

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011123\
 Data File : VN076216.D
 Acq On : 11 Jan 2023 18:23
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 12 04:49:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2023
 Supervised By : Mahesh Dadoda 01/12/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	378517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	598252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	535609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	265145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	189907	46.117	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.240%		
35) Dibromofluoromethane	8.171	113	176529	47.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.300%		
50) Toluene-d8	10.571	98	639965	46.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.400%		
62) 4-Bromofluorobenzene	12.853	95	227217	49.524	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	163777	60.938	ug/l	99
3) Chloromethane	2.377	50	157149	47.023	ug/l	99
4) Vinyl Chloride	2.530	62	194437	48.774	ug/l	98
5) Bromomethane	2.948	94	155872	46.007	ug/l	99
6) Chloroethane	3.124	64	138727	46.992	ug/l	99
7) Trichlorofluoromethane	3.506	101	284718	47.068	ug/l	99
8) Diethyl Ether	3.971	74	104880	47.470	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	170511	49.364	ug/l	97
10) Methyl Iodide	4.606	142	257577	45.949	ug/l	99
11) Tert butyl alcohol	5.536	59	123102	211.269	ug/l #	87
12) 1,1-Dichloroethene	4.353	96	154205	45.966	ug/l	97
13) Acrolein	4.189	56	166547	233.146	ug/l	98
14) Allyl chloride	5.036	41	182217	46.464	ug/l	92
15) Acrylonitrile	5.730	53	366394	230.422	ug/l	99
16) Acetone	4.442	43	280613	197.681	ug/l	100
17) Carbon Disulfide	4.724	76	334491	41.181	ug/l	99
18) Methyl Acetate	5.036	43	204613	48.764	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	558844	50.586	ug/l	97
20) Methylene Chloride	5.283	84	177692	46.752	ug/l	99
21) trans-1,2-Dichloroethene	5.800	96	166483	45.314	ug/l	97
22) Diisopropyl ether	6.683	45	461506	48.443	ug/l	99
23) Vinyl Acetate	6.612	43	1488277	232.100	ug/l	99
24) 1,1-Dichloroethane	6.577	63	294526	46.356	ug/l	98
25) 2-Butanone	7.488	43	453269	228.049	ug/l	94
26) 2,2-Dichloropropane	7.500	77	252375	46.905	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	199971	45.510	ug/l	95
28) Bromochloromethane	7.824	49	108311	38.894	ug/l	100
29) Tetrahydrofuran	7.841	42	296647	238.161	ug/l	99
30) Chloroform	7.971	83	322185	45.039	ug/l	95
31) Cyclohexane	8.265	56	260673	44.200	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	296404	46.737	ug/l	99
36) 1,1-Dichloropropene	8.377	75	233047	47.352	ug/l	98
37) Ethyl Acetate	7.565	43	188735	47.742	ug/l	98
38) Carbon Tetrachloride	8.371	117	259958	47.193	ug/l	99
39) Methylcyclohexane	9.606	83	295172	49.713	ug/l	98
40) Benzene	8.612	78	703789	46.348	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	102852	50.053	ug/l	98
42) 1,2-Dichloroethane	8.677	62	236663	46.880	ug/l	100
43) Isopropyl Acetate	8.694	43	321883	49.360	ug/l	99
44) Trichloroethene	9.353	130	194419	45.448	ug/l	99
45) 1,2-Dichloropropane	9.624	63	170241	46.072	ug/l	98
46) Dibromomethane	9.712	93	128002	46.704	ug/l	99
47) Bromodichloromethane	9.894	83	251394	46.774	ug/l	99
48) Methyl methacrylate	9.682	41	149934	51.049	ug/l	99
49) 1,4-Dioxane	9.694	88	64153	888.472	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	967625	245.359	ug/l	99
52) Toluene	10.635	92	470679	47.594	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	256875	48.825	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	286299	49.563	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	185565	47.806	ug/l	99
56) Ethyl methacrylate	10.876	69	264778	51.354	ug/l	98
57) 1,3-Dichloropropane	11.165	76	299373	47.019	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	377035	229.683	ug/l	99
59) 2-Hexanone	11.200	43	694027	241.314	ug/l	100
60) Dibromochloromethane	11.359	129	206080	47.739	ug/l	99
61) 1,2-Dibromoethane	11.471	107	186935	47.589	ug/l	99
64) Tetrachloroethene	11.106	164	190814	50.628	ug/l	97
65) Chlorobenzene	11.894	112	508285	46.236	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	194706	47.817	ug/l	100
67) Ethyl Benzene	11.965	91	911532	49.129	ug/l	99
68) m/p-Xylenes	12.070	106	732508	99.748	ug/l	99
69) o-Xylene	12.400	106	362535	49.886	ug/l	99
70) Styrene	12.412	104	598580	51.803	ug/l	99
71) Bromoform	12.582	173	147523	49.790	ug/l #	100
73) Isopropylbenzene	12.700	105	952140	49.693	ug/l	100
74) N-amyl acetate	12.494	43	282344	50.230	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	258823	43.696	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	229651m	42.968	ug/l	
77) Bromobenzene	12.982	156	227127	46.839	ug/l	97
78) n-propylbenzene	13.035	91	1072143	50.733	ug/l	99
79) 2-Chlorotoluene	13.123	91	630360	47.784	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	801620	49.988	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	74122	49.919	ug/l	89
82) 4-Chlorotoluene	13.123	91	630360	47.784	ug/l	99
83) tert-Butylbenzene	13.441	119	714407	50.528	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	802999	50.475	ug/l	99
85) sec-Butylbenzene	13.617	105	1003319	51.413	ug/l	99
86) p-Isopropyltoluene	13.729	119	856417	52.741	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	425468	47.500	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	416431	45.510	ug/l	100
89) n-Butylbenzene	14.059	91	683400	51.949	ug/l	99
90) Hexachloroethane	14.335	117	139492	48.023	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	419616	47.560	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	45043	42.856	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	211894	48.511	ug/l	99
94) Hexachlorobutadiene	15.506	225	112080	47.031	ug/l	99
95) Naphthalene	15.641	128	616752	43.057	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	202710	49.653	ug/l	98

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

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