

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120822\
 Data File : VN075659.D
 Acq On : 08 Dec 2022 20:08
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/09/2022
 Supervised By : Mahesh Dadoda 12/09/2022

Quant Time: Dec 09 02:31:36 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	172983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	283181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	261757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	47636	51.302	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.600%			
35) Dibromofluoromethane	8.171	113	62195	55.909	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.820%			
50) Toluene-d8	10.571	98	131058	52.308	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.620%			
62) 4-Bromofluorobenzene	12.853	95	104448	56.479	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.960%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	77484	58.579	ug/l	98
3) Chloromethane	2.371	50	85654	52.042	ug/l	99
4) Vinyl Chloride	2.524	62	111958	53.974	ug/l	97
5) Bromomethane	2.948	94	94695	51.914	ug/l	99
6) Chloroethane	3.118	64	84246	53.601	ug/l	99
7) Trichlorofluoromethane	3.501	101	167057	56.375	ug/l	100
8) Diethyl Ether	3.971	74	62231	59.918	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.383	101	96685	59.102	ug/l	92
10) Methyl Iodide	4.595	142	158748	59.887	ug/l	95
11) Tert butyl alcohol	5.530	59	83699	214.726	ug/l	99
12) 1,1-Dichloroethene	4.348	96	92896	57.991	ug/l	88
13) Acrolein	4.195	56	81069	238.737	ug/l	97
14) Allyl chloride	5.036	41	105937	51.126	ug/l #	91
15) Acrylonitrile	5.730	53	230214	257.425	ug/l	99
16) Acetone	4.442	43	176999	204.361	ug/l	93
17) Carbon Disulfide	4.724	76	226836	54.487	ug/l	98
18) Methyl Acetate	5.042	43	121931	55.998	ug/l	94
19) Methyl tert-butyl Ether	5.806	73	326831	57.594	ug/l	97
20) Methylene Chloride	5.283	84	106987	61.202	ug/l	90
21) trans-1,2-Dichloroethene	5.800	96	101711	55.713	ug/l	90
22) Diisopropyl ether	6.683	45	274856	58.127	ug/l	95
23) Vinyl Acetate	6.612	43	932779	247.958	ug/l	98
24) 1,1-Dichloroethane	6.583	63	175764	57.910	ug/l	98
25) 2-Butanone	7.489	43	288121	238.275	ug/l	96
26) 2,2-Dichloropropane	7.500	77	141445	50.144	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	124075	60.105	ug/l	92
28) Bromochloromethane	7.824	49	69349	56.290	ug/l	83
29) Tetrahydrofuran	7.841	42	189803	258.055	ug/l	98
30) Chloroform	7.971	83	197219	56.584	ug/l	95
31) Cyclohexane	8.265	56	155746	52.793	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	182810	57.765	ug/l	95
36) 1,1-Dichloropropene	8.377	75	140476	57.906	ug/l	97
37) Ethyl Acetate	7.571	43	117988	54.014	ug/l	98
38) Carbon Tetrachloride	8.371	117	161979	60.781	ug/l	98
39) Methylcyclohexane	9.606	83	181659	59.831	ug/l	99
40) Benzene	8.612	78	433474	58.360	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	62515	55.978	ug/l	96
42) 1,2-Dichloroethane	8.677	62	143785	57.801	ug/l	96
43) Isopropyl Acetate	8.694	43	201210	57.386	ug/l	96
44) Trichloroethene	9.359	130	119271	58.686	ug/l	95
45) 1,2-Dichloropropane	9.624	63	103248	58.331	ug/l	98
46) Dibromomethane	9.712	93	79782	59.592	ug/l #	90
47) Bromodichloromethane	9.894	83	157592	60.784	ug/l	99
48) Methyl methacrylate	9.682	41	91414	56.385	ug/l	94
49) 1,4-Dioxane	9.700	88	44878	974.835	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	623891	279.373	ug/l	97
52) Toluene	10.635	92	290340	60.660	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	159301	61.203	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	172015	60.849	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	116538	59.780	ug/l	95
56) Ethyl methacrylate	10.877	69	165558	62.885	ug/l	98
57) 1,3-Dichloropropane	11.165	76	184868	58.159	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	239836	252.593	ug/l	96
59) 2-Hexanone	11.200	43	461636	275.290	ug/l	97
60) Dibromochloromethane	11.365	129	132421	66.177	ug/l	99
61) 1,2-Dibromoethane	11.471	107	119850	59.232	ug/l	100
64) Tetrachloroethene	11.106	164	104526	52.291	ug/l	94
65) Chlorobenzene	11.894	112	318505	58.920	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	122519	60.727	ug/l	99
67) Ethyl Benzene	11.965	91	570728	61.884	ug/l	100
68) m/p-Xylenes	12.076	106	454009	121.226	ug/l	99
69) o-Xylene	12.400	106	227536	61.148	ug/l	96
70) Styrene	12.412	104	370218	63.069	ug/l	99
71) Bromoform	12.582	173	100188	65.247	ug/l #	98
73) Isopropylbenzene	12.700	105	592949	59.306	ug/l	98
74) N-amyl acetate	12.494	43	183670	59.754	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	172817	56.694	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	127661m	49.338	ug/l	
77) Bromobenzene	12.982	156	145122	58.793	ug/l	83
78) n-propylbenzene	13.041	91	667072	59.784	ug/l	99
79) 2-Chlorotoluene	13.129	91	391870	58.288	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	503992	60.673	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	47493	54.308	ug/l	96
82) 4-Chlorotoluene	13.129	91	391870	58.288	ug/l	96
83) tert-Butylbenzene	13.441	119	450988	59.547	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	512466	61.505	ug/l	99
85) sec-Butylbenzene	13.618	105	639611	62.241	ug/l	100
86) p-Isopropyltoluene	13.735	119	543724	62.887	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	274825	58.764	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	268199	56.454	ug/l	98
89) n-Butylbenzene	14.059	91	437081	59.854	ug/l	98
90) Hexachloroethane	14.335	117	94905	63.628	ug/l	83
91) 1,2-Dichlorobenzene	14.106	146	270273	59.287	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	31012	53.708	ug/l	78
93) 1,2,4-Trichlorobenzene	15.394	180	138771	59.401	ug/l	99
94) Hexachlorobutadiene	15.506	225	74179	60.959	ug/l	99
95) Naphthalene	15.647	128	411889	56.043	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	131470	57.259	ug/l	97

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

