

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040523\
 Data File : VN077256.D
 Acq On : 05 Apr 2023 11:39
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/06/2023
 Supervised By : Mahesh Dadoda 04/06/2023

Quant Time: Apr 05 11:59:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 05 11:06:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	526030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1002197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	875612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	345716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	70028	12.931	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	25.860%#		
35) Dibromofluoromethane	8.172	113	62600	10.122	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.240%#		
50) Toluene-d8	10.572	98	250755	11.212	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	22.420%#		
62) 4-Bromofluorobenzene	12.854	95	77896	10.522	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	21.040%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	71158	26.471	ug/l	92
3) Chloromethane	2.372	50	84629	24.396	ug/l	92
4) Vinyl Chloride	2.525	62	114724	30.344	ug/l #	88
5) Bromomethane	2.960	94	79611	29.288	ug/l	93
6) Chloroethane	3.131	64	75786	23.973	ug/l	99
7) Trichlorofluoromethane	3.507	101	103002	12.026	ug/l	90
8) Diethyl Ether	3.972	74	41252	12.506	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.378	101	60723	11.874	ug/l	92
10) Methyl Iodide	4.601	142	72499	11.562	ug/l	92
11) Tert butyl alcohol	5.531	59	70293	79.999	ug/l #	85
12) 1,1-Dichloroethene	4.354	96	62139	13.141	ug/l	87
13) Acrolein	4.190	56	67015	71.876	ug/l	98
14) Allyl chloride	5.031	41	86170	10.514	ug/l #	80
15) Acrylonitrile	5.731	53	156261	54.085	ug/l	97
16) Acetone	4.437	43	136409	50.660	ug/l	92
17) Carbon Disulfide	4.719	76	166922	13.259	ug/l	96
18) Methyl Acetate	5.031	43	102106	10.083	ug/l #	88
19) Methyl tert-butyl Ether	5.801	73	221096	13.972	ug/l	96
20) Methylene Chloride	5.290	84	71850	11.920	ug/l #	94
21) trans-1,2-Dichloroethene	5.796	96	67851	13.122	ug/l #	83
22) Diisopropyl ether	6.678	45	188287	10.863	ug/l #	91
23) Vinyl Acetate	6.613	43	630983	60.664	ug/l	95
24) 1,1-Dichloroethane	6.584	63	120389	11.824	ug/l	98
25) 2-Butanone	7.495	43	210510	54.998	ug/l	90
26) 2,2-Dichloropropane	7.501	77	113084	15.012	ug/l	96
27) cis-1,2-Dichloroethene	7.495	96	81497	13.179	ug/l	92
28) Bromochloromethane	7.825	49	47591	10.711	ug/l	98
29) Tetrahydrofuran	7.848	42	135087	56.133	ug/l #	81
30) Chloroform	7.972	83	129362	12.898	ug/l	94
31) Cyclohexane	8.266	56	113040	11.834	ug/l #	83
32) 1,1,1-Trichloroethane	8.172	97	114055	13.480	ug/l	97
36) 1,1-Dichloropropene	8.378	75	94576	10.417	ug/l	97
37) Ethyl Acetate	7.566	43	84632	9.291	ug/l #	90
38) Carbon Tetrachloride	8.372	117	99909	10.732	ug/l	94
39) Methylcyclohexane	9.607	83	129237	11.606	ug/l #	87
40) Benzene	8.613	78	296326	10.396	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.790	41	43594	8.756	ug/l #	87
42) 1,2-Dichloroethane	8.678	62	91929	9.856	ug/l	97
43) Isopropyl Acetate	8.695	43	157610	11.030	ug/l #	97
44) Trichloroethene	9.360	130	70502	9.559	ug/l	97
45) 1,2-Dichloropropane	9.625	63	73080	9.638	ug/l	99
46) Dibromomethane	9.713	93	51712	10.727	ug/l #	81
47) Bromodichloromethane	9.889	83	106394	11.209	ug/l	99
48) Methyl methacrylate	9.689	41	66808	9.693	ug/l #	81
49) 1,4-Dioxane	9.701	88	32574	248.434	ug/l #	79
51) 4-Methyl-2-Pentanone	10.448	43	450021	49.739	ug/l	96
52) Toluene	10.636	92	190083	11.025	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	113030	12.073	ug/l	98
54) cis-1,3-Dichloropropene	10.319	75	122456	11.259	ug/l	99
55) 1,1,2-Trichloroethane	11.019	97	77610	10.882	ug/l	90
56) Ethyl methacrylate	10.878	69	116207	11.770	ug/l #	91
57) 1,3-Dichloropropane	11.166	76	123732	10.213	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.166	63	169817	49.758	ug/l	96
59) 2-Hexanone	11.195	43	332146	50.586	ug/l	96
60) Dibromochloromethane	11.360	129	76168	10.279	ug/l	93
61) 1,2-Dibromoethane	11.472	107	73659	10.638	ug/l	100
64) Tetrachloroethene	11.107	164	55844	8.710	ug/l #	87
65) Chlorobenzene	11.895	112	196572	10.633	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.966	131	73361	10.355	ug/l	98
67) Ethyl Benzene	11.966	91	361287	11.592	ug/l	97
68) m/p-Xylenes	12.072	106	274447	22.640	ug/l	97
69) o-Xylene	12.401	106	138740	11.869	ug/l	98
70) Styrene	12.413	104	220258	11.835	ug/l	99
71) Bromoform	12.583	173	51713	9.299	ug/l #	96
73) Isopropylbenzene	12.701	105	347938	13.496	ug/l	100
74) N-amyl acetate	12.495	43	129841	13.661	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.942	83	109136	12.173	ug/l	99
76) 1,2,3-Trichloropropane	13.001	75	90506m	11.713	ug/l	
77) Bromobenzene	12.983	156	71093	10.298	ug/l	86
78) n-propylbenzene	13.036	91	374578	13.176	ug/l	100
79) 2-Chlorotoluene	13.130	91	230534	12.607	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	277833	13.407	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.736	75	38255m	14.155	ug/l	
82) 4-Chlorotoluene	13.224	91	206982	12.046	ug/l	97
83) tert-Butylbenzene	13.442	119	252823	13.391	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	273366	13.508	ug/l	96
85) sec-Butylbenzene	13.619	105	342151	13.422	ug/l	96
86) p-Isopropyltoluene	13.730	119	266534	12.820	ug/l	97
87) 1,3-Dichlorobenzene	13.736	146	129365	10.680	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	123999	10.376	ug/l	95
89) n-Butylbenzene	14.060	91	204546	12.283	ug/l	99
90) Hexachloroethane	14.336	117	57735	13.349	ug/l	67
91) 1,2-Dichlorobenzene	14.107	146	125464	10.546	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.718	75	19679	13.138	ug/l	85
93) 1,2,4-Trichlorobenzene	15.371	180	39442	8.520	ug/l	93
94) Hexachlorobutadiene	15.465	225	26096	6.590	ug/l	93
95) Naphthalene	15.589	128	149897	12.180	ug/l	99
96) 1,2,3-Trichlorobenzene	15.754	180	38960	8.570	ug/l	97

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

