

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100523\
 Data File : VN079428.D
 Acq On : 05 Oct 2023 18:39
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Quant Time: Oct 06 03:04:46 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	240407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	430772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	376910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	40575	10.409	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	20.820%#		
35) Dibromofluoromethane	8.171	113	31045	10.028	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.060%#		
50) Toluene-d8	10.570	98	110532	9.868	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	19.740%#		
62) 4-Bromofluorobenzene	12.853	95	33638	9.358	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	18.720%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	37531	10.895	ug/l	97
3) Chloromethane	2.365	50	45063	10.484	ug/l	92
4) Vinyl Chloride	2.512	62	47571	10.640	ug/l	97
5) Bromomethane	2.965	94	28570	10.836	ug/l	97
6) Chloroethane	3.118	64	32847	9.903	ug/l	97
7) Trichlorofluoromethane	3.500	101	53187	10.075	ug/l	93
8) Diethyl Ether	3.971	74	18986	10.088	ug/l	71
9) 1,1,2-Trichlorotrifluo...	4.371	101	30301	9.822	ug/l	97
10) Methyl Iodide	4.594	142	23926	8.938	ug/l	99
11) Tert butyl alcohol	5.536	59	28800	49.090	ug/l	98
12) 1,1-Dichloroethene	4.341	96	27597	9.716	ug/l #	77
13) Acrolein	4.189	56	27460	47.007	ug/l	93
14) Allyl chloride	5.024	41	43814	9.559	ug/l #	92
15) Acrylonitrile	5.736	53	87800	51.620	ug/l	98
16) Acetone	4.436	43	77001	49.804	ug/l	93
17) Carbon Disulfide	4.712	76	87638	9.891	ug/l	95
18) Methyl Acetate	5.036	43	74424	9.835	ug/l #	82
19) Methyl tert-butyl Ether	5.806	73	90892	9.848	ug/l	98
20) Methylene Chloride	5.283	84	36100	10.183	ug/l #	81
21) trans-1,2-Dichloroethene	5.800	96	31677	9.548	ug/l	92
22) Diisopropyl ether	6.677	45	105086	10.224	ug/l #	89
23) Vinyl Acetate	6.612	43	277972	48.079	ug/l #	85
24) 1,1-Dichloroethane	6.571	63	61835	9.830	ug/l	96
25) 2-Butanone	7.488	43	115496	50.331	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	44833	9.326	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	35448	9.836	ug/l	87
28) Bromochloromethane	7.818	49	30413	10.161	ug/l #	72
29) Tetrahydrofuran	7.847	42	72270	48.696	ug/l #	77
30) Chloroform	7.977	83	62640	9.856	ug/l	88
31) Cyclohexane	8.259	56	55491	10.036	ug/l	86
32) 1,1,1-Trichloroethane	8.171	97	54022	10.100	ug/l	95
36) 1,1-Dichloropropene	8.377	75	45045	9.695	ug/l	94
37) Ethyl Acetate	7.571	43	46206	9.709	ug/l #	90
38) Carbon Tetrachloride	8.371	117	46133	9.918	ug/l	89
39) Methylcyclohexane	9.612	83	42152	9.443	ug/l #	85
40) Benzene	8.612	78	136585	9.899	ug/l	99

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41) Methacrylonitrile	7.782	41	25858	10.639	ug/l #	82
42) 1,2-Dichloroethane	8.677	62	48783	9.730	ug/l	97
43) Isopropyl Acetate	8.694	43	82331	10.165	ug/l #	85
44) Trichloroethene	9.359	130	32702	10.069	ug/l	98
45) 1,2-Dichloropropane	9.623	63	35952	9.889	ug/l	97
46) Dibromomethane	9.712	93	23493	9.977	ug/l	96
47) Bromodichloromethane	9.894	83	48221	9.956	ug/l	97
48) Methyl methacrylate	9.682	41	31692	9.131	ug/l #	84
49) 1,4-Dioxane	9.700	88	13377	209.243	ug/l #	83
51) 4-Methyl-2-Pentanone	10.453	43	229138	50.116	ug/l	87
52) Toluene	10.635	92	81788	10.070	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	46641	9.556	ug/l	95
54) cis-1,3-Dichloropropene	10.318	75	53000	9.919	ug/l #	88
55) 1,1,2-Trichloroethane	11.023	97	32767	10.049	ug/l	95
56) Ethyl methacrylate	10.882	69	44300	9.887	ug/l #	80
57) 1,3-Dichloropropane	11.165	76	57335	10.183	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	83259	48.520	ug/l #	86
59) 2-Hexanone	11.200	43	160068	48.516	ug/l	85
60) Dibromochloromethane	11.359	129	33305	10.163	ug/l	99
61) 1,2-Dibromoethane	11.476	107	32001	9.889	ug/l	99
64) Tetrachloroethene	11.112	164	26535	10.234	ug/l	88
65) Chlorobenzene	11.894	112	82426	9.820	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	30879	10.047	ug/l	97
67) Ethyl Benzene	11.970	91	139656	9.572	ug/l	98
68) m/p-Xylenes	12.076	106	107621	20.302	ug/l	96
69) o-Xylene	12.400	106	50874	9.759	ug/l	97
70) Styrene	12.417	104	75799	9.205	ug/l	94
71) Bromoform	12.582	173	21599	9.602	ug/l #	99
73) Isopropylbenzene	12.700	105	125370	9.678	ug/l	99
74) N-amyl acetate	12.500	43	49785	9.375	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	46208	10.081	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	44163m	10.703	ug/l	
77) Bromobenzene	12.988	156	30816	9.702	ug/l	94
78) n-propylbenzene	13.041	91	141790	9.674	ug/l	98
79) 2-Chlorotoluene	13.129	91	90730	9.674	ug/l	99
80) 1,3,5-Trimethylbenzene	13.182	105	100989	9.887	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	14824	10.714	ug/l #	83
82) 4-Chlorotoluene	13.229	91	89267	10.003	ug/l	96
83) tert-Butylbenzene	13.441	119	82738	9.886	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	97476	9.999	ug/l	97
85) sec-Butylbenzene	13.623	105	116163	9.951	ug/l	99
86) p-Isopropyltoluene	13.735	119	90142	10.066	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	49395	9.805	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	49769	9.568	ug/l	99
89) n-Butylbenzene	14.059	91	68271	9.547	ug/l	94
90) Hexachloroethane	14.341	117	19324	9.788	ug/l	82
91) 1,2-Dichlorobenzene	14.111	146	47991	9.766	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	7810	10.426	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	13400	8.804	ug/l	94
94) Hexachlorobutadiene	15.505	225	12048	10.164	ug/l	97
95) Naphthalene	15.647	128	38561	8.297	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	16591	9.135	ug/l	95

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

