

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100523\
 Data File : VN079426.D
 Acq On : 05 Oct 2023 17:50
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/06/2023
 Supervised By : Mahesh Dadoda 10/06/2023

Quant Time: Oct 06 03:03:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 02:55:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	259789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	456763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	419880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	183152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	204339	48.510	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.020%		
35) Dibromofluoromethane	8.171	113	159020	48.445	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.900%		
50) Toluene-d8	10.571	98	612229	51.548	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.100%		
62) 4-Bromofluorobenzene	12.853	95	201333	52.822	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	194343	52.206	ug/l	99
3) Chloromethane	2.365	50	226455	48.753	ug/l	98
4) Vinyl Chloride	2.512	62	242548	50.202	ug/l	98
5) Bromomethane	2.936	94	134403	47.174	ug/l	96
6) Chloroethane	3.112	64	166253	46.385	ug/l	99
7) Trichlorofluoromethane	3.489	101	277729	48.686	ug/l	97
8) Diethyl Ether	3.965	74	104768	51.516	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.371	101	155057	46.513	ug/l	98
10) Methyl Iodide	4.589	142	165894	57.348	ug/l	97
11) Tert butyl alcohol	5.530	59	156165	246.325	ug/l	99
12) 1,1-Dichloroethene	4.347	96	152269	49.608	ug/l	87
13) Acrolein	4.183	56	161575	255.953	ug/l	96
14) Allyl chloride	5.024	41	243357	49.130	ug/l	92
15) Acrylonitrile	5.724	53	473904	257.835	ug/l	99
16) Acetone	4.430	43	425610	254.745	ug/l	95
17) Carbon Disulfide	4.712	76	460447	48.092	ug/l	99
18) Methyl Acetate	5.030	43	390715	47.780	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	521456	52.286	ug/l	93
20) Methylene Chloride	5.283	84	180813	49.414	ug/l #	85
21) trans-1,2-Dichloroethene	5.789	96	169365	47.243	ug/l	85
22) Diisopropyl ether	6.677	45	576038	51.862	ug/l #	90
23) Vinyl Acetate	6.606	43	1716996	274.819	ug/l #	86
24) 1,1-Dichloroethane	6.577	63	332605	48.929	ug/l	98
25) 2-Butanone	7.488	43	655981	264.538	ug/l #	81
26) 2,2-Dichloropropane	7.494	77	265959	51.196	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	193006	49.557	ug/l	85
28) Bromochloromethane	7.818	49	168903	52.222	ug/l #	72
29) Tetrahydrofuran	7.841	42	426524	265.954	ug/l #	75
30) Chloroform	7.971	83	333926	48.619	ug/l	94
31) Cyclohexane	8.265	56	279872	46.841	ug/l	84
32) 1,1,1-Trichloroethane	8.171	97	285963	49.474	ug/l	95
36) 1,1-Dichloropropene	8.377	75	253573	51.471	ug/l	95
37) Ethyl Acetate	7.571	43	262353	51.989	ug/l #	91
38) Carbon Tetrachloride	8.365	117	248972	50.481	ug/l	99
39) Methylcyclohexane	9.606	83	256624	54.218	ug/l #	87
40) Benzene	8.612	78	740879	50.638	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	140657	54.578	ug/l #	84
42) 1,2-Dichloroethane	8.677	62	262877	49.447	ug/l	98
43) Isopropyl Acetate	8.694	43	429602	50.022	ug/l #	89
44) Trichloroethene	9.359	130	170840	49.611	ug/l	97
45) 1,2-Dichloropropane	9.624	63	191686	49.725	ug/l	96
46) Dibromomethane	9.712	93	128841	51.605	ug/l	95
47) Bromodichloromethane	9.894	83	263864	51.378	ug/l	97
48) Methyl methacrylate	9.688	41	200499	54.480	ug/l #	81
49) 1,4-Dioxane	9.700	88	76573	1129.599	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	1320593	272.397	ug/l	89
52) Toluene	10.635	92	459609	53.367	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	279393	53.984	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	305732	53.963	ug/l #	88
55) 1,1,2-Trichloroethane	11.024	97	176140	50.944	ug/l	97
56) Ethyl methacrylate	10.882	69	278647	58.649	ug/l #	82
57) 1,3-Dichloropropane	11.171	76	311102	52.108	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	521343	286.529	ug/l	89
59) 2-Hexanone	11.200	43	989510	282.848	ug/l	87
60) Dibromochloromethane	11.365	129	184235	53.019	ug/l	99
61) 1,2-Dibromoethane	11.476	107	175850	51.249	ug/l	100
64) Tetrachloroethene	11.106	164	139621	48.338	ug/l	98
65) Chlorobenzene	11.894	112	459971	49.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	170928	49.924	ug/l	98
67) Ethyl Benzene	11.971	91	874585	53.812	ug/l	97
68) m/p-Xylenes	12.076	106	642159	108.742	ug/l	93
69) o-Xylene	12.406	106	311651	53.663	ug/l	93
70) Styrene	12.418	104	523201	57.034	ug/l	98
71) Bromoform	12.582	173	126321	50.412	ug/l #	100
73) Isopropylbenzene	12.700	105	805340	47.264	ug/l	99
74) N-amyl acetate	12.500	43	354519	50.752	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	267974	48.693	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	246039m	45.331	ug/l	
77) Bromobenzene	12.982	156	184646	44.195	ug/l	96
78) n-propylbenzene	13.041	91	959048	49.748	ug/l	97
79) 2-Chlorotoluene	13.129	91	560748	45.456	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	664566	49.461	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	86059	47.286	ug/l	87
82) 4-Chlorotoluene	13.223	91	562697	47.935	ug/l	98
83) tert-Butylbenzene	13.441	119	549911	49.954	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	653763	50.985	ug/l	99
85) sec-Butylbenzene	13.623	105	769754	50.131	ug/l	98
86) p-Isopropyltoluene	13.735	119	617139	52.391	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	327341	49.398	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	321965	47.055	ug/l	98
89) n-Butylbenzene	14.059	91	517582	55.024	ug/l	99
90) Hexachloroethane	14.335	117	120024	50.193	ug/l	87
91) 1,2-Dichlorobenzene	14.112	146	320149	49.530	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	46668	47.365	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	119537	59.711	ug/l	99
94) Hexachlorobutadiene	15.506	225	72281	46.358	ug/l	99
95) Naphthalene	15.647	128	359506	58.808	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	128400	53.747	ug/l	98

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

