

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075732.D
 Acq On : 13 Dec 2022 01:16
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2022
 Supervised By : Mahesh Dadoda 12/13/2022

Quant Time: Dec 13 01:43:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	205971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	339751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	157309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	122605	56.102	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.200%			
35) Dibromofluoromethane	8.171	113	110696	53.402	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.800%			
50) Toluene-d8	10.571	98	424837	54.574	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.140%			
62) 4-Bromofluorobenzene	12.853	95	148007	55.608	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.220%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	72662	47.965	ug/l	100
3) Chloromethane	2.377	50	87996	48.754	ug/l	92
4) Vinyl Chloride	2.530	62	109384	49.338	ug/l	96
5) Bromomethane	2.948	94	93759	49.654	ug/l	99
6) Chloroethane	3.124	64	82244	49.718	ug/l	98
7) Trichlorofluoromethane	3.506	101	168220	52.296	ug/l	100
8) Diethyl Ether	3.971	74	65664	55.837	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.383	101	95701	50.695	ug/l	99
10) Methyl Iodide	4.600	142	163447	52.982	ug/l	99
11) Tert butyl alcohol	5.530	59	82232	254.347	ug/l	100
12) 1,1-Dichloroethene	4.353	96	94298	53.442	ug/l	94
13) Acrolein	4.189	56	118505	318.259	ug/l	100
14) Allyl chloride	5.036	41	108854	49.539	ug/l	99
15) Acrylonitrile	5.730	53	229143	274.389	ug/l	99
16) Acetone	4.436	43	173238	234.074	ug/l	98
17) Carbon Disulfide	4.724	76	234959	50.323	ug/l	100
18) Methyl Acetate	5.042	43	117529	49.420	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	330994	55.765	ug/l	97
20) Methylene Chloride	5.289	84	110553	50.107	ug/l	97
21) trans-1,2-Dichloroethene	5.794	96	106208	53.862	ug/l	93
22) Diisopropyl ether	6.677	45	286982	57.401	ug/l	98
23) Vinyl Acetate	6.612	43	1103731m	289.516	ug/l	
24) 1,1-Dichloroethane	6.577	63	184377	56.025	ug/l	98
25) 2-Butanone	7.488	43	283319	261.867	ug/l	98
26) 2,2-Dichloropropane	7.500	77	139062	49.545	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	131433	54.904	ug/l	100
28) Bromochloromethane	7.818	49	75010	57.006	ug/l	97
29) Tetrahydrofuran	7.841	42	185815	278.641	ug/l	99
30) Chloroform	7.971	83	209073	57.356	ug/l	99
31) Cyclohexane	8.259	56	156413	48.340	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	185153	55.056	ug/l	99
36) 1,1-Dichloropropene	8.377	75	144931	52.655	ug/l	99
37) Ethyl Acetate	7.565	43	116907	52.901	ug/l	99
38) Carbon Tetrachloride	8.371	117	165386	52.070	ug/l	98
39) Methylcyclohexane	9.606	83	185307	53.093	ug/l	99
40) Benzene	8.612	78	458360	54.262	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	59162	52.210	ug/l	97
42) 1,2-Dichloroethane	8.677	62	151392	53.576	ug/l	98
43) Isopropyl Acetate	8.694	43	203941	55.278	ug/l	99
44) Trichloroethene	9.359	130	123010	51.619	ug/l	95
45) 1,2-Dichloropropane	9.624	63	111068	55.285	ug/l	99
46) Dibromomethane	9.712	93	81709	54.172	ug/l	100
47) Bromodichloromethane	9.888	83	164161	55.509	ug/l	94
48) Methyl methacrylate	9.682	41	91775	54.011	ug/l	98
49) 1,4-Dioxane	9.700	88	42823	1036.765	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	618988	272.093	ug/l	99
52) Toluene	10.629	92	305718	54.756	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	168068	57.542	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	182298	56.099	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	118909	54.166	ug/l	97
56) Ethyl methacrylate	10.876	69	170991	57.484	ug/l	99
57) 1,3-Dichloropropane	11.165	76	196204	55.296	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	245437	279.457	ug/l	99
59) 2-Hexanone	11.200	43	451117	272.946	ug/l	100
60) Dibromochloromethane	11.359	129	135789	56.212	ug/l	100
61) 1,2-Dibromoethane	11.471	107	123009	53.483	ug/l	99
64) Tetrachloroethene	11.106	164	108374	47.413	ug/l	98
65) Chlorobenzene	11.894	112	331522	51.347	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	125355	53.364	ug/l	99
67) Ethyl Benzene	11.965	91	589641	53.984	ug/l	97
68) m/p-Xylenes	12.076	106	476183	107.895	ug/l	100
69) o-Xylene	12.400	106	233343	54.485	ug/l	98
70) Styrene	12.412	104	384565	55.987	ug/l	99
71) Bromoform	12.582	173	98296	55.204	ug/l #	98
73) Isopropylbenzene	12.700	105	606339	53.682	ug/l	100
74) N-amyl acetate	12.494	43	184749	56.294	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	169853	50.060	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	141928m	44.926	ug/l	
77) Bromobenzene	12.982	156	147269	51.846	ug/l	98
78) n-propylbenzene	13.035	91	683493	54.533	ug/l	100
79) 2-Chlorotoluene	13.129	91	408486	52.790	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	514055	54.436	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	45710	47.295	ug/l	96
82) 4-Chlorotoluene	13.129	91	408486	52.790	ug/l	99
83) tert-Butylbenzene	13.441	119	455696	53.213	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	517190	54.492	ug/l	100
85) sec-Butylbenzene	13.617	105	644824	54.772	ug/l	100
86) p-Isopropyltoluene	13.729	119	549596	55.793	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	280882	52.875	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	273651	50.645	ug/l	100
89) n-Butylbenzene	14.059	91	439152	55.623	ug/l	100
90) Hexachloroethane	14.335	117	96122	56.969	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	273483	51.738	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	29592	53.076	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	139172	54.839	ug/l	100
94) Hexachlorobutadiene	15.506	225	72326	50.230	ug/l	99
95) Naphthalene	15.641	128	400985	53.460	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	132452	53.116	ug/l	98

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

