

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072921\
 Data File : VN067958.D
 Acq On : 29 Jul 2021 10:31
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 7:29:53 PM

Quant Time: Jul 29 14:36:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 14:33:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	351670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	652062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	596189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	246235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	95370	17.977	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	35.960%#		
35) Dibromofluoromethane	8.024	113	69300	17.611	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	35.220%#		
50) Toluene-d8	10.443	98	279509	17.109	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	34.220%#		
62) 4-Bromofluorobenzene	12.734	95	93188	16.277	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	32.560%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	69159	22.231	ug/l	100
3) Chloromethane	2.303	50	86591	18.175	ug/l	99
4) Vinyl Chloride	2.443	62	137051	18.943	ug/l	97
5) Bromomethane	2.853	94	114466	19.150	ug/l	99
6) Chloroethane	3.017	64	105425	19.579	ug/l	99
7) Trichlorofluoromethane	3.371	101	243667	18.221	ug/l	100
8) Diethyl Ether	3.821	74	47025	17.114	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.202	101	69042	20.626	ug/l	97
10) Methyl Iodide	4.422	142	79718	19.962	ug/l	92
11) Tert butyl alcohol	5.388	59	63811	84.344	ug/l	99
12) 1,1-Dichloroethene	4.173	96	64267	20.090	ug/l	86
13) Acrolein	4.041	56	46761	106.785	ug/l	98
14) Allyl chloride	4.841	41	104872	18.143	ug/l	91
15) Acrylonitrile	5.559	53	176619	92.902	ug/l	99
16) Acetone	4.291	43	163534	96.618	ug/l	95
17) Carbon Disulfide	4.524	76	175891	19.850	ug/l	98
18) Methyl Acetate	4.857	43	82890	17.652	ug/l	96
19) Methyl tert-butyl Ether	5.624	73	240088	18.487	ug/l	99
20) Methylene Chloride	5.098	84	78697	17.555	ug/l	90
21) trans-1,2-Dichloroethene	5.597	96	72940	19.508	ug/l	89
22) Diisopropyl ether	6.498	45	240948	18.513	ug/l	96
23) Vinyl Acetate	6.436	43	1007198	90.621	ug/l	96
24) 1,1-Dichloroethane	6.385	63	139511	19.074	ug/l	99
25) 2-Butanone	7.340	43	248570	89.853	ug/l	94
26) 2,2-Dichloropropane	7.324	77	120362	18.835	ug/l	95
27) cis-1,2-Dichloroethene	7.327	96	86508	18.640	ug/l	88
28) Bromochloromethane	7.659	49	68761	19.238	ug/l #	84
29) Tetrahydrofuran	7.691	42	162686	89.618	ug/l	92
30) Chloroform	7.820	83	152975	18.714	ug/l	98
31) Cyclohexane	8.094	56	130572	17.488	ug/l	87
32) 1,1,1-Trichloroethane	8.013	97	135318	19.095	ug/l	98
36) 1,1-Dichloropropene	8.223	75	109888	18.068	ug/l	95
37) Ethyl Acetate	7.418	43	103182	17.544	ug/l	99
38) Carbon Tetrachloride	8.206	117	112647	18.785	ug/l	96
39) Methylcyclohexane	9.462	83	119435	17.908	ug/l	93
40) Benzene	8.459	78	338111	18.602	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.641	41	50024	16.795	ug/l	90
42) 1,2-Dichloroethane	8.534	62	126540	18.786	ug/l	96
43) Isopropyl Acetate	8.566	43	175279	17.078	ug/l	97
44) Trichloroethene	9.218	130	83031	17.975	ug/l	90
45) 1,2-Dichloropropane	9.491	63	83395	18.178	ug/l	97
46) Dibromomethane	9.580	93	61009	18.726	ug/l	97
47) Bromodichloromethane	9.765	83	118299	18.545	ug/l	99
48) Methyl methacrylate	9.563	41	74948	16.490	ug/l	87
49) 1,4-Dioxane	9.572	88	26506	340.796	ug/l	91
51) 4-Methyl-2-Pentanone	10.333	43	541458	85.943	ug/l	97
52) Toluene	10.508	92	218376	18.415	ug/l	97
53) t-1,3-Dichloropropene	10.722	75	118130	18.149	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	128193	18.134	ug/l	90
55) 1,1,2-Trichloroethane	10.902	97	82204	18.179	ug/l	98
56) Ethyl methacrylate	10.762	69	120629	17.378	ug/l	92
57) 1,3-Dichloropropane	11.047	76	136324	17.559	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.044	63	98769	70.496	ug/l	92
59) 2-Hexanone	11.087	43	377792	86.146	ug/l	96
60) Dibromochloromethane	11.240	129	81683	17.890	ug/l	99
61) 1,2-Dibromoethane	11.347	107	84266	18.220	ug/l	100
64) Tetrachloroethene	10.980	164	82944	19.489	ug/l	97
65) Chlorobenzene	11.773	112	225908	18.513	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.846	131	82179	19.155	ug/l	99
67) Ethyl Benzene	11.849	91	409692	18.401	ug/l	97
68) m/p-Xylenes	11.956	106	309027	36.747	ug/l	87
69) o-Xylene	12.283	106	150033	18.157	ug/l	89
70) Styrene	12.296	104	243474	18.453	ug/l	93
71) Bromoform	12.460	173	52559	18.448	ug/l #	98
73) Isopropylbenzene	12.581	105	380030	19.043	ug/l	98
74) N-amyl acetate	12.390	43	129046	17.844	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.830	83	118729	20.502	ug/l	99
76) 1,2,3-Trichloropropane	12.884	75	92901m	18.390	ug/l	
77) Bromobenzene	12.862	156	86065	19.685	ug/l	78
78) n-propylbenzene	12.924	91	435007	19.248	ug/l	96
79) 2-Chlorotoluene	13.010	91	264355	19.376	ug/l	90
80) 1,3,5-Trimethylbenzene	13.061	105	317552	19.563	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.629	75	28369	18.053	ug/l	99
82) 4-Chlorotoluene	13.106	91	260071	19.231	ug/l	92
83) tert-Butylbenzene	13.326	119	258180	18.778	ug/l	90
84) 1,2,4-Trimethylbenzene	13.372	105	310919	19.575	ug/l	94
85) sec-Butylbenzene	13.503	105	360950	18.881	ug/l	98
86) p-Isopropyltoluene	13.619	119	289436	18.786	ug/l	94
87) 1,3-Dichlorobenzene	13.619	146	152819	18.739	ug/l	96
88) 1,4-Dichlorobenzene	13.696	146	150139	18.042	ug/l	96
89) n-Butylbenzene	13.946	91	232144	17.603	ug/l	99
90) Hexachloroethane	14.211	117	49947	19.539	ug/l	97
91) 1,2-Dichlorobenzene	13.991	146	146158	18.674	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.606	75	18324	18.453	ug/l	74
93) 1,2,4-Trichlorobenzene	15.265	180	55139	16.738	ug/l	99
94) Hexachlorobutadiene	15.373	225	28838	17.872	ug/l	96
95) Naphthalene	15.509	128	144870	15.664	ug/l	100
96) 1,2,3-Trichlorobenzene	15.703	180	52851	16.656	ug/l	98

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

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