

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120221\
 Data File : VN069701.D
 Acq On : 2 Dec 2021 18:04
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 03 07:47:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 07:46:09 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/03/2021
 Supervised By : Mahesh Dadoda 12/06/2021

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1101138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1844416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1683988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	587330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	81307	4.905	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	9.820%#		
35) Dibromofluoromethane	8.024	113	52642	4.619	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	9.240%#		
50) Toluene-d8	10.440	98	215173	4.806	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	9.620%#		
62) 4-Bromofluorobenzene	12.734	95	70195	4.286	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	8.580%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	54452	4.485	ug/l	97
3) Chloromethane	2.303	50	74232	5.196	ug/l	99
4) Vinyl Chloride	2.446	62	72710	5.183	ug/l	95
5) Bromomethane	2.837	94	44638	4.982	ug/l	98
6) Chloroethane	3.006	64	44965	4.823	ug/l	94
7) Trichlorofluoromethane	3.371	101	96415	4.584	ug/l	98
8) Diethyl Ether	3.824	74	37084	5.244	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.200	101	53916	5.268	ug/l	96
10) Methyl Iodide	4.414	142	64644	4.930	ug/l	98
11) Tert butyl alcohol	5.388	59	73719	24.465	ug/l #	93
12) 1,1-Dichloroethene	4.167	96	50034m	5.382	ug/l	
13) Acrolein	4.039	56	71806	77.509	ug/l	98
14) Allyl chloride	4.835	41	112126	5.426	ug/l	90
15) Acrylonitrile	5.559	53	215512	27.961	ug/l	100
16) Acetone	4.293	43	243778	26.987	ug/l	99
17) Carbon Disulfide	4.524	76	118556	5.266	ug/l	99
18) Methyl Acetate	4.862	43	152553	5.280	ug/l	91
19) Methyl tert-butyl Ether	5.621	73	194653	5.019	ug/l	98
20) Methylene Chloride	5.090	84	68258	5.415	ug/l #	87
21) trans-1,2-Dichloroethene	5.594	96	55623	5.370	ug/l #	83
22) Diisopropyl ether	6.501	45	214739	4.902	ug/l	98
23) Vinyl Acetate	6.436	43	886167	25.850	ug/l	95
24) 1,1-Dichloroethane	6.388	63	116559	5.211	ug/l	97
25) 2-Butanone	7.343	43	336758	27.512	ug/l	90
26) 2,2-Dichloropropane	7.327	77	85992	4.966	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	68596	5.374	ug/l	89
28) Bromochloromethane	7.659	49	56250	4.884	ug/l #	79
29) Tetrahydrofuran	7.691	42	201471	26.919	ug/l	91
30) Chloroform	7.817	83	120207	5.269	ug/l	99
31) Cyclohexane	8.094	56	135293	5.964	ug/l #	86
32) 1,1,1-Trichloroethane	8.013	97	95526	4.997	ug/l	94
36) 1,1-Dichloropropene	8.222	75	82925	5.180	ug/l	97
37) Ethyl Acetate	7.413	43	135317m	6.152	ug/l	
38) Carbon Tetrachloride	8.206	117	81615	5.269	ug/l	96
39) Methylcyclohexane	9.459	83	99335	5.032	ug/l	90
40) Benzene	8.461	78	265089	5.368	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.641	41	56433	4.969	ug/l	91
42) 1,2-Dichloroethane	8.531	62	107973	5.557	ug/l	97
43) Isopropyl Acetate	8.566	43	184959	5.304	ug/l #	93
44) Trichloroethene	9.215	130	63322	5.354	ug/l	99
45) 1,2-Dichloropropane	9.491	63	72253	5.489	ug/l	100
46) Dibromomethane	9.580	93	47683	5.416	ug/l	90
47) Bromodichloromethane	9.765	83	82388	5.015	ug/l	96
48) Methyl methacrylate	9.561	41	84108	5.168	ug/l	90
49) 1,4-Dioxane	9.574	88	32059	109.562	ug/l #	85
51) 4-Methyl-2-Pentanone	10.333	43	622310	27.556	ug/l	95
52) Toluene	10.505	92	163105	5.334	ug/l	97
53) t-1,3-Dichloropropene	10.719	75	78700	4.565	ug/l	96
54) cis-1,3-Dichloropropene	10.191	75	87204	4.635	ug/l #	86
55) 1,1,2-Trichloroethane	10.899	97	66126	5.373	ug/l	96
56) Ethyl methacrylate	10.762	69	100830	4.909	ug/l #	83
57) 1,3-Dichloropropane	11.047	76	113882	5.244	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.044	63	114160	23.426	ug/l	93
59) 2-Hexanone	11.087	43	450434	26.725	ug/l	91
60) Dibromochloromethane	11.240	129	53646	4.636	ug/l	98
61) 1,2-Dibromoethane	11.347	107	66057	5.280	ug/l	98
64) Tetrachloroethene	10.980	164	56431	5.374	ug/l	97
65) Chlorobenzene	11.771	112	172341	5.359	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	57261	5.121	ug/l	98
67) Ethyl Benzene	11.846	91	299478	5.044	ug/l	99
68) m/p-Xylenes	11.956	106	219634	10.097	ug/l	95
69) o-Xylene	12.283	106	109835	5.060	ug/l	93
70) Styrene	12.296	104	164407	4.713	ug/l	96
71) Bromoform	12.460	173	36470	4.530	ug/l #	98
73) Isopropylbenzene	12.581	105	274147	5.703	ug/l	99
74) N-amyl acetate	12.388	43	107210	5.213	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	97837	6.006	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	90697m	5.968	ug/l	
77) Bromobenzene	12.862	156	64468	5.839	ug/l	81
78) n-propylbenzene	12.921	91	286395	5.293	ug/l	95
79) 2-Chlorotoluene	13.007	91	189528	5.644	ug/l	94
80) 1,3,5-Trimethylbenzene	13.061	105	214156	5.505	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	18357	4.298	ug/l #	73
82) 4-Chlorotoluene	13.106	91	173564	5.428	ug/l	93
83) tert-Butylbenzene	13.326	119	190306	5.586	ug/l	92
84) 1,2,4-Trimethylbenzene	13.372	105	205167	5.469	ug/l	97
85) sec-Butylbenzene	13.503	105	250216	5.275	ug/l	96
86) p-Isopropyltoluene	13.619	119	194485	5.179	ug/l	95
87) 1,3-Dichlorobenzene	13.619	146	99738	5.260	ug/l	96
88) 1,4-Dichlorobenzene	13.696	146	96651	5.207	ug/l	90
89) n-Butylbenzene	13.943	91	143576	4.608	ug/l	98
90) Hexachloroethane	14.211	117	31639	5.075	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	98993	5.476	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.606	75	14745	5.513	ug/l	79
93) 1,2,4-Trichlorobenzene	15.265	180	34220	4.320	ug/l	93
94) Hexachlorobutadiene	15.370	225	27030	5.738	ug/l	97
95) Naphthalene	15.509	128	89532	4.143	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	36105	4.723	ug/l	99

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

