

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033123\
 Data File : VN077245.D
 Acq On : 31 Mar 2023 10:45
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Mar 31 22:57:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 31 22:50:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/03/2023
 Supervised By : Mahesh Dadoda 04/03/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	616165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	950320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	854589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	361280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	37356	5.889	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.780%#		
35) Dibromofluoromethane	8.166	113	31850	5.698	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.400%#		
50) Toluene-d8	10.572	98	117365	5.534	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	11.060%#		
62) 4-Bromofluorobenzene	12.854	95	35978	5.125	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.240%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	16278	5.170	ug/l	94
3) Chloromethane	2.372	50	22527	5.544	ug/l	98
4) Vinyl Chloride	2.525	62	23381	5.279	ug/l	99
5) Bromomethane	2.948	94	17774	5.582	ug/l	92
6) Chloroethane	3.119	64	19248	5.198	ug/l	95
7) Trichlorofluoromethane	3.507	101	51049	5.088	ug/l	97
8) Diethyl Ether	3.966	74	18853	4.880	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.390	101	31604	5.276	ug/l	98
10) Methyl Iodide	4.601	142	34908	4.753	ug/l	95
11) Tert butyl alcohol	5.537	59	24372	23.680	ug/l #	93
12) 1,1-Dichloroethene	4.348	96	27845	5.027	ug/l	98
13) Acrolein	4.190	56	30189	27.642	ug/l	98
14) Allyl chloride	5.025	41	47503	4.948	ug/l	97
15) Acrylonitrile	5.725	53	82465	24.367	ug/l	99
16) Acetone	4.437	43	82844	26.266	ug/l	99
17) Carbon Disulfide	4.719	76	75886	5.146	ug/l	99
18) Methyl Acetate	5.042	43	55950	4.717	ug/l	100
19) Methyl tert-butyl Ether	5.801	73	90845	4.901	ug/l	99
20) Methylene Chloride	5.284	84	36386	5.154	ug/l	95
21) trans-1,2-Dichloroethene	5.795	96	31137	5.141	ug/l	98
22) Diisopropyl ether	6.678	45	100647	4.957	ug/l	93
23) Vinyl Acetate	6.613	43	285603	23.442	ug/l	99
24) 1,1-Dichloroethane	6.578	63	59919	5.024	ug/l	99
25) 2-Butanone	7.489	43	114218	25.476	ug/l	98
26) 2,2-Dichloropropane	7.495	77	43853	4.970	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	35987	4.968	ug/l	98
28) Bromochloromethane	7.813	49	24550	4.717	ug/l	94
29) Tetrahydrofuran	7.848	42	68166	24.182	ug/l	99
30) Chloroform	7.972	83	59498	5.064	ug/l	90
31) Cyclohexane	8.260	56	63250	5.653	ug/l	97
32) 1,1,1-Trichloroethane	8.172	97	48261	4.870	ug/l	90
36) 1,1-Dichloropropene	8.372	75	42930	4.987	ug/l	99
37) Ethyl Acetate	7.572	43	41694	4.827	ug/l #	94
38) Carbon Tetrachloride	8.366	117	43401	4.916	ug/l	95
39) Methylcyclohexane	9.607	83	52555	4.977	ug/l	97
40) Benzene	8.613	78	137150	5.074	ug/l	98

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Quant Time: Mar 31 22:57:57 2023
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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.778	41	22540m	4.661	ug/l	
42) 1,2-Dichloroethane	8.672	62	44692	5.053	ug/l	99
43) Isopropyl Acetate	8.695	43	64292	4.745	ug/l	98
44) Trichloroethene	9.354	130	34990	5.003	ug/l	98
45) 1,2-Dichloropropane	9.625	63	35715	4.967	ug/l	97
46) Dibromomethane	9.713	93	22482	4.918	ug/l	98
47) Bromodichloromethane	9.889	83	44051	4.894	ug/l	98
48) Methyl methacrylate	9.683	41	30292	4.635	ug/l	97
49) 1,4-Dioxane	9.701	88	11819	95.061	ug/l	95
51) 4-Methyl-2-Pentanone	10.448	43	214193	24.966	ug/l	96
52) Toluene	10.630	92	83825	5.127	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	41991	4.730	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	49886	4.837	ug/l	96
55) 1,1,2-Trichloroethane	11.019	97	33217	4.912	ug/l	93
56) Ethyl methacrylate	10.877	69	43713	4.669	ug/l	97
57) 1,3-Dichloropropane	11.166	76	57866	5.037	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	75875	23.446	ug/l	98
59) 2-Hexanone	11.201	43	152698	24.525	ug/l	97
60) Dibromochloromethane	11.360	129	33296	4.739	ug/l	97
61) 1,2-Dibromoethane	11.471	107	33096	5.041	ug/l	98
64) Tetrachloroethene	11.107	164	31614	5.052	ug/l	96
65) Chlorobenzene	11.895	112	89452	4.958	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.960	131	33087	4.785	ug/l	97
67) Ethyl Benzene	11.966	91	146673	4.822	ug/l	97
68) m/p-Xylenes	12.071	106	114089	9.643	ug/l	97
69) o-Xylene	12.401	106	54238	4.754	ug/l	99
70) Styrene	12.413	104	84049	4.627	ug/l	99
71) Bromoform	12.583	173	25628	4.722	ug/l #	99
73) Isopropylbenzene	12.695	105	137419	5.101	ug/l	100
74) N-amyl acetate	12.495	43	46931	4.725	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	47494	5.069	ug/l	96
76) 1,2,3-Trichloropropane	12.995	75	42436m	5.576	ug/l	
77) Bromobenzene	12.983	156	36765	5.096	ug/l	99
78) n-propylbenzene	13.036	91	148409	4.995	ug/l	98
79) 2-Chlorotoluene	13.124	91	96463	5.048	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	109333	5.049	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.742	75	13852	5.512	ug/l	93
82) 4-Chlorotoluene	13.224	91	89883	5.006	ug/l	99
83) tert-Butylbenzene	13.442	119	99523	5.044	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	101483	4.799	ug/l	100
85) sec-Butylbenzene	13.618	105	131858	4.950	ug/l	99
86) p-Isopropyltoluene	13.730	119	104480	4.809	ug/l	98
87) 1,3-Dichlorobenzene	13.736	146	63148	4.989	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	62785	5.027	ug/l	97
89) n-Butylbenzene	14.060	91	77171	4.435	ug/l	98
90) Hexachloroethane	14.336	117	22311	4.936	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	61017	4.908	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.724	75	7024	4.487	ug/l	98
93) 1,2,4-Trichlorobenzene	15.371	180	17330	3.582	ug/l	96
94) Hexachlorobutadiene	15.465	225	20274	4.899	ug/l	99
95) Naphthalene	15.589	128	37530	2.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.754	180	17247	3.631	ug/l	95

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

