ug/l #	100
73) Isopropylbenzene	12.574	105	1656199	55.663	ug/l	100
74) N-amyl acetate	12.386	43	578299	60.803	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.821	83	534743	56.557	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	405487m	46.589	ug/l	
77) Bromobenzene	12.857	156	384491	52.787	ug/l	85
78) n-propylbenzene	12.915	91	1869583	55.925	ug/l	98
79) 2-Chlorotoluene	13.004	91	1127041	55.515	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	1344462	55.775	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	157542	58.655	ug/l	90
82) 4-Chlorotoluene	13.098	91	1067337	54.161	ug/l	96
83) tert-Butylbenzene	13.321	119	1207109	52.803	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1300599	54.811	ug/l	100
85) sec-Butylbenzene	13.498	105	1641448	54.492	ug/l	99
86) p-Isopropyltoluene	13.610	119	1347741	54.501	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	656744	50.934	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	633625	50.156	ug/l	98
89) n-Butylbenzene	13.939	91	991037	49.121	ug/l	96
90) Hexachloroethane	14.204	117	245314	55.549	ug/l	93
91) 1,2-Dichlorobenzene	13.986	146	626241	51.722	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	86220	56.283	ug/l	93
93) 1,2,4-Trichlorobenzene	15.257	180	278351	41.264	ug/l	99
94) Hexachlorobutadiene	15.362	225	183959	41.664	ug/l	99
95) Naphthalene	15.504	128	646410	40.200	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	266063	42.790	ug/l	99

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

