

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103023\
 Data File : VN079724.D
 Acq On : 30 Oct 2023 15:26
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103023

Quant Time: Oct 31 07:29:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:23:24 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	297044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	513701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	473168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	249184	52.238	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.480%			
35) Dibromofluoromethane	8.165	113	200044	54.498	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.000%			
50) Toluene-d8	10.571	98	762912	55.753	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.500%			
62) 4-Bromofluorobenzene	12.853	95	247872	57.523	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	186060	47.449	ug/l	97
3) Chloromethane	2.365	50	207046	43.585	ug/l	98
4) Vinyl Chloride	2.518	62	228189	44.603	ug/l	98
5) Bromomethane	2.948	94	133675	39.805	ug/l	98
6) Chloroethane	3.118	64	176567	47.113	ug/l	100
7) Trichlorofluoromethane	3.501	101	291451	48.446	ug/l	100
8) Diethyl Ether	3.965	74	106540	48.937	ug/l	68
9) 1,1,2-Trichlorotrifluo...	4.371	101	169694	48.701	ug/l	99
10) Methyl Iodide	4.595	142	191047	54.478	ug/l	99
11) Tert butyl alcohol	5.524	59	131507	207.850	ug/l	99
12) 1,1-Dichloroethene	4.342	96	153804	47.127	ug/l #	84
13) Acrolein	4.183	56	135133	212.320	ug/l	97
14) Allyl chloride	5.024	41	250541	45.776	ug/l	91
15) Acrylonitrile	5.718	53	453634	233.002	ug/l	99
16) Acetone	4.424	43	452917	221.927	ug/l	93
17) Carbon Disulfide	4.712	76	460830	46.239	ug/l	99
18) Methyl Acetate	5.024	43	369845	44.918	ug/l #	84
19) Methyl tert-butyl Ether	5.795	73	526031	47.637	ug/l	95
20) Methylene Chloride	5.283	84	187141	46.307	ug/l #	80
21) trans-1,2-Dichloroethene	5.789	96	180593	48.750	ug/l #	77
22) Diisopropyl ether	6.677	45	604113	49.097	ug/l #	90
23) Vinyl Acetate	6.606	43	1648434	243.332	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	349726	47.432	ug/l	97
25) 2-Butanone	7.483	43	635740	226.780	ug/l #	79
26) 2,2-Dichloropropane	7.494	77	285038	47.775	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	206623	48.444	ug/l	86
28) Bromochloromethane	7.812	49	200161	55.501	ug/l #	74
29) Tetrahydrofuran	7.841	42	404966	236.459	ug/l #	75
30) Chloroform	7.971	83	355293	47.854	ug/l	95
31) Cyclohexane	8.259	56	294839	45.305	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	303186	47.106	ug/l	94
36) 1,1-Dichloropropene	8.377	75	268462	49.300	ug/l	95
37) Ethyl Acetate	7.559	43	245830	45.545	ug/l #	91
38) Carbon Tetrachloride	8.365	117	264775	48.758	ug/l	98
39) Methylcyclohexane	9.606	83	270496	49.939	ug/l #	89
40) Benzene	8.606	78	792561	49.314	ug/l	98

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41) Methacrylonitrile	7.783	41	133914	47.569	ug/l #	85
42) 1,2-Dichloroethane	8.671	62	280217	48.005	ug/l	98
43) Isopropyl Acetate	8.688	43	403630	46.776	ug/l #	91
44) Trichloroethene	9.353	130	188718	48.474	ug/l	98
45) 1,2-Dichloropropane	9.624	63	207086	48.513	ug/l	98
46) Dibromomethane	9.712	93	139190	48.347	ug/l	96
47) Bromodichloromethane	9.894	83	279935	48.470	ug/l	95
48) Methyl methacrylate	9.682	41	194437	48.603	ug/l #	82
49) 1,4-Dioxane	9.700	88	68110	967.494	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	1285467	239.421	ug/l	89
52) Toluene	10.635	92	489016	49.840	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	291818	50.036	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	322086	50.478	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	189129	48.740	ug/l	97
56) Ethyl methacrylate	10.877	69	281899	51.441	ug/l #	83
57) 1,3-Dichloropropane	11.165	76	334704	49.289	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	551887	273.353	ug/l	90
59) 2-Hexanone	11.200	43	948895	240.360	ug/l	87
60) Dibromochloromethane	11.365	129	200863	50.025	ug/l	100
61) 1,2-Dibromoethane	11.471	107	187964	48.620	ug/l	97
64) Tetrachloroethene	11.106	164	159568	47.538	ug/l	97
65) Chlorobenzene	11.894	112	499666	47.710	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	185825	47.752	ug/l	97
67) Ethyl Benzene	11.965	91	938436	50.863	ug/l	97
68) m/p-Xylenes	12.076	106	699842	102.554	ug/l	93
69) o-Xylene	12.400	106	333966	50.894	ug/l	92
70) Styrene	12.412	104	561770	53.443	ug/l	98
71) Bromoform	12.582	173	131258	47.092	ug/l #	100
73) Isopropylbenzene	12.700	105	863428	46.475	ug/l	99
74) N-amyl acetate	12.500	43	331753	44.896	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.941	83	272713	41.463	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	244580m	43.914	ug/l	
77) Bromobenzene	12.982	156	196935	45.076	ug/l	95
78) n-propylbenzene	13.041	91	1031401	48.195	ug/l	97
79) 2-Chlorotoluene	13.129	91	607142	45.512	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	713677	47.127	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	81814	44.311	ug/l #	82
82) 4-Chlorotoluene	13.223	91	601772	46.964	ug/l	99
83) tert-Butylbenzene	13.441	119	569837	45.913	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	710724	48.647	ug/l	100
85) sec-Butylbenzene	13.618	105	805819	46.547	ug/l	100
86) p-Isopropyltoluene	13.735	119	668564	48.488	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	348398	47.136	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	337436	45.828	ug/l	98
89) n-Butylbenzene	14.059	91	547169	49.948	ug/l	98
90) Hexachloroethane	14.335	117	123101	42.254	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	329290	45.805	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	42864	42.258	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	103084	48.107	ug/l	95
94) Hexachlorobutadiene	15.506	225	78358	41.214	ug/l	98
95) Naphthalene	15.647	128	261735	42.074	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	106659	44.574	ug/l	97

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

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