

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075678.D
 Acq On : 09 Dec 2022 19:43
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Dec 12 03:12:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 03:01:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	229558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	361059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	334087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	175340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	119879	49.218	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.440%			
35) Dibromofluoromethane	8.171	113	111028	50.401	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.800%			
50) Toluene-d8	10.571	98	424855	51.356	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.720%			
62) 4-Bromofluorobenzene	12.853	95	151370	53.516	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	79057	46.824	ug/l	98
3) Chloromethane	2.371	50	91809	45.640	ug/l	99
4) Vinyl Chloride	2.524	62	119596	48.401	ug/l	97
5) Bromomethane	2.918	94	110892	52.693	ug/l	99
6) Chloroethane	3.106	64	85366	46.303	ug/l	99
7) Trichlorofluoromethane	3.501	101	174246	48.603	ug/l	99
8) Diethyl Ether	3.971	74	65196	49.743	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.377	101	102209	48.579	ug/l	99
10) Methyl Iodide	4.595	142	173016	50.322	ug/l	99
11) Tert butyl alcohol	5.542	59	89600	248.661	ug/l	100
12) 1,1-Dichloroethene	4.348	96	99387	50.538	ug/l	98
13) Acrolein	4.189	56	103784	250.085	ug/l	99
14) Allyl chloride	5.036	41	125717m	51.334	ug/l	
15) Acrylonitrile	5.730	53	233705	251.097	ug/l	100
16) Acetone	4.436	43	177231	214.864	ug/l	99
17) Carbon Disulfide	4.718	76	244869	47.057	ug/l	99
18) Methyl Acetate	5.036	43	120244	45.366	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	336797	50.912	ug/l	97
20) Methylene Chloride	5.283	84	111477	45.335	ug/l	99
21) trans-1,2-Dichloroethene	5.800	96	108906	49.555	ug/l	91
22) Diisopropyl ether	6.683	45	289378	51.933	ug/l	98
23) Vinyl Acetate	6.612	43	1111122m	261.507	ug/l	
24) 1,1-Dichloroethane	6.577	63	183750	50.097	ug/l	99
25) 2-Butanone	7.489	43	287718	238.608	ug/l	97
26) 2,2-Dichloropropane	7.494	77	154493	49.387	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	128687	48.233	ug/l	97
28) Bromochloromethane	7.818	49	68695	46.843	ug/l	98
29) Tetrahydrofuran	7.841	42	189633	255.148	ug/l	100
30) Chloroform	7.971	83	203929	50.196	ug/l	100
31) Cyclohexane	8.265	56	165028	45.762	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	190059	50.708	ug/l	100
36) 1,1-Dichloropropene	8.377	75	148021	50.604	ug/l	98
37) Ethyl Acetate	7.565	43	120735	51.409	ug/l	99
38) Carbon Tetrachloride	8.365	117	171161	50.708	ug/l	97
39) Methylcyclohexane	9.606	83	195854	52.803	ug/l	97
40) Benzene	8.612	78	461071	51.362	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	62886	52.221	ug/l	95
42) 1,2-Dichloroethane	8.677	62	149790	49.881	ug/l	99
43) Isopropyl Acetate	8.694	43	207083	52.818	ug/l	100
44) Trichloroethene	9.359	130	127382	50.299	ug/l	98
45) 1,2-Dichloropropane	9.624	63	108857	50.986	ug/l	99
46) Dibromomethane	9.712	93	83922	52.356	ug/l	98
47) Bromodichloromethane	9.894	83	164475	52.333	ug/l	94
48) Methyl methacrylate	9.682	41	94800	52.499	ug/l	98
49) 1,4-Dioxane	9.694	88	47681	1086.254	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	625202	258.605	ug/l	100
52) Toluene	10.629	92	311409	52.484	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	172275	55.502	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	186612	54.038	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	118856	50.947	ug/l	92
56) Ethyl methacrylate	10.877	69	170667	53.989	ug/l	98
57) 1,3-Dichloropropane	11.165	76	196967	52.235	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	262411	281.151	ug/l	100
59) 2-Hexanone	11.200	43	460886	262.400	ug/l	100
60) Dibromochloromethane	11.359	129	135370	52.732	ug/l	99
61) 1,2-Dibromoethane	11.471	107	124968	51.128	ug/l	100
64) Tetrachloroethene	11.106	164	110264	45.311	ug/l	98
65) Chlorobenzene	11.894	112	340312	49.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	127395	50.939	ug/l	100
67) Ethyl Benzene	11.965	91	603064	51.860	ug/l	98
68) m/p-Xylenes	12.071	106	486157	103.467	ug/l	100
69) o-Xylene	12.400	106	238513	52.311	ug/l	98
70) Styrene	12.412	104	396076	54.162	ug/l	99
71) Bromoform	12.582	173	102279	53.954	ug/l #	100
73) Isopropylbenzene	12.700	105	627729	49.860	ug/l	100
74) N-amyl acetate	12.494	43	192401	52.597	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	174851	46.234	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	168393m	47.822	ug/l	
77) Bromobenzene	12.982	156	152989	48.321	ug/l	100
78) n-propylbenzene	13.041	91	712090	50.972	ug/l	100
79) 2-Chlorotoluene	13.129	91	415607	48.187	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	537551	51.071	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	49671	46.176	ug/l	94
82) 4-Chlorotoluene	13.129	91	415607	48.187	ug/l	98
83) tert-Butylbenzene	13.441	119	478411	50.121	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	544500	51.470	ug/l	99
85) sec-Butylbenzene	13.618	105	674528	51.403	ug/l	98
86) p-Isopropyltoluene	13.729	119	582825	53.082	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	292853	49.460	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	291973	48.479	ug/l	99
89) n-Butylbenzene	14.059	91	471755	53.608	ug/l	100
90) Hexachloroethane	14.335	117	98407	52.325	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	284715	48.324	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	31131	50.094	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	152978	54.081	ug/l	99
94) Hexachlorobutadiene	15.506	225	80916	50.417	ug/l	99
95) Naphthalene	15.647	128	436876	52.256	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	148113	53.288	ug/l	99

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

