

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076919.D
 Acq On : 10 Mar 2023 12:34
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Mar 10 13:15:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 11:43:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/13/2023
 Supervised By : Mahesh Dadoda 03/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	408798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	686589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	603683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	275211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	123119	21.481	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.960%#		
35) Dibromofluoromethane	8.172	113	87997	20.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.980%#		
50) Toluene-d8	10.572	98	339787	20.534	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.060%#		
62) 4-Bromofluorobenzene	12.854	95	123833	21.596	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	43.200%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	156609	32.923	ug/l	97
3) Chloromethane	2.378	50	76039	12.154	ug/l	99
4) Vinyl Chloride	2.531	62	73260	12.775	ug/l	98
5) Bromomethane	2.972	94	52203	13.854	ug/l	98
6) Chloroethane	3.137	64	46295	11.858	ug/l	95
7) Trichlorofluoromethane	3.513	101	190366	22.751	ug/l	100
8) Diethyl Ether	3.972	74	60046	18.656	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.390	101	98127	20.057	ug/l	99
10) Methyl Iodide	4.601	142	103344	20.253	ug/l #	88
11) Tert butyl alcohol	5.531	59	83598	98.223	ug/l	98
12) 1,1-Dichloroethene	4.360	96	89265	19.567	ug/l	97
13) Acrolein	4.195	56	74288	67.471	ug/l	98
14) Allyl chloride	5.042	41	127149	16.694	ug/l #	87
15) Acrylonitrile	5.731	53	231916	84.730	ug/l	99
16) Acetone	4.443	43	202822	81.070	ug/l	94
17) Carbon Disulfide	4.725	76	242504	19.581	ug/l	98
18) Methyl Acetate	5.042	43	149818	17.476	ug/l #	88
19) Methyl tert-butyl Ether	5.807	73	325596	20.814	ug/l	100
20) Methylene Chloride	5.295	84	101477	17.385	ug/l	91
21) trans-1,2-Dichloroethene	5.801	96	96108	19.484	ug/l	87
22) Diisopropyl ether	6.678	45	288867	16.858	ug/l #	94
23) Vinyl Acetate	6.613	43	902376	82.677	ug/l #	92
24) 1,1-Dichloroethane	6.584	63	179450	18.365	ug/l	97
25) 2-Butanone	7.489	43	301383	82.467	ug/l	89
26) 2,2-Dichloropropane	7.495	77	156871	21.923	ug/l	95
27) cis-1,2-Dichloroethene	7.495	96	110858	19.185	ug/l	89
28) Bromochloromethane	7.819	49	66371	16.063	ug/l	89
29) Tetrahydrofuran	7.848	42	193342	82.009	ug/l	86
30) Chloroform	7.978	83	193622	19.952	ug/l	97
31) Cyclohexane	8.266	56	177871	18.371	ug/l	85
32) 1,1,1-Trichloroethane	8.178	97	181860	21.640	ug/l	96
36) 1,1-Dichloropropene	8.378	75	141396	20.482	ug/l	94
37) Ethyl Acetate	7.566	43	123592	17.442	ug/l	94
38) Carbon Tetrachloride	8.372	117	162680	23.197	ug/l	98
39) Methylcyclohexane	9.607	83	178546	20.983	ug/l #	89
40) Benzene	8.613	78	412110	19.597	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	66579	17.206	ug/l	87
42) 1,2-Dichloroethane	8.678	62	159281	21.744	ug/l	94
43) Isopropyl Acetate	8.695	43	198419	18.291	ug/l	93
44) Trichloroethene	9.354	130	101703	20.398	ug/l	98
45) 1,2-Dichloropropane	9.625	63	102264	18.819	ug/l	98
46) Dibromomethane	9.713	93	70635	20.465	ug/l	96
47) Bromodichloromethane	9.889	83	150395	21.196	ug/l	98
48) Methyl methacrylate	9.683	41	96743	18.353	ug/l	85
49) 1,4-Dioxane	9.695	88	37559	388.755	ug/l	88
51) 4-Methyl-2-Pentanone	10.448	43	605303	88.464	ug/l	95
52) Toluene	10.636	92	258030	20.607	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	149991	21.807	ug/l	100
54) cis-1,3-Dichloropropene	10.319	75	165859	20.994	ug/l	93
55) 1,1,2-Trichloroethane	11.019	97	97193	19.513	ug/l	95
56) Ethyl methacrylate	10.877	69	151575	20.424	ug/l #	86
57) 1,3-Dichloropropane	11.166	76	172333	19.927	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.166	63	238967	92.931	ug/l	95
59) 2-Hexanone	11.195	43	449376	90.635	ug/l	91
60) Dibromochloromethane	11.360	129	111972	22.813	ug/l	95
61) 1,2-Dibromoethane	11.471	107	98291	20.531	ug/l	97
64) Tetrachloroethene	11.107	164	97245	21.646	ug/l	97
65) Chlorobenzene	11.895	112	263517	20.199	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.966	131	104038	22.045	ug/l	97
67) Ethyl Benzene	11.966	91	504087	21.280	ug/l	95
68) m/p-Xylenes	12.071	106	378171	42.431	ug/l	89
69) o-Xylene	12.401	106	182689	20.815	ug/l	81
70) Styrene	12.413	104	305812	22.224	ug/l	94
71) Bromoform	12.583	173	76272	23.744	ug/l #	97
73) Isopropylbenzene	12.701	105	498487	20.780	ug/l	95
74) N-amyl acetate	12.495	43	160554	17.113	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.942	83	141416	18.394	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	143813m	20.720	ug/l	
77) Bromobenzene	12.983	156	108295	20.400	ug/l	94
78) n-propylbenzene	13.036	91	561663	20.531	ug/l	96
79) 2-Chlorotoluene	13.124	91	356895	20.337	ug/l	91
80) 1,3,5-Trimethylbenzene	13.177	105	437130	21.741	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.742	75	41275	19.613	ug/l	90
82) 4-Chlorotoluene	13.224	91	341668	20.537	ug/l	91
83) tert-Butylbenzene	13.442	119	365352	21.265	ug/l	91
84) 1,2,4-Trimethylbenzene	13.483	105	436138	21.991	ug/l	92
85) sec-Butylbenzene	13.618	105	503693	20.998	ug/l	96
86) p-Isopropyltoluene	13.730	119	413536	21.553	ug/l	95
87) 1,3-Dichlorobenzene	13.736	146	194141	20.029	ug/l	97
88) 1,4-Dichlorobenzene	13.813	146	187620	19.063	ug/l	96
89) n-Butylbenzene	14.060	91	329591	19.884	ug/l	97
90) Hexachloroethane	14.336	117	73306	21.146	ug/l	87
91) 1,2-Dichlorobenzene	14.107	146	197484	20.113	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.724	75	29803	20.458	ug/l	86
93) 1,2,4-Trichlorobenzene	15.395	180	103550	21.081	ug/l	98
94) Hexachlorobutadiene	15.507	225	57657	22.544	ug/l	97
95) Naphthalene	15.642	128	332247	21.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	106315	22.021	ug/l	99

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

