

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051623\
 Data File : VN077702.D
 Acq On : 16 May 2023 19:01
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 17 04:09:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	380696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	687063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	608775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	275948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	260120	45.666	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.340%		
35) Dibromofluoromethane	8.171	113	213178	47.582	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.160%		
50) Toluene-d8	10.577	98	828990	48.072	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.140%		
62) 4-Bromofluorobenzene	12.859	95	290354	47.673	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	224263	51.762	ug/l	100
3) Chloromethane	2.366	50	233004	50.750	ug/l	100
4) Vinyl Chloride	2.513	62	279887	51.238	ug/l	97
5) Bromomethane	2.954	94	200685	49.675	ug/l	97
6) Chloroethane	3.118	64	202335	51.398	ug/l	99
7) Trichlorofluoromethane	3.501	101	393942	51.749	ug/l	99
8) Diethyl Ether	3.971	74	142322	51.211	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.377	101	211979	50.317	ug/l	98
10) Methyl Iodide	4.589	142	287919	57.306	ug/l	98
11) Tert butyl alcohol	5.536	59	207885	264.442	ug/l	100
12) 1,1-Dichloroethene	4.348	96	206347	51.534	ug/l	86
13) Acrolein	4.189	56	136671	283.280	ug/l	99
14) Allyl chloride	5.030	41	283293	48.161	ug/l	93
15) Acrylonitrile	5.730	53	558757	266.045	ug/l	99
16) Acetone	4.436	43	445628	248.663	ug/l	97
17) Carbon Disulfide	4.718	76	504729	46.783	ug/l	100
18) Methyl Acetate	5.030	43	404149	53.757	ug/l #	87
19) Methyl tert-butyl Ether	5.807	73	746866	51.532	ug/l	98
20) Methylene Chloride	5.283	84	247171	53.113	ug/l	90
21) trans-1,2-Dichloroethene	5.795	96	225622	50.163	ug/l #	82
22) Diisopropyl ether	6.683	45	710385	51.524	ug/l #	94
23) Vinyl Acetate	6.612	43	2208118	258.489	ug/l #	90
24) 1,1-Dichloroethane	6.583	63	439932	52.083	ug/l	97
25) 2-Butanone	7.489	43	728569	259.890	ug/l	88
26) 2,2-Dichloropropane	7.495	77	358328	49.933	ug/l	100
27) cis-1,2-Dichloroethene	7.495	96	274691	50.935	ug/l	91
28) Bromochloromethane	7.818	49	172799	47.303	ug/l	87
29) Tetrahydrofuran	7.848	42	483361	263.322	ug/l	85
30) Chloroform	7.971	83	476998	51.335	ug/l	92
31) Cyclohexane	8.265	56	387819	50.094	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	420095	53.178	ug/l	95
36) 1,1-Dichloropropene	8.377	75	351590	53.653	ug/l	97
37) Ethyl Acetate	7.565	43	300295	51.413	ug/l	96
38) Carbon Tetrachloride	8.365	117	367801	55.582	ug/l	95
39) Methylcyclohexane	9.606	83	431174	53.745	ug/l	91
40) Benzene	8.612	78	1037472	53.650	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	164221	52.794	ug/l	91
42) 1,2-Dichloroethane	8.677	62	366390	52.158	ug/l	97
43) Isopropyl Acetate	8.695	43	524248	54.950	ug/l	94
44) Trichloroethene	9.359	130	255388	52.157	ug/l	96
45) 1,2-Dichloropropane	9.630	63	269955	54.729	ug/l	98
46) Dibromomethane	9.718	93	187733	53.189	ug/l	98
47) Bromodichloromethane	9.895	83	372326	55.099	ug/l	98
48) Methyl methacrylate	9.689	41	246432	54.481	ug/l	88
49) 1,4-Dioxane	9.700	88	95907	1122.606	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1592868	280.884	ug/l	93
52) Toluene	10.636	92	651517	54.118	ug/l	96
53) t-1,3-Dichloropropene	10.842	75	391634	54.729	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	423621	53.720	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	264692	55.373	ug/l	99
56) Ethyl methacrylate	10.883	69	408233	56.483	ug/l	90
57) 1,3-Dichloropropane	11.171	76	443406	54.109	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	1012430	284.737	ug/l	91
59) 2-Hexanone	11.200	43	1168991	278.693	ug/l	92
60) Dibromochloromethane	11.365	129	276952	56.123	ug/l	99
61) 1,2-Dibromoethane	11.477	107	269586	56.532	ug/l	98
64) Tetrachloroethene	11.112	164	204943	48.139	ug/l	97
65) Chlorobenzene	11.900	112	705023	53.421	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.971	131	256380	56.144	ug/l	97
67) Ethyl Benzene	11.971	91	1286579	54.399	ug/l	99
68) m/p-Xylenes	12.077	106	977582	109.088	ug/l	97
69) o-Xylene	12.406	106	479449	54.402	ug/l	97
70) Styrene	12.418	104	785595	56.113	ug/l	97
71) Bromoform	12.588	173	174738	57.521	ug/l #	100
73) Isopropylbenzene	12.706	105	1261188	53.021	ug/l	100
74) N-amyl acetate	12.500	43	450126	51.196	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.947	83	383851	52.455	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	328692m	47.563	ug/l	
77) Bromobenzene	12.988	156	276389	50.916	ug/l	97
78) n-propylbenzene	13.041	91	1459540	52.046	ug/l	99
79) 2-Chlorotoluene	13.135	91	871634	52.088	ug/l	98
80) 1,3,5-Trimethylbenzene	13.183	105	1060806	53.062	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	110313	51.025	ug/l	90
82) 4-Chlorotoluene	13.230	91	841496	50.542	ug/l	100
83) tert-Butylbenzene	13.447	119	906458	51.938	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1055743	53.695	ug/l	100
85) sec-Butylbenzene	13.624	105	1300340	52.426	ug/l	100
86) p-Isopropyltoluene	13.735	119	1073567	54.292	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	510478	50.850	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	494720	49.662	ug/l	98
89) n-Butylbenzene	14.065	91	943016	51.849	ug/l	98
90) Hexachloroethane	14.341	117	184696	56.857	ug/l	93
91) 1,2-Dichlorobenzene	14.112	146	500501	53.368	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	75152	53.046	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	261875	47.783	ug/l	96
94) Hexachlorobutadiene	15.512	225	114075	50.132	ug/l	98
95) Naphthalene	15.647	128	915210	48.517	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	257503	47.989	ug/l	97

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

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