

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050522\
 Data File : VN072335.D
 Acq On : 05 May 2022 10:24
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: May 06 01:32:34 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 05/06/2022
 Supervised By : Mahesh Dadoda 05/06/2022

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	222660	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	361523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	328676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	146712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	178351	52.175	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.340%			
35) Dibromofluoromethane	8.016	113	129734	56.066	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 112.140%			
50) Toluene-d8	10.439	98	495935	54.544	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.080%			
62) 4-Bromofluorobenzene	12.727	95	172834	57.269	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 114.540%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	114656	45.929	ug/l	97
3) Chloromethane	2.305	50	114275	40.655	ug/l	99
4) Vinyl Chloride	2.446	62	104688	41.766	ug/l	94
5) Bromomethane	2.852	94	63868	53.381	ug/l	90
6) Chloroethane	3.016	64	66065	46.514	ug/l	100
7) Trichlorofluoromethane	3.381	101	192608	43.984	ug/l	98
8) Diethyl Ether	3.828	74	71222	44.916	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.210	101	112726	49.007	ug/l	95
10) Methyl Iodide	4.422	142	128069	45.868	ug/l #	89
11) Tert butyl alcohol	5.357	59	108841	193.753	ug/l	98
12) 1,1-Dichloroethene	4.181	96	94771	44.564	ug/l	95
13) Acrolein	4.040	56	64658	114.374	ug/l	98
14) Allyl chloride	4.840	41	201078	45.540	ug/l #	93
15) Acrylonitrile	5.551	53	378215	223.113	ug/l	99
16) Acetone	4.281	43	426961	289.705	ug/l	98
17) Carbon Disulfide	4.534	76	209063	41.843	ug/l	99
18) Methyl Acetate	4.851	43	191144	46.391	ug/l	92
19) Methyl tert-butyl Ether	5.610	73	406888	48.812	ug/l	100
20) Methylene Chloride	5.098	84	125427	44.399	ug/l #	87
21) trans-1,2-Dichloroethene	5.598	96	104849	44.712	ug/l	96
22) Diisopropyl ether	6.487	45	440778	48.465	ug/l	90
23) Vinyl Acetate	6.428	43	1881928	246.380	ug/l	94
24) 1,1-Dichloroethane	6.387	63	234597	46.114	ug/l	99
25) 2-Butanone	7.328	43	569495	242.638	ug/l	91
26) 2,2-Dichloropropane	7.322	77	198850	50.039	ug/l	97
27) cis-1,2-Dichloroethene	7.322	96	132369	46.303	ug/l	90
28) Bromochloromethane	7.651	49	109582	48.105	ug/l #	81
29) Tetrahydrofuran	7.675	42	354075	229.870	ug/l	87
30) Chloroform	7.816	83	241677	47.314	ug/l	100
31) Cyclohexane	8.092	56	190708	41.754	ug/l	92
32) 1,1,1-Trichloroethane	8.010	97	209472	48.190	ug/l	99
36) 1,1-Dichloropropene	8.216	75	167388	49.698	ug/l	96
37) Ethyl Acetate	7.404	43	217691	48.669	ug/l	96
38) Carbon Tetrachloride	8.204	117	182802	50.675	ug/l	99
39) Methylcyclohexane	9.457	83	185450	49.230	ug/l	94
40) Benzene	8.457	78	501355	47.989	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	104004	45.963	ug/l	90
42) 1,2-Dichloroethane	8.528	62	200390	50.102	ug/l	97
43) Isopropyl Acetate	8.557	43	334453	47.661	ug/l	95
44) Trichloroethene	9.216	130	120209	49.464	ug/l	90
45) 1,2-Dichloropropane	9.486	63	138564	49.084	ug/l	95
46) Dibromomethane	9.575	93	91233	51.589	ug/l	91
47) Bromodichloromethane	9.757	83	196273	52.895	ug/l	96
48) Methyl methacrylate	9.557	41	148305	50.195	ug/l	93
49) 1,4-Dioxane	9.569	88	45750	881.484	ug/l #	86
51) 4-Methyl-2-Pentanone	10.328	43	1090834	258.471	ug/l	92
52) Toluene	10.498	92	316748	50.716	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	201513	54.024	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	216394	53.643	ug/l #	91
55) 1,1,2-Trichloroethane	10.892	97	131937	50.382	ug/l	98
56) Ethyl methacrylate	10.757	69	206943	45.354	ug/l #	85
57) 1,3-Dichloropropane	11.039	76	233225	50.753	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	259786	213.346	ug/l	95
59) 2-Hexanone	11.080	43	786775	264.600	ug/l	92
60) Dibromochloromethane	11.233	129	147835	55.208	ug/l	98
61) 1,2-Dibromoethane	11.339	107	134582	52.257	ug/l	98
64) Tetrachloroethene	10.975	164	102921	52.021	ug/l	96
65) Chlorobenzene	11.763	112	335044	50.451	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	132797	53.069	ug/l	98
67) Ethyl Benzene	11.839	91	616151	53.201	ug/l	100
68) m/p-Xylenes	11.951	106	469536	109.178	ug/l	96
69) o-Xylene	12.274	106	230522	55.291	ug/l	97
70) Styrene	12.292	104	380278	57.905	ug/l	97
71) Bromoform	12.451	173	101929	54.768	ug/l #	99
73) Isopropylbenzene	12.574	105	604798	46.675	ug/l	99
74) N-amyl acetate	12.380	43	223363	46.011	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.822	83	202558	46.777	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	178723m	52.008	ug/l	
77) Bromobenzene	12.857	156	136447	44.529	ug/l	88
78) n-propylbenzene	12.916	91	702505	49.213	ug/l	97
79) 2-Chlorotoluene	13.004	91	423548	45.173	ug/l	97
80) 1,3,5-Trimethylbenzene	13.057	105	509879	47.249	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.621	75	59064	46.549	ug/l	92
82) 4-Chlorotoluene	13.098	91	413389	47.363	ug/l	96
83) tert-Butylbenzene	13.321	119	451809	47.686	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	496267	47.531	ug/l	98
85) sec-Butylbenzene	13.498	105	625044	50.600	ug/l	98
86) p-Isopropyltoluene	13.610	119	508332	52.785	ug/l	97
87) 1,3-Dichlorobenzene	13.610	146	249436	50.295	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	248977	51.623	ug/l	98
89) n-Butylbenzene	13.939	91	391359	53.056	ug/l	97
90) Hexachloroethane	14.204	117	92137	44.073	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	250234	51.192	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	40429	45.113	ug/l	81
93) 1,2,4-Trichlorobenzene	15.257	180	103753	46.111	ug/l	98
94) Hexachlorobutadiene	15.363	225	63831	48.731	ug/l	97
95) Naphthalene	15.498	128	299366	40.308	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	105925	47.192	ug/l	97

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

