

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042922\
 Data File : VN072284.D
 Acq On : 29 Apr 2022 20:58
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 30 03:19:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2022
 Supervised By : Mahesh Dadoda 05/02/2022

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	280274	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	471244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	447166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	179080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	202117	46.973	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.940%		
35) Dibromofluoromethane	8.016	113	142172	47.136	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.280%		
50) Toluene-d8	10.439	98	566998	47.840	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.680%		
62) 4-Bromofluorobenzene	12.727	95	209542	53.266	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	106.540%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	133817	42.573	ug/l	100
3) Chloromethane	2.298	50	130364	36.768	ug/l	96
4) Vinyl Chloride	2.446	62	121639	38.553	ug/l	98
5) Bromomethane	2.828	94	73733	48.764	ug/l	96
6) Chloroethane	3.004	64	76175	42.464	ug/l	93
7) Trichlorofluoromethane	3.369	101	231294	41.961	ug/l	100
8) Diethyl Ether	3.822	74	86559	43.367	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.210	101	116164	40.120	ug/l	96
10) Methyl Iodide	4.422	142	149070	42.415	ug/l	# 85
11) Tert butyl alcohol	5.363	59	161482	228.370	ug/l	99
12) 1,1-Dichloroethene	4.187	96	108430	40.506	ug/l	96
13) Acrolein	4.040	56	134790	189.418	ug/l	97
14) Allyl chloride	4.845	41	215973	38.859	ug/l	97
15) Acrylonitrile	5.545	53	419361	196.532	ug/l	99
16) Acetone	4.281	43	356707	192.282	ug/l	96
17) Carbon Disulfide	4.534	76	247278	39.340	ug/l	98
18) Methyl Acetate	4.857	43	201713	38.886	ug/l	94
19) Methyl tert-butyl Ether	5.616	73	487434	46.454	ug/l	99
20) Methylene Chloride	5.098	84	143141	40.254	ug/l	95
21) trans-1,2-Dichloroethene	5.598	96	118526	40.154	ug/l	91
22) Diisopropyl ether	6.492	45	464778	40.598	ug/l	97
23) Vinyl Acetate	6.428	43	1998314	207.838	ug/l	95
24) 1,1-Dichloroethane	6.386	63	259884	40.584	ug/l	98
25) 2-Butanone	7.328	43	564928	191.215	ug/l	96
26) 2,2-Dichloropropane	7.322	77	191207	38.225	ug/l	97
27) cis-1,2-Dichloroethene	7.322	96	151765	42.175	ug/l	94
28) Bromochloromethane	7.651	49	118857	41.451	ug/l	86
29) Tetrahydrofuran	7.680	42	371630	191.672	ug/l	93
30) Chloroform	7.816	83	276089	42.940	ug/l	96
31) Cyclohexane	8.092	56	218442	37.995	ug/l	90
32) 1,1,1-Trichloroethane	8.010	97	249706	45.637	ug/l	99
36) 1,1-Dichloropropene	8.222	75	186698	42.525	ug/l	97
37) Ethyl Acetate	7.404	43	225469	38.671	ug/l	99
38) Carbon Tetrachloride	8.204	117	211258	44.928	ug/l	97
39) Methylcyclohexane	9.457	83	216933	44.179	ug/l	95
40) Benzene	8.457	78	568016	41.711	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	109162	37.010	ug/l	95
42) 1,2-Dichloroethane	8.527	62	232898	44.672	ug/l	97
43) Isopropyl Acetate	8.557	43	361211	39.627	ug/l	97
44) Trichloroethene	9.210	130	137361	43.361	ug/l	86
45) 1,2-Dichloropropane	9.486	63	149987	40.760	ug/l	98
46) Dibromomethane	9.569	93	100791	43.724	ug/l	92
47) Bromodichloromethane	9.757	83	216996	44.864	ug/l	99
48) Methyl methacrylate	9.557	41	176125	45.731	ug/l	94
49) 1,4-Dioxane	9.563	88	62729	927.218	ug/l #	94
51) 4-Methyl-2-Pentanone	10.327	43	1166869	212.112	ug/l	97
52) Toluene	10.498	92	372520	45.758	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	235870	48.512	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	243423	46.294	ug/l	93
55) 1,1,2-Trichloroethane	10.892	97	148301	43.446	ug/l	97
56) Ethyl methacrylate	10.757	69	256267	43.205	ug/l	93
57) 1,3-Dichloropropane	11.039	76	264028	44.079	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	287705	183.928	ug/l	96
59) 2-Hexanone	11.080	43	837438	216.064	ug/l	96
60) Dibromochloromethane	11.233	129	162153	46.455	ug/l	99
61) 1,2-Dibromoethane	11.339	107	153857	45.832	ug/l	100
64) Tetrachloroethene	10.974	164	113750	42.260	ug/l	94
65) Chlorobenzene	11.768	112	388089	42.953	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	150771	44.286	ug/l	97
67) Ethyl Benzene	11.839	91	750440	47.627	ug/l	98
68) m/p-Xylenes	11.951	106	543070	92.815	ug/l	86
69) o-Xylene	12.274	106	267850	47.221	ug/l	88
70) Styrene	12.286	104	438936	49.127	ug/l	95
71) Bromoform	12.451	173	120008	47.396	ug/l #	98
73) Isopropylbenzene	12.574	105	728196	46.041	ug/l	96
74) N-amyl acetate	12.380	43	251489	42.441	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.821	83	226015	42.633	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	269337m	62.262	ug/l	
77) Bromobenzene	12.857	156	158089	42.267	ug/l	87
78) n-propylbenzene	12.915	91	821426	47.143	ug/l	96
79) 2-Chlorotoluene	13.004	91	510810	44.633	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	634071	48.138	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.621	75	61972	40.013	ug/l	89
82) 4-Chlorotoluene	13.098	91	482711	45.309	ug/l	93
83) tert-Butylbenzene	13.315	119	535111	46.269	ug/l	93
84) 1,2,4-Trimethylbenzene	13.362	105	665673	52.232	ug/l	93
85) sec-Butylbenzene	13.498	105	699698	46.406	ug/l	97
86) p-Isopropyltoluene	13.610	119	569131	48.416	ug/l	95
87) 1,3-Dichlorobenzene	13.610	146	265270	43.820	ug/l	96
88) 1,4-Dichlorobenzene	13.692	146	263745	44.801	ug/l	96
89) n-Butylbenzene	13.939	91	448638	49.828	ug/l	99
90) Hexachloroethane	14.204	117	106252	41.639	ug/l	89
91) 1,2-Dichlorobenzene	13.986	146	253087	42.417	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	46637	42.634	ug/l	81
93) 1,2,4-Trichlorobenzene	15.256	180	123289	44.954	ug/l	97
94) Hexachlorobutadiene	15.362	225	68743	42.995	ug/l	100
95) Naphthalene	15.498	128	700196	73.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	121559	44.529	ug/l	96

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

