

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103023\
 Data File : VN079718.D
 Acq On : 30 Oct 2023 10:58
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Oct 31 07:09:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:05:58 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	8.229	168	295733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	522875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	466703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	90567	19.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.140%#		
35) Dibromofluoromethane	8.171	113	72562	19.421	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.840%#		
50) Toluene-d8	10.571	98	266836	19.158	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.320%#		
62) 4-Bromofluorobenzene	12.853	95	83439	19.024	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	38.040%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.130	85	81731	20.935	ug/l	99
3) Chloromethane	2.365	50	95563	20.206	ug/l	98
4) Vinyl Chloride	2.518	62	102038	20.033	ug/l	95
5) Bromomethane	2.959	94	69927	20.915	ug/l	99
6) Chloroethane	3.124	64	74367	19.931	ug/l	100
7) Trichlorofluoromethane	3.500	101	121438	20.275	ug/l	96
8) Diethyl Ether	3.965	74	44180	20.383	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.371	101	70130	20.216	ug/l	98
10) Methyl Iodide	4.589	142	69809	19.995	ug/l	98
11) Tert butyl alcohol	5.524	59	62197	98.740	ug/l	100
12) 1,1-Dichloroethene	4.342	96	64507	19.853	ug/l	87
13) Acrolein	4.183	56	59900	94.532	ug/l	98
14) Allyl chloride	5.030	41	111858	20.528	ug/l #	92
15) Acrylonitrile	5.724	53	194816	100.508	ug/l	98
16) Acetone	4.436	43	196152	96.539	ug/l	92
17) Carbon Disulfide	4.712	76	195248	19.678	ug/l	99
18) Methyl Acetate	5.030	43	166733	20.340	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	222395	20.229	ug/l	98
20) Methylene Chloride	5.289	84	78244	19.447	ug/l	89
21) trans-1,2-Dichloroethene	5.794	96	72753	19.726	ug/l #	82
22) Diisopropyl ether	6.677	45	247537	20.207	ug/l #	91
23) Vinyl Acetate	6.612	43	676565	100.313	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	144146	19.637	ug/l	98
25) 2-Butanone	7.488	43	278476	99.778	ug/l #	77
26) 2,2-Dichloropropane	7.494	77	117973	19.861	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	83665	19.703	ug/l	85
28) Bromochloromethane	7.824	49	70129	19.532	ug/l #	75
29) Tetrahydrofuran	7.841	42	176687	103.625	ug/l #	75
30) Chloroform	7.965	83	148675	20.114	ug/l	94
31) Cyclohexane	8.265	56	123113	19.001	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	127248	19.858	ug/l	94
36) 1,1-Dichloropropene	8.377	75	109010	19.667	ug/l	95
37) Ethyl Acetate	7.565	43	109133	19.864	ug/l #	92
38) Carbon Tetrachloride	8.371	117	109943	19.891	ug/l	95
39) Methylcyclohexane	9.606	83	106642	19.343	ug/l #	86
40) Benzene	8.612	78	323106	19.751	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	57999	20.241	ug/l #	84
42) 1,2-Dichloroethane	8.677	62	117318	19.745	ug/l	98
43) Isopropyl Acetate	8.694	43	174824	19.905	ug/l #	90
44) Trichloroethene	9.353	130	77063	19.447	ug/l	96
45) 1,2-Dichloropropane	9.624	63	85579	19.696	ug/l	97
46) Dibromomethane	9.712	93	58073	19.818	ug/l	97
47) Bromodichloromethane	9.894	83	116788	19.867	ug/l	99
48) Methyl methacrylate	9.682	41	81382	19.986	ug/l #	81
49) 1,4-Dioxane	9.700	88	30200	421.460	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	548079	100.290	ug/l	89
52) Toluene	10.635	92	202714	20.298	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	117683	19.824	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	128855	19.840	ug/l #	89
55) 1,1,2-Trichloroethane	11.018	97	76385	19.340	ug/l	97
56) Ethyl methacrylate	10.876	69	110526	19.815	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	137327	19.868	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	198669	96.675	ug/l	89
59) 2-Hexanone	11.200	43	400711	99.721	ug/l	87
60) Dibromochloromethane	11.365	129	80658	19.735	ug/l	99
61) 1,2-Dibromoethane	11.470	107	75388	19.158	ug/l	100
64) Tetrachloroethene	11.106	164	65791	19.872	ug/l	97
65) Chlorobenzene	11.894	112	203085	19.660	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	76239	19.863	ug/l	97
67) Ethyl Benzene	11.970	91	359331	19.745	ug/l	97
68) m/p-Xylenes	12.076	106	273471	40.629	ug/l	95
69) o-Xylene	12.400	106	129544	20.015	ug/l	93
70) Styrene	12.417	104	207539	20.018	ug/l	97
71) Bromoform	12.582	173	55100	20.042	ug/l #	98
73) Isopropylbenzene	12.700	105	333056	20.209	ug/l	99
74) N-amyl acetate	12.500	43	128323	19.577	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	111582	19.125	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	92670m	19.382	ug/l	
77) Bromobenzene	12.982	156	78566	20.272	ug/l	94
78) n-propylbenzene	13.041	91	381975	20.121	ug/l	98
79) 2-Chlorotoluene	13.129	91	237105	20.036	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	270835	20.161	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	31831	19.434	ug/l #	81
82) 4-Chlorotoluene	13.223	91	228035	20.062	ug/l	99
83) tert-Butylbenzene	13.441	119	216839	19.695	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	263059	20.298	ug/l	100
85) sec-Butylbenzene	13.623	105	304699	19.841	ug/l	100
86) p-Isopropyltoluene	13.735	119	245738	20.091	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	132005	20.133	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	130615	19.997	ug/l	100
89) n-Butylbenzene	14.059	91	190797	19.634	ug/l	97
90) Hexachloroethane	14.335	117	49898	19.308	ug/l	87
91) 1,2-Dichlorobenzene	14.111	146	129305	20.276	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	18683	20.763	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	38803	20.414	ug/l	99
94) Hexachlorobutadiene	15.506	225	32847	19.476	ug/l	98
95) Naphthalene	15.647	128	107739	19.524	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	44454	20.943	ug/l	98

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

