

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN12222\
 Data File : VN075951.D
 Acq On : 22 Dec 2022 17:48
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/27/2022
 Supervised By : Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 05:24:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	286795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	466970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	426139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	165741	53.121	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.240%			
35) Dibromofluoromethane	8.177	113	151213	52.289	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.580%			
50) Toluene-d8	10.571	98	579551	53.601	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.200%			
62) 4-Bromofluorobenzene	12.853	95	199860	55.808	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	90093	44.243	ug/l	96
3) Chloromethane	2.377	50	109447	43.223	ug/l	94
4) Vinyl Chloride	2.524	62	138051	45.705	ug/l	94
5) Bromomethane	2.942	94	113803	44.333	ug/l	100
6) Chloroethane	3.118	64	104862	46.881	ug/l	96
7) Trichlorofluoromethane	3.506	101	215780	47.080	ug/l	94
8) Diethyl Ether	3.971	74	83056	49.615	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.389	101	125243	47.855	ug/l	100
10) Methyl Iodide	4.600	142	193374	45.528	ug/l	99
11) Tert butyl alcohol	5.541	59	107457	243.399	ug/l	99
12) 1,1-Dichloroethene	4.353	96	116735	45.926	ug/l	98
13) Acrolein	4.195	56	157038	290.141	ug/l	99
14) Allyl chloride	5.042	41	139364	46.902	ug/l	91
15) Acrylonitrile	5.730	53	309311	256.735	ug/l	99
16) Acetone	4.442	43	248694	231.226	ug/l	93
17) Carbon Disulfide	4.724	76	251731	40.903	ug/l	99
18) Methyl Acetate	5.042	43	159444	50.152	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	429442	51.305	ug/l	99
20) Methylene Chloride	5.283	84	139956	48.626	ug/l	96
21) trans-1,2-Dichloroethene	5.800	96	127297	45.729	ug/l	97
22) Diisopropyl ether	6.688	45	377505	52.299	ug/l	98
23) Vinyl Acetate	6.618	43	1271850	261.782	ug/l	98
24) 1,1-Dichloroethane	6.577	63	233976	48.603	ug/l	98
25) 2-Butanone	7.494	43	389846	258.869	ug/l	96
26) 2,2-Dichloropropane	7.500	77	199495	48.935	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	162259	48.737	ug/l	98
28) Bromochloromethane	7.824	49	99573	47.192	ug/l	97
29) Tetrahydrofuran	7.847	42	255811	271.059	ug/l	99
30) Chloroform	7.971	83	261352	48.219	ug/l	94
31) Cyclohexane	8.265	56	195475	43.745	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	236519	49.221	ug/l	96
36) 1,1-Dichloropropene	8.377	75	184242	47.960	ug/l	99
37) Ethyl Acetate	7.571	43	158314	51.305	ug/l	97
38) Carbon Tetrachloride	8.371	117	209633	48.757	ug/l	97
39) Methylcyclohexane	9.606	83	230755	49.790	ug/l	99
40) Benzene	8.612	78	572193	48.276	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	85116	53.067	ug/l	98
42) 1,2-Dichloroethane	8.677	62	193456	49.095	ug/l	99
43) Isopropyl Acetate	8.694	43	272467	53.529	ug/l	99
44) Trichloroethene	9.359	130	151980	45.515	ug/l	98
45) 1,2-Dichloropropane	9.629	63	140471	48.702	ug/l	98
46) Dibromomethane	9.712	93	103661	48.456	ug/l	99
47) Bromodichloromethane	9.894	83	211734	50.471	ug/l	99
48) Methyl methacrylate	9.688	41	125604	54.788	ug/l	100
49) 1,4-Dioxane	9.700	88	58032	1029.649	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	854316	277.529	ug/l	100
52) Toluene	10.635	92	383811	49.721	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	215981	52.593	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	236680	52.492	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	156018	51.494	ug/l	98
56) Ethyl methacrylate	10.876	69	224871	55.876	ug/l	98
57) 1,3-Dichloropropane	11.165	76	255063	51.322	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	353167	275.628	ug/l	99
59) 2-Hexanone	11.200	43	628274	279.867	ug/l	100
60) Dibromochloromethane	11.365	129	173102	51.373	ug/l	98
61) 1,2-Dibromoethane	11.471	107	157548	51.383	ug/l	100
64) Tetrachloroethene	11.106	164	137895	45.986	ug/l	98
65) Chlorobenzene	11.894	112	424075	48.485	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	163106	50.347	ug/l	100
67) Ethyl Benzene	11.965	91	752141	50.952	ug/l	99
68) m/p-Xylenes	12.076	106	598407	102.420	ug/l	99
69) o-Xylene	12.400	106	298128	51.562	ug/l	98
70) Styrene	12.412	104	489065	53.198	ug/l	99
71) Bromoform	12.582	173	125370	53.183	ug/l #	100
73) Isopropylbenzene	12.700	105	771169	50.149	ug/l	100
74) N-amyl acetate	12.500	43	247319	54.823	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	230469	48.481	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	199827m	46.586	ug/l	
77) Bromobenzene	12.982	156	185765	47.734	ug/l	98
78) n-propylbenzene	13.041	91	885995	52.239	ug/l	99
79) 2-Chlorotoluene	13.129	91	520095	49.125	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	666253	51.767	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	63687	53.443	ug/l	98
82) 4-Chlorotoluene	13.129	91	520095	49.125	ug/l	100
83) tert-Butylbenzene	13.441	119	598754	52.766	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	665779	52.145	ug/l	99
85) sec-Butylbenzene	13.617	105	836847	53.432	ug/l	100
86) p-Isopropyltoluene	13.735	119	705587	54.142	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	351713	48.926	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	348390	47.440	ug/l	99
89) n-Butylbenzene	14.059	91	572903	54.264	ug/l	100
90) Hexachloroethane	14.341	117	124844	53.554	ug/l	98
91) 1,2-Dichlorobenzene	14.112	146	351531	49.645	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	40484	47.994	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	174769	49.855	ug/l	99
94) Hexachlorobutadiene	15.506	225	93293	48.778	ug/l	99
95) Naphthalene	15.647	128	527987	45.783	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	170165	51.935	ug/l	99

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

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