

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
 Data File : VN075598.D
 Acq On : 07 Dec 2022 10:00
 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 12/08/2022
 Supervised By : Mahesh Dadoda 12/08/2022

Quant Time: Dec 07 10:18:43 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	165475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	265437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	250184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	43397	48.857	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.720%		
35) Dibromofluoromethane	8.177	113	57232	54.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.780%		
50) Toluene-d8	10.571	98	122346	52.095	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.200%		
62) 4-Bromofluorobenzene	12.853	95	100394	57.916	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	115.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	67727	53.526	ug/l	99
3) Chloromethane	2.371	50	79804	50.687	ug/l	99
4) Vinyl Chloride	2.524	62	101010	50.906	ug/l	94
5) Bromomethane	2.924	94	90454	51.839	ug/l	96
6) Chloroethane	3.101	64	76298	50.746	ug/l	95
7) Trichlorofluoromethane	3.495	101	142468	50.259	ug/l	97
8) Diethyl Ether	3.971	74	57887	58.264	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	83656	53.458	ug/l	91
10) Methyl Iodide	4.589	142	143049	56.413	ug/l	95
11) Tert butyl alcohol	5.547	59	84205	225.825	ug/l	99
12) 1,1-Dichloroethene	4.342	96	79684	52.000	ug/l	90
13) Acrolein	4.189	56	86611	266.630	ug/l	97
14) Allyl chloride	5.030	41	109742	55.365	ug/l	96
15) Acrylonitrile	5.730	53	220918	258.239	ug/l	98
16) Acetone	4.442	43	197250	238.076	ug/l	93
17) Carbon Disulfide	4.718	76	202914	50.952	ug/l	98
18) Methyl Acetate	5.030	43	114830	55.109	ug/l	95
19) Methyl tert-butyl Ether	5.806	73	300253	55.311	ug/l	98
20) Methylene Chloride	5.283	84	97973	58.532	ug/l	89
21) trans-1,2-Dichloroethene	5.795	96	90991	52.103	ug/l	98
22) Diisopropyl ether	6.677	45	255573	56.502	ug/l	97
23) Vinyl Acetate	6.612	43	902380	250.761	ug/l	98
24) 1,1-Dichloroethane	6.577	63	159961	55.095	ug/l	97
25) 2-Butanone	7.489	43	290147	250.837	ug/l	100
26) 2,2-Dichloropropane	7.494	77	129719	48.074	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	110176	55.793	ug/l	93
28) Bromochloromethane	7.818	49	62240	52.812	ug/l	84
29) Tetrahydrofuran	7.841	42	181523	257.995	ug/l	98
30) Chloroform	7.971	83	175593	52.665	ug/l	98
31) Cyclohexane	8.265	56	133032	47.140	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	156314	51.634	ug/l	97
36) 1,1-Dichloropropene	8.377	75	124115	54.582	ug/l	98
37) Ethyl Acetate	7.565	43	112720	55.052	ug/l	98
38) Carbon Tetrachloride	8.371	117	139641	55.902	ug/l	99
39) Methylcyclohexane	9.606	83	158853	55.818	ug/l	98
40) Benzene	8.612	78	386490	55.513	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	60502	57.797	ug/l	99
42) 1,2-Dichloroethane	8.677	62	132070	56.641	ug/l	97
43) Isopropyl Acetate	8.694	43	189660	57.708	ug/l	96
44) Trichloroethene	9.353	130	106882	56.106	ug/l	87
45) 1,2-Dichloropropane	9.624	63	94454	56.930	ug/l	99
46) Dibromomethane	9.712	93	72823	58.030	ug/l #	88
47) Bromodichloromethane	9.888	83	144440	59.436	ug/l	97
48) Methyl methacrylate	9.682	41	86827	57.135	ug/l	97
49) 1,4-Dioxane	9.706	88	45246	1048.530	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	593323	283.445	ug/l	98
52) Toluene	10.635	92	264308	58.912	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	150456	61.669	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	161119	60.805	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	108268	59.250	ug/l	97
56) Ethyl methacrylate	10.877	69	154887	62.765	ug/l	96
57) 1,3-Dichloropropane	11.165	76	173480	58.225	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	253434	284.757	ug/l	96
59) 2-Hexanone	11.200	43	445098	283.171	ug/l	99
60) Dibromochloromethane	11.359	129	122973	65.564	ug/l	99
61) 1,2-Dibromoethane	11.471	107	111219	58.641	ug/l	100
64) Tetrachloroethene	11.106	164	95480	49.975	ug/l	90
65) Chlorobenzene	11.894	112	289633	56.057	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	111559	57.853	ug/l	98
67) Ethyl Benzene	11.965	91	508821	57.724	ug/l	98
68) m/p-Xylenes	12.076	106	414736	115.862	ug/l	100
69) o-Xylene	12.400	106	203686	57.271	ug/l	97
70) Styrene	12.412	104	342168	60.987	ug/l	99
71) Bromoform	12.582	173	92794	63.227	ug/l #	99
73) Isopropylbenzene	12.700	105	523377	54.197	ug/l	98
74) N-amyl acetate	12.494	43	173096	58.304	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	159908	54.313	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	120021m	48.025	ug/l	
77) Bromobenzene	12.982	156	132789	55.698	ug/l	84
78) n-propylbenzene	13.041	91	593422	55.063	ug/l	99
79) 2-Chlorotoluene	13.129	91	357620	55.074	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	459301	57.247	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	46939	55.571	ug/l	98
82) 4-Chlorotoluene	13.129	91	357620	55.074	ug/l	96
83) tert-Butylbenzene	13.441	119	394793	53.969	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	467094	58.041	ug/l	99
85) sec-Butylbenzene	13.618	105	558699	56.289	ug/l	99
86) p-Isopropyltoluene	13.735	119	486981	58.314	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	253860	56.199	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	252680	55.067	ug/l	98
89) n-Butylbenzene	14.059	91	396474	56.212	ug/l	99
90) Hexachloroethane	14.335	117	83557	57.999	ug/l	82
91) 1,2-Dichlorobenzene	14.112	146	249550	56.676	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	30073	53.922	ug/l	79
93) 1,2,4-Trichlorobenzene	15.394	180	137037	60.732	ug/l	99
94) Hexachlorobutadiene	15.506	225	67563	57.485	ug/l	99
95) Naphthalene	15.641	128	409528	57.691	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	130502	58.845	ug/l	98

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

