

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120122\
 Data File : VN075515.D
 Acq On : 01 Dec 2022 15:02
 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 12/02/2022
 Supervised By : Mahesh Dadoda 12/02/2022

Quant Time: Dec 02 04:32:44 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	154014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	250106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	230511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	42748	51.708	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.420%			
35) Dibromofluoromethane	8.171	113	55962	56.959	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.920%			
50) Toluene-d8	10.571	98	121263	54.799	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.600%			
62) 4-Bromofluorobenzene	12.847	95	95173	58.269	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.540%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	64992	55.186	ug/l	99
3) Chloromethane	2.371	50	71129	48.539	ug/l	100
4) Vinyl Chloride	2.524	62	92150	49.897	ug/l	97
5) Bromomethane	2.942	94	90811	55.917	ug/l	96
6) Chloroethane	3.112	64	70528	50.399	ug/l	96
7) Trichlorofluoromethane	3.501	101	134135	50.840	ug/l	97
8) Diethyl Ether	3.971	74	52645	56.931	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	77809	53.422	ug/l	91
10) Methyl Iodide	4.595	142	135669	57.484	ug/l	94
11) Tert butyl alcohol	5.536	59	76634	220.815	ug/l	100
12) 1,1-Dichloroethene	4.353	96	74457	52.205	ug/l	86
13) Acrolein	4.189	56	80422	266.001	ug/l	98
14) Allyl chloride	5.030	41	98354m	53.312	ug/l	
15) Acrylonitrile	5.724	53	207014	259.993	ug/l	98
16) Acetone	4.436	43	253743	329.052	ug/l	92
17) Carbon Disulfide	4.718	76	178980	48.287	ug/l	99
18) Methyl Acetate	5.036	43	109295	56.386	ug/l	95
19) Methyl tert-butyl Ether	5.806	73	276119	54.651	ug/l	98
20) Methylene Chloride	5.289	84	87374	56.030	ug/l	86
21) trans-1,2-Dichloroethene	5.789	96	82169	50.553	ug/l	93
22) Diisopropyl ether	6.677	45	226100	53.705	ug/l	97
23) Vinyl Acetate	6.612	43	840551	250.961	ug/l	97
24) 1,1-Dichloroethane	6.571	63	144029	53.299	ug/l	97
25) 2-Butanone	7.489	43	300496	279.116	ug/l	94
26) 2,2-Dichloropropane	7.494	77	132260	52.663	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	104063	56.619	ug/l	91
28) Bromochloromethane	7.818	49	56252	51.283	ug/l #	79
29) Tetrahydrofuran	7.841	42	172327	263.151	ug/l	96
30) Chloroform	7.971	83	161629	52.084	ug/l	97
31) Cyclohexane	8.259	56	124146	47.264	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	146883	52.129	ug/l	96
36) 1,1-Dichloropropene	8.377	75	112358	52.440	ug/l	95
37) Ethyl Acetate	7.565	43	104670	54.254	ug/l	97
38) Carbon Tetrachloride	8.365	117	131376	55.817	ug/l	98
39) Methylcyclohexane	9.600	83	148789	55.486	ug/l	97
40) Benzene	8.606	78	359748	54.840	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	54310	55.062	ug/l	92
42) 1,2-Dichloroethane	8.677	62	122210	55.625	ug/l	96
43) Isopropyl Acetate	8.694	43	180859	58.404	ug/l	97
44) Trichloroethene	9.353	130	98628	54.947	ug/l	96
45) 1,2-Dichloropropane	9.624	63	85391	54.623	ug/l	99
46) Dibromomethane	9.712	93	65999	55.816	ug/l #	88
47) Bromodichloromethane	9.888	83	130676	57.068	ug/l	94
48) Methyl methacrylate	9.682	41	81836	57.152	ug/l	94
49) 1,4-Dioxane	9.700	88	41260	1014.769	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	561055	284.460	ug/l	98
52) Toluene	10.629	92	241996	57.246	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	142204	61.860	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	151861	60.824	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	98996	57.497	ug/l	97
56) Ethyl methacrylate	10.877	69	144769	62.261	ug/l	97
57) 1,3-Dichloropropane	11.165	76	160295	57.097	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	238723	284.670	ug/l	95
59) 2-Hexanone	11.194	43	439606	296.821	ug/l	97
60) Dibromochloromethane	11.359	129	111623	63.160	ug/l	99
61) 1,2-Dibromoethane	11.471	107	104173	58.293	ug/l	99
64) Tetrachloroethene	11.106	164	89555	50.875	ug/l	93
65) Chlorobenzene	11.894	112	268511	56.405	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	102054	57.440	ug/l	99
67) Ethyl Benzene	11.965	91	469016	57.749	ug/l	98
68) m/p-Xylenes	12.071	106	378871	114.876	ug/l	100
69) o-Xylene	12.400	106	189111	57.711	ug/l	95
70) Styrene	12.412	104	309415	59.856	ug/l	99
71) Bromoform	12.582	173	85019	62.873	ug/l #	99
73) Isopropylbenzene	12.700	105	479802	54.740	ug/l	98
74) N-amyl acetate	12.494	43	160994	59.745	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	148369	55.522	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	127210m	56.081	ug/l	
77) Bromobenzene	12.982	156	119929	55.423	ug/l	85
78) n-propylbenzene	13.035	91	547472	55.968	ug/l	100
79) 2-Chlorotoluene	13.129	91	328350	55.711	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	422540	58.025	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	47311	61.712	ug/l	99
82) 4-Chlorotoluene	13.129	91	328350	55.711	ug/l	97
83) tert-Butylbenzene	13.441	119	364560	54.907	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	426841	58.436	ug/l	100
85) sec-Butylbenzene	13.618	105	512828	56.925	ug/l	100
86) p-Isopropyltoluene	13.729	119	445130	58.727	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	232952	56.818	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	229297	55.056	ug/l	98
89) n-Butylbenzene	14.059	91	356903	55.751	ug/l	99
90) Hexachloroethane	14.335	117	78436	59.985	ug/l	85
91) 1,2-Dichlorobenzene	14.106	146	226144	56.587	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29347	57.975	ug/l	85
93) 1,2,4-Trichlorobenzene	15.394	180	121202	59.180	ug/l	98
94) Hexachlorobutadiene	15.506	225	59123	55.422	ug/l	99
95) Naphthalene	15.641	128	379757	58.941	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	117707	58.477	ug/l	98

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

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