

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091123\
 Data File : VN079216.D
 Acq On : 11 Sep 2023 13:55
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Sep 12 02:33:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 11 16:44:36 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	147645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	244523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	221782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	98252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	104557	52.460	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.920%			
35) Dibromofluoromethane	8.171	113	87001	53.489	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.980%			
50) Toluene-d8	10.570	98	323695	54.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.400%			
62) 4-Bromofluorobenzene	12.853	95	107125	56.232	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	67366	46.113	ug/l	98
3) Chloromethane	2.365	50	85876	44.780	ug/l	97
4) Vinyl Chloride	2.512	62	97162	46.498	ug/l	99
5) Bromomethane	2.936	94	53609	44.633	ug/l	98
6) Chloroethane	3.112	64	65222	48.780	ug/l	99
7) Trichlorofluoromethane	3.489	101	140448	45.901	ug/l	98
8) Diethyl Ether	3.965	74	51874	48.844	ug/l	73
9) 1,1,2-Trichlorotrifluo...	4.377	101	74271	45.642	ug/l	96
10) Methyl Iodide	4.589	142	71945	54.049	ug/l	97
11) Tert butyl alcohol	5.536	59	81016	220.174	ug/l	99
12) 1,1-Dichloroethene	4.341	96	75118	47.703	ug/l	90
13) Acrolein	4.183	56	82131	233.993	ug/l	99
14) Allyl chloride	5.030	41	118352	47.115	ug/l	93
15) Acrylonitrile	5.724	53	227041	237.960	ug/l	99
16) Acetone	4.430	43	198826	234.889	ug/l	94
17) Carbon Disulfide	4.712	76	215002	43.686	ug/l	100
18) Methyl Acetate	5.030	43	160024	45.999	ug/l #	88
19) Methyl tert-butyl Ether	5.800	73	268820	49.776	ug/l	96
20) Methylene Chloride	5.277	84	90913	44.135	ug/l	93
21) trans-1,2-Dichloroethene	5.788	96	86635	47.427	ug/l	84
22) Diisopropyl ether	6.677	45	276714	50.205	ug/l #	89
23) Vinyl Acetate	6.612	43	862512	236.891	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	162584	47.851	ug/l	98
25) 2-Butanone	7.488	43	304025	247.545	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	138331	48.123	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	102261	48.958	ug/l	90
28) Bromochloromethane	7.818	49	80939	52.688	ug/l	83
29) Tetrahydrofuran	7.841	42	197524	252.726	ug/l #	80
30) Chloroform	7.971	83	169762	47.989	ug/l	94
31) Cyclohexane	8.265	56	132190	45.424	ug/l	87
32) 1,1,1-Trichloroethane	8.177	97	148814	49.350	ug/l	97
36) 1,1-Dichloropropene	8.377	75	127487	50.851	ug/l	96
37) Ethyl Acetate	7.565	43	126514	51.293	ug/l #	94
38) Carbon Tetrachloride	8.365	117	128200	49.414	ug/l	98
39) Methylcyclohexane	9.606	83	129122	52.213	ug/l	91
40) Benzene	8.612	78	383687	49.993	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	66368	51.360	ug/l #	87
42) 1,2-Dichloroethane	8.677	62	129478	49.005	ug/l	99
43) Isopropyl Acetate	8.694	43	201982	49.503	ug/l #	93
44) Trichloroethene	9.359	130	92290	48.815	ug/l	95
45) 1,2-Dichloropropane	9.629	63	97610	51.247	ug/l	97
46) Dibromomethane	9.718	93	66069	51.097	ug/l	90
47) Bromodichloromethane	9.888	83	137100	51.768	ug/l	100
48) Methyl methacrylate	9.682	41	94600	51.761	ug/l #	81
49) 1,4-Dioxane	9.700	88	38866	1033.924	ug/l #	88
51) 4-Methyl-2-Pentanone	10.453	43	619795	261.677	ug/l	94
52) Toluene	10.635	92	239507	50.780	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	146718	52.539	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	156199	52.296	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	92377	49.914	ug/l	96
56) Ethyl methacrylate	10.882	69	145888	55.842	ug/l #	89
57) 1,3-Dichloropropane	11.170	76	161446	50.463	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	264630	241.806	ug/l	92
59) 2-Hexanone	11.200	43	459275	267.719	ug/l	92
60) Dibromochloromethane	11.365	129	102162	51.868	ug/l	99
61) 1,2-Dibromoethane	11.476	107	96274	52.126	ug/l	98
64) Tetrachloroethene	11.106	164	76236	47.142	ug/l	93
65) Chlorobenzene	11.894	112	242225	48.211	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	91913	48.786	ug/l	96
67) Ethyl Benzene	11.970	91	448344	52.171	ug/l	98
68) m/p-Xylenes	12.076	106	338281	105.607	ug/l	95
69) o-Xylene	12.406	106	164111	53.420	ug/l	95
70) Styrene	12.417	104	275915	55.843	ug/l	99
71) Bromoform	12.582	173	73163	52.603	ug/l #	99
73) Isopropylbenzene	12.700	105	415255	46.453	ug/l	100
74) N-amyl acetate	12.500	43	166657	49.140	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	138087	41.483	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	111407m	43.708	ug/l	
77) Bromobenzene	12.982	156	101695	44.928	ug/l	98
78) n-propylbenzene	13.041	91	483315	48.130	ug/l	98
79) 2-Chlorotoluene	13.129	91	294539	44.846	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	348604	46.802	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	44558	46.261	ug/l #	85
82) 4-Chlorotoluene	13.223	91	290132	47.012	ug/l	100
83) tert-Butylbenzene	13.441	119	293139	47.573	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	343509	48.425	ug/l	100
85) sec-Butylbenzene	13.623	105	403200	47.530	ug/l	100
86) p-Isopropyltoluene	13.735	119	329754	48.655	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	173027	46.606	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	172079	45.870	ug/l	98
89) n-Butylbenzene	14.059	91	266761	50.054	ug/l	100
90) Hexachloroethane	14.341	117	61874	44.957	ug/l	80
91) 1,2-Dichlorobenzene	14.111	146	168600	46.003	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	25205	48.054	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	73851	56.073	ug/l	98
94) Hexachlorobutadiene	15.505	225	42988	41.492	ug/l	99
95) Naphthalene	15.647	128	211217	53.996	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	76579	49.292	ug/l	98

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

