

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051623\
 Data File : VN077683.D
 Acq On : 16 May 2023 11:09
 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 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

Quant Time: May 17 03:55:59 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

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	409151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	746545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	652125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	293844	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	315813	51.587	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.180%	
35) Dibromofluoromethane	8.171	113	253769	52.129	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.260%	
50) Toluene-d8	10.570	98	988392	52.749	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.500%	
62) 4-Bromofluorobenzene	12.853	95	345144	52.154	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.300%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	228750	49.126	ug/l	98
3) Chloromethane	2.365	50	236629	47.853	ug/l	98
4) Vinyl Chloride	2.518	62	281758	47.994	ug/l	98
5) Bromomethane	2.959	94	196488	45.254	ug/l	99
6) Chloroethane	3.124	64	212551	50.238	ug/l	97
7) Trichlorofluoromethane	3.506	101	398471	48.703	ug/l	100
8) Diethyl Ether	3.971	74	145061	48.567	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.377	101	221396	48.897	ug/l	99
10) Methyl Iodide	4.594	142	293958	54.439	ug/l	97
11) Tert butyl alcohol	5.530	59	191374	226.508	ug/l	98
12) 1,1-Dichloroethene	4.347	96	213559	49.626	ug/l	90
13) Acrolein	4.183	56	139149	266.647	ug/l	97
14) Allyl chloride	5.030	41	295857	46.799	ug/l	90
15) Acrylonitrile	5.724	53	537111	237.953	ug/l	99
16) Acetone	4.436	43	435319	226.017	ug/l	93
17) Carbon Disulfide	4.718	76	532109	45.891	ug/l	98
18) Methyl Acetate	5.030	43	380136	47.046	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	770840	49.488	ug/l	100
20) Methylene Chloride	5.289	84	252402	50.363	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	234873	48.588	ug/l	88
22) Diisopropyl ether	6.677	45	738279	49.823	ug/l #	94
23) Vinyl Acetate	6.612	43	2216659	241.442	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	453251	49.928	ug/l	97
25) 2-Butanone	7.488	43	715557	237.496	ug/l #	85
26) 2,2-Dichloropropane	7.494	77	395768	51.315	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	285251	49.214	ug/l	90
28) Bromochloromethane	7.818	49	198710	50.612	ug/l	85
29) Tetrahydrofuran	7.841	42	464397	235.396	ug/l #	82
30) Chloroform	7.971	83	480543	48.120	ug/l	97
31) Cyclohexane	8.259	56	389676	46.833	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	426574	50.242	ug/l	97
36) 1,1-Dichloropropene	8.377	75	360426	50.619	ug/l	96
37) Ethyl Acetate	7.565	43	283732	44.707	ug/l	96
38) Carbon Tetrachloride	8.365	117	372227	51.769	ug/l	98
39) Methylcyclohexane	9.606	83	446406	51.210	ug/l	89
40) Benzene	8.612	78	1067489	50.804	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	168499	49.854	ug/l	88
42) 1,2-Dichloroethane	8.677	62	379525	49.723	ug/l	96
43) Isopropyl Acetate	8.694	43	500228	48.255	ug/l #	94
44) Trichloroethene	9.359	130	263645	49.553	ug/l	100
45) 1,2-Dichloropropane	9.624	63	273185	50.971	ug/l	93
46) Dibromomethane	9.712	93	185632	48.403	ug/l	96
47) Bromodichloromethane	9.894	83	388907	52.967	ug/l	99
48) Methyl methacrylate	9.682	41	249462	50.757	ug/l	83
49) 1,4-Dioxane	9.700	88	83950	904.354	ug/l #	87
51) 4-Methyl-2-Pentanone	10.453	43	1520202	246.711	ug/l	93
52) Toluene	10.635	92	667129	51.000	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	395950	50.924	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	435785	50.859	ug/l	94
55) 1,1,2-Trichloroethane	11.023	97	260189	50.094	ug/l	93
56) Ethyl methacrylate	10.882	69	398103	50.693	ug/l #	91
57) 1,3-Dichloropropane	11.170	76	446587	50.155	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	951678	246.325	ug/l	91
59) 2-Hexanone	11.200	43	1094930	240.238	ug/l	92
60) Dibromochloromethane	11.365	129	274335	51.163	ug/l	100
61) 1,2-Dibromoethane	11.476	107	259142	50.012	ug/l	99
64) Tetrachloroethene	11.112	164	241489	52.953	ug/l	99
65) Chlorobenzene	11.900	112	706412	49.968	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	257101	52.559	ug/l	99
67) Ethyl Benzene	11.970	91	1298692	51.261	ug/l	99
68) m/p-Xylenes	12.076	106	984003	102.505	ug/l	97
69) o-Xylene	12.406	106	478378	50.672	ug/l	94
70) Styrene	12.417	104	781873	52.135	ug/l	97
71) Bromoform	12.588	173	173618	53.353	ug/l #	100
73) Isopropylbenzene	12.700	105	1264325	49.915	ug/l	99
74) N-amyl acetate	12.500	43	426074	45.509	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	354700	45.519	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	312357m	42.446	ug/l	
77) Bromobenzene	12.988	156	268499	46.450	ug/l	94
78) n-propylbenzene	13.041	91	1472033	49.295	ug/l	99
79) 2-Chlorotoluene	13.129	91	872726	48.977	ug/l	100
80) 1,3,5-Trimethylbenzene	13.182	105	1046198	49.144	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	130997	56.902	ug/l	95
82) 4-Chlorotoluene	13.229	91	844390	47.627	ug/l	99
83) tert-Butylbenzene	13.447	119	904281	48.657	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	1049238	50.114	ug/l	100
85) sec-Butylbenzene	13.623	105	1306286	49.458	ug/l	100
86) p-Isopropyltoluene	13.735	119	1066466	50.648	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	499447	46.722	ug/l	100
88) 1,4-Dichlorobenzene	13.817	146	496595	46.814	ug/l	99
89) n-Butylbenzene	14.064	91	949901	49.047	ug/l	99
90) Hexachloroethane	14.341	117	181254	52.399	ug/l	94
91) 1,2-Dichlorobenzene	14.111	146	483703	48.436	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	70636	46.822	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	269234	46.134	ug/l	98
94) Hexachlorobutadiene	15.511	225	113086	46.671	ug/l	97
95) Naphthalene	15.647	128	871192	43.370	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	262599	45.958	ug/l	98

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

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