

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077032.D
 Acq On : 17 Mar 2023 12:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031723

Quant Time: Mar 18 02:28:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 02:17:37 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/20/2023
 Supervised By : Mahesh Dadoda 03/20/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	420965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	747203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	675507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	307409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	313640	46.644	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.280%		
35) Dibromofluoromethane	8.172	113	235945	45.090	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.180%		
50) Toluene-d8	10.572	98	913555	48.874	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.740%		
62) 4-Bromofluorobenzene	12.854	95	339651	51.422	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	196664	49.439	ug/l	100
3) Chloromethane	2.378	50	186219	43.905	ug/l	97
4) Vinyl Chloride	2.525	62	211320	46.158	ug/l	98
5) Bromomethane	2.948	94	158593	51.285	ug/l	100
6) Chloroethane	3.125	64	141482	48.839	ug/l	98
7) Trichlorofluoromethane	3.507	101	478824	48.617	ug/l	100
8) Diethyl Ether	3.972	74	193636	52.241	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.390	101	269495	48.237	ug/l	99
10) Methyl Iodide	4.601	142	328049	52.133	ug/l	97
11) Tert butyl alcohol	5.531	59	262458	267.861	ug/l	99
12) 1,1-Dichloroethene	4.348	96	255732	50.037	ug/l	97
13) Acrolein	4.190	56	296921	245.002	ug/l	99
14) Allyl chloride	5.037	41	528018	56.434	ug/l	94
15) Acrylonitrile	5.731	53	834234	253.260	ug/l	99
16) Acetone	4.437	43	781159	260.722	ug/l	98
17) Carbon Disulfide	4.725	76	729365	48.942	ug/l	98
18) Methyl Acetate	5.037	43	569882	50.440	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	960646	52.372	ug/l	100
20) Methylene Chloride	5.284	84	308400	47.428	ug/l	98
21) trans-1,2-Dichloroethene	5.801	96	277785	50.146	ug/l	98
22) Diisopropyl ether	6.684	45	1076010	52.489	ug/l	98
23) Vinyl Acetate	6.613	43	3457798	267.297	ug/l	99
24) 1,1-Dichloroethane	6.578	63	574896	49.008	ug/l	100
25) 2-Butanone	7.489	43	1155949	263.739	ug/l	98
26) 2,2-Dichloropropane	7.501	77	468218	53.048	ug/l	100
27) cis-1,2-Dichloroethene	7.495	96	329314	51.906	ug/l	99
28) Bromochloromethane	7.819	49	215311	42.265	ug/l	99
29) Tetrahydrofuran	7.848	42	754449	265.636	ug/l	99
30) Chloroform	7.972	83	558721	49.073	ug/l	98
31) Cyclohexane	8.260	56	528953	48.079	ug/l	98
32) 1,1,1-Trichloroethane	8.178	97	483936	49.730	ug/l	100
36) 1,1-Dichloropropene	8.378	75	429130	52.505	ug/l	99
37) Ethyl Acetate	7.566	43	444740	50.858	ug/l	99
38) Carbon Tetrachloride	8.366	117	407727	51.216	ug/l	98
39) Methylcyclohexane	9.607	83	540645	56.514	ug/l	98
40) Benzene	8.613	78	1264401	51.010	ug/l	99

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41) Methacrylonitrile	7.789	41	224039m	48.637	ug/l	
42) 1,2-Dichloroethane	8.678	62	444747	49.654	ug/l	99
43) Isopropyl Acetate	8.695	43	739037	54.100	ug/l	100
44) Trichloroethene	9.354	130	283536	49.800	ug/l	99
45) 1,2-Dichloropropane	9.625	63	338694	51.447	ug/l	99
46) Dibromomethane	9.713	93	206492	49.734	ug/l	98
47) Bromodichloromethane	9.889	83	444276	51.020	ug/l	99
48) Methyl methacrylate	9.683	41	365586	55.980	ug/l	100
49) 1,4-Dioxane	9.701	88	117765	1055.783	ug/l	99
51) 4-Methyl-2-Pentanone	10.448	43	2293662	269.628	ug/l	99
52) Toluene	10.630	92	777696	52.548	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	486922	57.052	ug/l	99
54) cis-1,3-Dichloropropene	10.319	75	534574	55.514	ug/l	99
55) 1,1,2-Trichloroethane	11.019	97	300106	51.423	ug/l	99
56) Ethyl methacrylate	10.877	69	507952	57.881	ug/l	100
57) 1,3-Dichloropropane	11.166	76	546820	51.177	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.166	63	917934	245.350	ug/l	100
59) 2-Hexanone	11.201	43	1704482	276.250	ug/l	100
60) Dibromochloromethane	11.360	129	310093	52.896	ug/l	100
61) 1,2-Dibromoethane	11.471	107	298344	51.551	ug/l	99
64) Tetrachloroethene	11.107	164	223919	49.391	ug/l	98
65) Chlorobenzene	11.895	112	788379	50.724	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.966	131	283173	49.238	ug/l	98
67) Ethyl Benzene	11.966	91	1525274	54.028	ug/l	99
68) m/p-Xylenes	12.071	106	1144476	109.310	ug/l	99
69) o-Xylene	12.401	106	549164	52.787	ug/l	97
70) Styrene	12.413	104	921756	56.910	ug/l	100
71) Bromoform	12.583	173	204624	52.507	ug/l #	99
73) Isopropylbenzene	12.701	105	1469745	53.350	ug/l	99
74) N-amyl acetate	12.495	43	654728	54.907	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	456002	45.688	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	417153m	52.462	ug/l	
77) Bromobenzene	12.983	156	305980	49.581	ug/l	98
78) n-propylbenzene	13.036	91	1767250	55.570	ug/l	100
79) 2-Chlorotoluene	13.130	91	1052349	51.931	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	1261314	54.838	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	152713	52.864	ug/l	99
82) 4-Chlorotoluene	13.224	91	1027085	53.300	ug/l	100
83) tert-Butylbenzene	13.442	119	1039281	53.816	ug/l	100
84) 1,2,4-Trimethylbenzene	13.489	105	1242797	54.145	ug/l	100
85) sec-Butylbenzene	13.618	105	1542023	56.133	ug/l	99
86) p-Isopropyltoluene	13.730	119	1260416	57.134	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	587509	50.371	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	582160	50.166	ug/l	99
89) n-Butylbenzene	14.060	91	1146692	59.250	ug/l	99
90) Hexachloroethane	14.336	117	227138	50.641	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	571174	49.128	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	92725	50.138	ug/l	99
93) 1,2,4-Trichlorobenzene	15.395	180	308098	58.621	ug/l	100
94) Hexachlorobutadiene	15.507	225	150242	51.907	ug/l	99
95) Naphthalene	15.648	128	1037532	50.768	ug/l	100
96) 1,2,3-Trichlorobenzene	15.848	180	297680	56.447	ug/l	100

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

