

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060623\
 Data File : VN078080.D
 Acq On : 06 Jun 2023 21:23
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/07/2023
 Supervised By : Mahesh Dadoda 06/07/2023

Quant Time: Jun 07 04:28:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 04:24:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	496967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	892422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	779164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	304762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	331412	50.016	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.040%			
35) Dibromofluoromethane	8.177	113	283896	50.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.620%			
50) Toluene-d8	10.571	98	1095660	50.368	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.740%			
62) 4-Bromofluorobenzene	12.853	95	350354	51.808	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	256600	45.677	ug/l	98
3) Chloromethane	2.371	50	272656	51.651	ug/l	98
4) Vinyl Chloride	2.518	62	342690	46.586	ug/l	97
5) Bromomethane	2.953	94	259627	46.701	ug/l	94
6) Chloroethane	3.124	64	230528	45.971	ug/l	99
7) Trichlorofluoromethane	3.500	101	462416	46.355	ug/l	100
8) Diethyl Ether	3.971	74	166317	47.451	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.377	101	246408	46.805	ug/l	96
10) Methyl Iodide	4.594	142	378160	50.793	ug/l	97
11) Tert butyl alcohol	5.536	59	217476	237.698	ug/l	100
12) 1,1-Dichloroethene	4.347	96	256339	51.904	ug/l	91
13) Acrolein	4.189	56	236663	234.699	ug/l	96
14) Allyl chloride	5.036	41	319232	48.189	ug/l	93
15) Acrylonitrile	5.730	53	589851	250.062	ug/l	100
16) Acetone	4.436	43	436250	228.735	ug/l	99
17) Carbon Disulfide	4.718	76	655927	46.958	ug/l	99
18) Methyl Acetate	5.036	43	409792	46.669	ug/l	92
19) Methyl tert-butyl Ether	5.806	73	857161	49.504	ug/l	99
20) Methylene Chloride	5.283	84	292336	46.384	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	283385	48.415	ug/l	84
22) Diisopropyl ether	6.683	45	775393	49.760	ug/l	94
23) Vinyl Acetate	6.612	43	2353095	254.032	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	501954	48.831	ug/l	98
25) 2-Butanone	7.494	43	733774	250.186	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	384169	50.614	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	333657	47.789	ug/l	97
28) Bromochloromethane	7.818	49	233768	49.530	ug/l	95
29) Tetrahydrofuran	7.847	42	490250	250.042	ug/l	86
30) Chloroform	7.971	83	545835	49.311	ug/l	96
31) Cyclohexane	8.265	56	396948	46.701	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	493033	50.734	ug/l	98
36) 1,1-Dichloropropene	8.377	75	401699	49.631	ug/l	98
37) Ethyl Acetate	7.571	43	314254	49.702	ug/l	95
38) Carbon Tetrachloride	8.371	117	424911	49.719	ug/l	94
39) Methylcyclohexane	9.606	83	410427	48.931	ug/l	94
40) Benzene	8.612	78	1206266	49.922	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	161977	47.263	ug/l	95
42) 1,2-Dichloroethane	8.677	62	403509	48.704	ug/l	97
43) Isopropyl Acetate	8.694	43	560264	46.333	ug/l	95
44) Trichloroethene	9.359	130	312746	49.010	ug/l	97
45) 1,2-Dichloropropane	9.629	63	297570	49.497	ug/l	98
46) Dibromomethane	9.712	93	215149	48.587	ug/l	94
47) Bromodichloromethane	9.894	83	424718	51.635	ug/l	97
48) Methyl methacrylate	9.688	41	257540	50.751	ug/l	92
49) 1,4-Dioxane	9.700	88	99900	936.660	ug/l #	92
51) 4-Methyl-2-Pentanone	10.453	43	1615902	253.770	ug/l	94
52) Toluene	10.635	92	769867	50.463	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	453214	52.907	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	488840	51.624	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	296884	51.442	ug/l	94
56) Ethyl methacrylate	10.882	69	444521	52.898	ug/l	91
57) 1,3-Dichloropropane	11.171	76	497128	51.032	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	892415	262.887	ug/l	94
59) 2-Hexanone	11.200	43	1144897	258.227	ug/l	93
60) Dibromochloromethane	11.365	129	327749	51.899	ug/l	100
61) 1,2-Dibromoethane	11.476	107	308875	50.999	ug/l	98
64) Tetrachloroethene	11.112	164	240740	46.313	ug/l	98
65) Chlorobenzene	11.900	112	827029	49.564	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	311040	50.681	ug/l	98
67) Ethyl Benzene	11.970	91	1442469	50.100	ug/l	100
68) m/p-Xylenes	12.076	106	1111100	101.261	ug/l	99
69) o-Xylene	12.406	106	545809	50.654	ug/l	96
70) Styrene	12.418	104	896077	52.823	ug/l	98
71) Bromoform	12.588	173	210275	53.092	ug/l #	100
73) Isopropylbenzene	12.700	105	1334508	46.306	ug/l	99
74) N-amyl acetate	12.500	43	453092	47.743	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	416089	52.622	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	330691m	45.704	ug/l	
77) Bromobenzene	12.988	156	318692	47.637	ug/l	94
78) n-propylbenzene	13.041	91	1483880	47.391	ug/l	99
79) 2-Chlorotoluene	13.129	91	908758	44.962	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	1073816	46.022	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	115073	49.071	ug/l	94
82) 4-Chlorotoluene	13.229	91	903358	47.890	ug/l	98
83) tert-Butylbenzene	13.441	119	928144	45.762	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	1072840	47.426	ug/l	97
85) sec-Butylbenzene	13.623	105	1236847	46.592	ug/l	99
86) p-Isopropyltoluene	13.735	119	1029980	47.812	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	542070	47.902	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	524297	48.015	ug/l	99
89) n-Butylbenzene	14.064	91	809208	47.624	ug/l	98
90) Hexachloroethane	14.341	117	184253	48.196	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	533330	48.223	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	69537	48.713	ug/l	92
93) 1,2,4-Trichlorobenzene	15.400	180	214108	54.335	ug/l	98
94) Hexachlorobutadiene	15.506	225	97666	50.596	ug/l	97
95) Naphthalene	15.647	128	713769	53.849	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	221401	50.237	ug/l	97

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

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