

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075705.D
 Acq On : 12 Dec 2022 11:46
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 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 01:31:39 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	221760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	349750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	327494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	171559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	124340	52.845	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.680%			
35) Dibromofluoromethane	8.171	113	115159	53.967	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.940%			
50) Toluene-d8	10.571	98	444183	55.428	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.860%			
62) 4-Bromofluorobenzene	12.853	95	155007	56.573	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	73831	45.267	ug/l	98
3) Chloromethane	2.371	50	87413	44.983	ug/l	95
4) Vinyl Chloride	2.530	62	108544	45.473	ug/l	100
5) Bromomethane	2.942	94	93237	45.862	ug/l	97
6) Chloroethane	3.118	64	80880	45.413	ug/l	100
7) Trichlorofluoromethane	3.507	101	166034	47.941	ug/l	100
8) Diethyl Ether	3.971	74	64171	50.683	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	98619	48.521	ug/l	99
10) Methyl Iodide	4.601	142	165054	49.694	ug/l	99
11) Tert butyl alcohol	5.536	59	77244	221.909	ug/l	100
12) 1,1-Dichloroethene	4.354	96	94950	49.980	ug/l	99
13) Acrolein	4.189	56	115970	289.276	ug/l	100
14) Allyl chloride	5.042	41	121046	51.165	ug/l	94
15) Acrylonitrile	5.730	53	217383	241.773	ug/l	99
16) Acetone	4.436	43	217324	272.735	ug/l	100
17) Carbon Disulfide	4.724	76	244422	48.623	ug/l	100
18) Methyl Acetate	5.036	43	112388	43.893	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	324753	50.818	ug/l	99
20) Methylene Chloride	5.289	84	111815	47.071	ug/l	97
21) trans-1,2-Dichloroethene	5.795	96	105526	49.705	ug/l	90
22) Diisopropyl ether	6.677	45	285442	53.028	ug/l	98
23) Vinyl Acetate	6.612	43	1092801m	266.240	ug/l	
24) 1,1-Dichloroethane	6.577	63	181192	51.137	ug/l	98
25) 2-Butanone	7.489	43	288577	247.736	ug/l	95
26) 2,2-Dichloropropane	7.500	77	157067	51.976	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	129584	50.277	ug/l	98
28) Bromochloromethane	7.818	49	75032	52.963	ug/l	99
29) Tetrahydrofuran	7.842	42	179411	249.883	ug/l	99
30) Chloroform	7.971	83	202441	51.582	ug/l	97
31) Cyclohexane	8.259	56	155120	44.527	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	182693	50.456	ug/l	100
36) 1,1-Dichloropropene	8.377	75	146045	51.543	ug/l	99
37) Ethyl Acetate	7.565	43	109779	48.256	ug/l	97
38) Carbon Tetrachloride	8.365	117	167768	51.310	ug/l	95
39) Methylcyclohexane	9.606	83	192324	53.528	ug/l	99
40) Benzene	8.612	78	452297	52.014	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	57754	49.511	ug/l	98
42) 1,2-Dichloroethane	8.677	62	150609	51.775	ug/l	98
43) Isopropyl Acetate	8.694	43	195803	51.555	ug/l	98
44) Trichloroethene	9.359	130	124652	50.813	ug/l	97
45) 1,2-Dichloropropane	9.624	63	109775	53.079	ug/l	99
46) Dibromomethane	9.712	93	82266	52.982	ug/l	99
47) Bromodichloromethane	9.888	83	163529	53.715	ug/l	95
48) Methyl methacrylate	9.683	41	90379	51.669	ug/l	99
49) 1,4-Dioxane	9.700	88	43009	1011.500	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	595866	254.441	ug/l	100
52) Toluene	10.630	92	309027	53.766	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	171167	56.928	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	186148	55.646	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	117911	52.176	ug/l	99
56) Ethyl methacrylate	10.877	69	165520	54.054	ug/l	99
57) 1,3-Dichloropropane	11.165	76	191828	52.518	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	258487	285.902	ug/l	98
59) 2-Hexanone	11.200	43	443712	260.791	ug/l	99
60) Dibromochloromethane	11.365	129	136254	54.792	ug/l	100
61) 1,2-Dibromoethane	11.471	107	122016	51.535	ug/l	99
64) Tetrachloroethene	11.106	164	111124	46.584	ug/l	99
65) Chlorobenzene	11.894	112	336082	49.877	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	124871	50.935	ug/l	98
67) Ethyl Benzene	11.965	91	596416	52.321	ug/l	97
68) m/p-Xylenes	12.071	106	482565	104.770	ug/l	99
69) o-Xylene	12.400	106	236388	52.888	ug/l	99
70) Styrene	12.412	104	393434	54.884	ug/l	99
71) Bromoform	12.582	173	99991	53.809	ug/l #	99
73) Isopropylbenzene	12.700	105	611672	49.656	ug/l	99
74) N-amyl acetate	12.494	43	178377	49.838	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	166728	45.057	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	145962m	42.365	ug/l	
77) Bromobenzene	12.982	156	152525	49.236	ug/l	97
78) n-propylbenzene	13.041	91	708717	51.848	ug/l	99
79) 2-Chlorotoluene	13.129	91	413117	48.954	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	525601	51.036	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	50682	48.039	ug/l	99
82) 4-Chlorotoluene	13.129	91	413117	48.954	ug/l	99
83) tert-Butylbenzene	13.441	119	453508	48.559	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	531076	51.308	ug/l	100
85) sec-Butylbenzene	13.618	105	653817	50.923	ug/l	99
86) p-Isopropyltoluene	13.735	119	572868	53.325	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	288345	49.772	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	289209	49.078	ug/l	99
89) n-Butylbenzene	14.059	91	475758	55.254	ug/l	100
90) Hexachloroethane	14.335	117	97217	52.832	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	282544	49.012	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	29773	48.965	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	151504	54.740	ug/l	100
94) Hexachlorobutadiene	15.506	225	79119	50.384	ug/l	99
95) Naphthalene	15.647	128	409468	50.057	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	141557	52.052	ug/l	98

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

