

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030823\
 Data File : VN076874.D
 Acq On : 08 Mar 2023 09:59
 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 03/09/2023
 Supervised By : Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 03:20:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 08:45:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	546669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	927455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	833493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	385314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	333000	43.447	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.900%		
35) Dibromofluoromethane	8.172	113	268581	46.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.580%		
50) Toluene-d8	10.571	98	1075740	48.125	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.240%		
62) 4-Bromofluorobenzene	12.854	95	381780	49.289	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	312344	49.102	ug/l	99
3) Chloromethane	2.378	50	352932	42.184	ug/l	94
4) Vinyl Chloride	2.531	62	328620	42.852	ug/l	100
5) Bromomethane	2.954	94	204542	40.591	ug/l	93
6) Chloroethane	3.125	64	200845	44.590	ug/l	99
7) Trichlorofluoromethane	3.513	101	543395	48.565	ug/l	99
8) Diethyl Ether	3.972	74	216883	50.389	ug/l	70
9) 1,1,2-Trichlorotrifluo...	4.384	101	325882	49.812	ug/l	99
10) Methyl Iodide	4.607	142	388617	56.952	ug/l	99
11) Tert butyl alcohol	5.531	59	251570	221.036	ug/l	98
12) 1,1-Dichloroethene	4.354	96	311390	51.043	ug/l	93
13) Acrolein	4.190	56	345613	234.733	ug/l	97
14) Allyl chloride	5.037	41	553089	54.305	ug/l #	73
15) Acrylonitrile	5.731	53	881109	240.724	ug/l	100
16) Acetone	4.437	43	839576	250.951	ug/l	99
17) Carbon Disulfide	4.725	76	826947	49.931	ug/l	99
18) Methyl Acetate	5.037	43	537135	46.854	ug/l #	86
19) Methyl tert-butyl Ether	5.807	73	1053042	50.338	ug/l	96
20) Methylene Chloride	5.289	84	361005	46.249	ug/l #	85
21) trans-1,2-Dichloroethene	5.801	96	333974	50.632	ug/l	88
22) Diisopropyl ether	6.678	45	1150476	50.208	ug/l #	93
23) Vinyl Acetate	6.613	43	3691887	252.948	ug/l #	91
24) 1,1-Dichloroethane	6.578	63	650906	49.815	ug/l	98
25) 2-Butanone	7.489	43	1183401	242.146	ug/l #	85
26) 2,2-Dichloropropane	7.495	77	494012	51.627	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	384679	49.783	ug/l	87
28) Bromochloromethane	7.819	49	265152	47.988	ug/l #	81
29) Tetrahydrofuran	7.842	42	751068	238.231	ug/l #	79
30) Chloroform	7.972	83	646212	49.794	ug/l	100
31) Cyclohexane	8.266	56	594362	45.906	ug/l	86
32) 1,1,1-Trichloroethane	8.178	97	558730	49.718	ug/l	97
36) 1,1-Dichloropropene	8.377	75	487720	52.302	ug/l	97
37) Ethyl Acetate	7.572	43	455094	47.546	ug/l #	93
38) Carbon Tetrachloride	8.366	117	488386	51.555	ug/l	98
39) Methylcyclohexane	9.607	83	613521	53.377	ug/l #	87
40) Benzene	8.613	78	1478606	52.053	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	266762	51.036	ug/l #	83
42) 1,2-Dichloroethane	8.677	62	483065	48.818	ug/l	98
43) Isopropyl Acetate	8.695	43	734487	50.124	ug/l #	91
44) Trichloroethene	9.354	130	360147	53.473	ug/l	96
45) 1,2-Dichloropropane	9.624	63	377749	51.460	ug/l	98
46) Dibromomethane	9.713	93	239243	51.314	ug/l	96
47) Bromodichloromethane	9.889	83	504719	52.658	ug/l	96
48) Methyl methacrylate	9.683	41	358611	50.364	ug/l #	80
49) 1,4-Dioxane	9.695	88	122773	940.738	ug/l #	82
51) 4-Methyl-2-Pentanone	10.448	43	2316339	250.612	ug/l	92
52) Toluene	10.630	92	919289	54.351	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	520092	55.979	ug/l	99
54) cis-1,3-Dichloropropene	10.319	75	586060	54.916	ug/l	94
55) 1,1,2-Trichloroethane	11.019	97	348948	51.862	ug/l	97
56) Ethyl methacrylate	10.877	69	547133	54.577	ug/l #	85
57) 1,3-Dichloropropane	11.166	76	613386	52.507	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	870836	250.706	ug/l	92
59) 2-Hexanone	11.195	43	1691054	252.491	ug/l	90
60) Dibromochloromethane	11.360	129	364821	55.024	ug/l	98
61) 1,2-Dibromoethane	11.471	107	343078	53.051	ug/l	98
64) Tetrachloroethene	11.107	164	358568	57.808	ug/l	98
65) Chlorobenzene	11.895	112	916500	50.881	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	339450	52.096	ug/l	99
67) Ethyl Benzene	11.965	91	1756544	53.706	ug/l	98
68) m/p-Xylenes	12.071	106	1334348	108.436	ug/l	94
69) o-Xylene	12.401	106	653953	53.966	ug/l	90
70) Styrene	12.413	104	1073379	56.497	ug/l	96
71) Bromoform	12.583	173	245230	55.292	ug/l #	98
73) Isopropylbenzene	12.701	105	1706124	50.798	ug/l	97
74) N-amyl acetate	12.495	43	631993	48.113	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.942	83	470949	43.753	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	443954m	45.686	ug/l	
77) Bromobenzene	12.983	156	374461	50.383	ug/l	90
78) n-propylbenzene	13.036	91	2036418	53.168	ug/l	97
79) 2-Chlorotoluene	13.130	91	1221067	49.698	ug/l	93
80) 1,3,5-Trimethylbenzene	13.177	105	1467591	52.135	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.736	75	150090	50.939	ug/l	91
82) 4-Chlorotoluene	13.224	91	1189164	51.053	ug/l	92
83) tert-Butylbenzene	13.442	119	1274878	52.999	ug/l	95
84) 1,2,4-Trimethylbenzene	13.483	105	1464904	52.756	ug/l	94
85) sec-Butylbenzene	13.618	105	1819766	54.184	ug/l	97
86) p-Isopropyltoluene	13.730	119	1483827	55.238	ug/l	97
87) 1,3-Dichlorobenzene	13.736	146	705463	51.984	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	698519	50.692	ug/l	99
89) n-Butylbenzene	14.059	91	1292851	55.709	ug/l	98
90) Hexachloroethane	14.336	117	250536	51.620	ug/l	93
91) 1,2-Dichlorobenzene	14.107	146	694533	50.524	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	95313	46.731	ug/l	88
93) 1,2,4-Trichlorobenzene	15.395	180	386902	56.259	ug/l	99
94) Hexachlorobutadiene	15.506	225	192951	53.885	ug/l	100
95) Naphthalene	15.642	128	1213206	55.074	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	379813	56.190	ug/l	99

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

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