

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112322\
 Data File : VN075411.D
 Acq On : 23 Nov 2022 21:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2022
 Supervised By : Mahesh Dadoda 11/28/2022

Quant Time: Nov 24 06:54:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	181169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	290079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	263627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	44268	45.520	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.040%		
35) Dibromofluoromethane	8.171	113	56836	49.877	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.760%		
50) Toluene-d8	10.571	98	130432	50.820	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.640%		
62) 4-Bromofluorobenzene	12.853	95	99798	52.681	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	63907	46.131	ug/l	98
3) Chloromethane	2.371	50	72213	41.893	ug/l	99
4) Vinyl Chloride	2.524	62	97604	44.928	ug/l	99
5) Bromomethane	2.936	94	85595	44.805	ug/l	97
6) Chloroethane	3.112	64	74860	45.477	ug/l	97
7) Trichlorofluoromethane	3.500	101	140232	45.185	ug/l	99
8) Diethyl Ether	3.977	74	55167	50.716	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.377	101	83046	48.471	ug/l	91
10) Methyl Iodide	4.600	142	139963	50.414	ug/l	93
11) Tert butyl alcohol	5.530	59	98756	241.906	ug/l	97
12) 1,1-Dichloroethene	4.353	96	80307	47.867	ug/l	87
13) Acrolein	4.189	56	77152	216.936	ug/l	97
14) Allyl chloride	5.030	41	92245	42.506	ug/l #	92
15) Acrylonitrile	5.724	53	221350	236.330	ug/l	97
16) Acetone	4.436	43	170512	187.976	ug/l	94
17) Carbon Disulfide	4.718	76	189741	43.517	ug/l	97
18) Methyl Acetate	5.036	43	114344	50.002	ug/l	95
19) Methyl tert-butyl Ether	5.806	73	284520	47.873	ug/l	96
20) Methylene Chloride	5.289	84	89608	48.681	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	88458	46.265	ug/l	95
22) Diisopropyl ether	6.683	45	234129	47.277	ug/l	99
23) Vinyl Acetate	6.612	43	942557m	239.236	ug/l	
24) 1,1-Dichloroethane	6.577	63	147709	46.468	ug/l	97
25) 2-Butanone	7.488	43	283161	223.592	ug/l	97
26) 2,2-Dichloropropane	7.500	77	127879	43.286	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	104674	48.415	ug/l	92
28) Bromochloromethane	7.818	49	58848	45.608	ug/l #	77
29) Tetrahydrofuran	7.841	42	183978	238.833	ug/l	97
30) Chloroform	7.971	83	168519	46.165	ug/l	95
31) Cyclohexane	8.265	56	128121	41.467	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	157562	47.538	ug/l	95
36) 1,1-Dichloropropene	8.377	75	121073	48.721	ug/l	96
37) Ethyl Acetate	7.565	43	108452	48.468	ug/l	97
38) Carbon Tetrachloride	8.371	117	140509	51.471	ug/l	98
39) Methylcyclohexane	9.606	83	157519	50.647	ug/l	96
40) Benzene	8.606	78	372336	48.937	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	59050	51.618	ug/l	97
42) 1,2-Dichloroethane	8.677	62	122624	48.122	ug/l	96
43) Isopropyl Acetate	8.694	43	192970	53.728	ug/l	99
44) Trichloroethene	9.353	130	105633	50.740	ug/l	94
45) 1,2-Dichloropropane	9.624	63	87953	48.509	ug/l	96
46) Dibromomethane	9.712	93	67939	49.539	ug/l #	89
47) Bromodichloromethane	9.894	83	132671	49.955	ug/l	99
48) Methyl methacrylate	9.682	41	82821	49.870	ug/l	95
49) 1,4-Dioxane	9.700	88	46877	994.044	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	585794	256.075	ug/l	97
52) Toluene	10.629	92	252075	51.413	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	139318	52.253	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	151027	52.154	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	100903	50.529	ug/l	94
56) Ethyl methacrylate	10.876	69	148070	54.905	ug/l	94
57) 1,3-Dichloropropane	11.165	76	159942	49.121	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	273243	280.934	ug/l	95
59) 2-Hexanone	11.200	43	434736	253.084	ug/l	96
60) Dibromochloromethane	11.359	129	114344	55.784	ug/l	97
61) 1,2-Dibromoethane	11.471	107	105989	51.136	ug/l	100
64) Tetrachloroethene	11.106	164	93224	46.306	ug/l	92
65) Chlorobenzene	11.894	112	271595	49.886	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	104729	51.541	ug/l	98
67) Ethyl Benzene	11.965	91	491106	52.873	ug/l	97
68) m/p-Xylenes	12.070	106	392213	103.983	ug/l	100
69) o-Xylene	12.400	106	197201	52.620	ug/l	95
70) Styrene	12.412	104	320565	54.223	ug/l	99
71) Bromoform	12.582	173	85434	55.244	ug/l #	99
73) Isopropylbenzene	12.700	105	504914	51.032	ug/l	98
74) N-amyl acetate	12.494	43	166708	54.806	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	151147	50.107	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	126958m	49.583	ug/l	
77) Bromobenzene	12.982	156	126054	51.606	ug/l	85
78) n-propylbenzene	13.035	91	573350	51.925	ug/l	98
79) 2-Chlorotoluene	13.129	91	340767	51.220	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	437457	53.218	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	46112	53.284	ug/l	93
82) 4-Chlorotoluene	13.129	91	340767	51.220	ug/l	96
83) tert-Butylbenzene	13.441	119	390151	52.056	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	439016	53.244	ug/l	99
85) sec-Butylbenzene	13.617	105	551473	54.229	ug/l	99
86) p-Isopropyltoluene	13.729	119	471486	55.106	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	238543	51.543	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	238910	50.818	ug/l	98
89) n-Butylbenzene	14.059	91	391728	54.208	ug/l	99
90) Hexachloroethane	14.335	117	79934	54.155	ug/l	81
91) 1,2-Dichlorobenzene	14.106	146	233683	51.800	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	30617	53.582	ug/l	76
93) 1,2,4-Trichlorobenzene	15.394	180	133783	57.869	ug/l	99
94) Hexachlorobutadiene	15.506	225	69526	57.737	ug/l	95
95) Naphthalene	15.641	128	419083	57.622	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	129902	57.171	ug/l	97

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

