

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022222\
 Data File : VN071029.D
 Acq On : 22 Feb 2022 17:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2022
 Supervised By : Mahesh Dadoda 02/23/2022

Quant Time: Feb 23 01:00:20 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	619710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	973121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	899597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	386127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	363325	51.324	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.640%			
35) Dibromofluoromethane	8.016	113	289371	49.994	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.980%			
50) Toluene-d8	10.439	98	1155588	49.714	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.420%			
62) 4-Bromofluorobenzene	12.727	95	403401	48.552	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	304176	47.258	ug/l	100
3) Chloromethane	2.299	50	396711	49.035	ug/l	99
4) Vinyl Chloride	2.440	62	380295	46.957	ug/l	99
5) Bromomethane	2.840	94	202348	43.982	ug/l	96
6) Chloroethane	3.010	64	229116	43.122	ug/l	99
7) Trichlorofluoromethane	3.369	101	511935	50.440	ug/l	98
8) Diethyl Ether	3.822	74	214183	48.544	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.216	101	300739	48.296	ug/l	95
10) Methyl Iodide	4.422	142	417998	48.468	ug/l	98
11) Tert butyl alcohol	5.363	59	364483	282.520	ug/l	99
12) 1,1-Dichloroethene	4.181	96	285268	47.020	ug/l	95
13) Acrolein	4.040	56	303929	263.640	ug/l	99
14) Allyl chloride	4.840	41	593785	51.318	ug/l #	86
15) Acrylonitrile	5.551	53	1091908	287.338	ug/l	98
16) Acetone	4.281	43	972320	249.403	ug/l	96
17) Carbon Disulfide	4.528	76	726324	41.747	ug/l	100
18) Methyl Acetate	4.851	43	489754	57.462	ug/l	98
19) Methyl tert-butyl Ether	5.610	73	1111338	52.219	ug/l	98
20) Methylene Chloride	5.092	84	344271	48.589	ug/l	92
21) trans-1,2-Dichloroethene	5.592	96	306798	47.114	ug/l	93
22) Diisopropyl ether	6.487	45	1226412	55.264	ug/l	95
23) Vinyl Acetate	6.428	43	5243674	279.132	ug/l	99
24) 1,1-Dichloroethane	6.387	63	638436	51.320	ug/l	99
25) 2-Butanone	7.328	43	1499637	289.156	ug/l	97
26) 2,2-Dichloropropane	7.322	77	522178	50.505	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	378971	50.636	ug/l	92
28) Bromochloromethane	7.651	49	263013	52.236	ug/l	86
29) Tetrahydrofuran	7.681	42	996490	296.597	ug/l	93
30) Chloroform	7.816	83	613589	50.149	ug/l	100
31) Cyclohexane	8.092	56	602309	49.196	ug/l	95
32) 1,1,1-Trichloroethane	8.010	97	526877	49.864	ug/l	97
36) 1,1-Dichloropropene	8.222	75	464719	49.006	ug/l	97
37) Ethyl Acetate	7.404	43	593416	58.349	ug/l	99
38) Carbon Tetrachloride	8.204	117	458806	49.104	ug/l	99
39) Methylcyclohexane	9.457	83	590642	48.405	ug/l	95
40) Benzene	8.457	78	1412414	50.353	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	282252	52.695	ug/l	94
42) 1,2-Dichloroethane	8.528	62	492473	51.550	ug/l	98
43) Isopropyl Acetate	8.557	43	923331	57.599	ug/l	98
44) Trichloroethene	9.210	130	349915	47.373	ug/l	99
45) 1,2-Dichloropropane	9.486	63	377427	52.528	ug/l	99
46) Dibromomethane	9.575	93	240358	50.831	ug/l	98
47) Bromodichloromethane	9.757	83	481167	50.349	ug/l	98
48) Methyl methacrylate	9.557	41	434828	57.307	ug/l #	84
49) 1,4-Dioxane	9.563	88	159388	1182.699	ug/l	90
51) 4-Methyl-2-Pentanone	10.327	43	2919561	299.343	ug/l	98
52) Toluene	10.504	92	898903	50.999	ug/l	95
53) t-1,3-Dichloropropene	10.716	75	543463	52.299	ug/l	97
54) cis-1,3-Dichloropropene	10.186	75	593150	51.976	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	344931	49.995	ug/l	96
56) Ethyl methacrylate	10.757	69	587788	56.544	ug/l	93
57) 1,3-Dichloropropane	11.039	76	626734	52.516	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	568250	246.292	ug/l	96
59) 2-Hexanone	11.080	43	2070946	308.736	ug/l	98
60) Dibromochloromethane	11.233	129	366242	50.229	ug/l	98
61) 1,2-Dibromoethane	11.339	107	356576	50.811	ug/l	100
64) Tetrachloroethene	10.974	164	302990	43.247	ug/l	99
65) Chlorobenzene	11.769	112	939247	48.452	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	348131	49.267	ug/l	99
67) Ethyl Benzene	11.839	91	1721788	50.748	ug/l	98
68) m/p-Xylenes	11.951	106	1306043	99.657	ug/l	99
69) o-Xylene	12.274	106	646656	50.512	ug/l	99
70) Styrene	12.292	104	1037855	50.985	ug/l	98
71) Bromoform	12.451	173	282988	50.285	ug/l #	99
73) Isopropylbenzene	12.574	105	1678623	54.010	ug/l	100
74) N-amyl acetate	12.380	43	632230	63.638	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.821	83	546062	55.290	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	417555m	45.928	ug/l	
77) Bromobenzene	12.857	156	390683	51.349	ug/l	85
78) n-propylbenzene	12.916	91	1881961	53.894	ug/l	98
79) 2-Chlorotoluene	13.004	91	1135704	53.555	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	1350723	53.644	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	160572	57.233	ug/l	91
82) 4-Chlorotoluene	13.098	91	1088185	52.863	ug/l	95
83) tert-Butylbenzene	13.321	119	1231691	51.579	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1312306	52.945	ug/l	99
85) sec-Butylbenzene	13.498	105	1678041	53.330	ug/l	99
86) p-Isopropyltoluene	13.610	119	1357915	52.570	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	672963	49.966	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	637598	48.318	ug/l	98
89) n-Butylbenzene	13.939	91	1015923	48.207	ug/l	96
90) Hexachloroethane	14.204	117	250843	54.377	ug/l	92
91) 1,2-Dichlorobenzene	13.986	146	634505	50.169	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	90738	56.705	ug/l	92
93) 1,2,4-Trichlorobenzene	15.262	180	298634	42.328	ug/l	99
94) Hexachlorobutadiene	15.368	225	187400	40.633	ug/l	99
95) Naphthalene	15.504	128	714181	42.232	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	281294	43.279	ug/l	98

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

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