

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072921\
 Data File : VN067964.D
 Acq On : 29 Jul 2021 13:42
 Operator : JC/MD
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 7:30:02 PM

Quant Time: Jul 29 14:40:20 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	8.086	168	400079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	730815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	665650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	267144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	46604	7.722	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	15.440%#		
35) Dibromofluoromethane	8.024	113	35181	7.977	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	15.960%#		
50) Toluene-d8	10.443	98	138135	7.544	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	15.080%#		
62) 4-Bromofluorobenzene	12.733	95	44777	6.978	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	13.960%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	38539	10.890	ug/l	97
3) Chloromethane	2.303	50	45441	8.384	ug/l	94
4) Vinyl Chloride	2.445	62	72702	8.833	ug/l	97
5) Bromomethane	2.875	94	69008	10.148	ug/l	99
6) Chloroethane	3.025	64	56969	9.300	ug/l	97
7) Trichlorofluoromethane	3.376	101	135646	8.916	ug/l	99
8) Diethyl Ether	3.821	74	26485	8.473	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.202	101	39117	10.272	ug/l	95
10) Methyl Iodide	4.419	142	34933	7.689	ug/l	90
11) Tert butyl alcohol	5.382	59	33283	38.670	ug/l #	71
12) 1,1-Dichloroethene	4.173	96	35347	9.713	ug/l	88
13) Acrolein	4.041	56	23227	46.624	ug/l	98
14) Allyl chloride	4.838	41	58264	8.860	ug/l	93
15) Acrylonitrile	5.559	53	97943	45.285	ug/l	98
16) Acetone	4.293	43	105142	54.603	ug/l	97
17) Carbon Disulfide	4.524	76	97571	9.679	ug/l	97
18) Methyl Acetate	4.857	43	44794	8.385	ug/l	96
19) Methyl tert-butyl Ether	5.618	73	131631	8.909	ug/l	98
20) Methylene Chloride	5.093	84	47529	9.319	ug/l	91
21) trans-1,2-Dichloroethene	5.597	96	40447	9.509	ug/l	88
22) Diisopropyl ether	6.498	45	133634	9.025	ug/l	98
23) Vinyl Acetate	6.439	43	532719	42.131	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	76857	9.236	ug/l	96
25) 2-Butanone	7.343	43	138727	44.079	ug/l	99
26) 2,2-Dichloropropane	7.324	77	66263	9.115	ug/l	94
27) cis-1,2-Dichloroethene	7.321	96	48028	9.097	ug/l	86
28) Bromochloromethane	7.657	49	37084	9.120	ug/l	85
29) Tetrahydrofuran	7.691	42	83258	40.314	ug/l	90
30) Chloroform	7.820	83	84961	9.136	ug/l	96
31) Cyclohexane	8.094	56	78935	9.293	ug/l #	84
32) 1,1,1-Trichloroethane	8.013	97	73484	9.115	ug/l	99
36) 1,1-Dichloropropene	8.225	75	62031	9.100	ug/l	97
37) Ethyl Acetate	7.418	43	55203	8.375	ug/l	99
38) Carbon Tetrachloride	8.206	117	60150	8.950	ug/l	99
39) Methylcyclohexane	9.459	83	67771	9.066	ug/l	93
40) Benzene	8.461	78	182656	8.966	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.643	41	25853	7.744	ug/l	89
42) 1,2-Dichloroethane	8.534	62	67698	8.968	ug/l	97
43) Isopropyl Acetate	8.563	43	96270	8.369	ug/l	97
44) Trichloroethene	9.220	130	46968	9.072	ug/l	87
45) 1,2-Dichloropropane	9.488	63	46049	8.956	ug/l	98
46) Dibromomethane	9.579	93	32281	8.841	ug/l	96
47) Bromodichloromethane	9.762	83	61866	8.653	ug/l	98
48) Methyl methacrylate	9.561	41	39944	7.841	ug/l	90
49) 1,4-Dioxane	9.574	88	13842	158.793	ug/l	89
51) 4-Methyl-2-Pentanone	10.336	43	287116	40.662	ug/l	96
52) Toluene	10.507	92	116592	8.773	ug/l	99
53) t-1,3-Dichloropropene	10.722	75	62751	8.602	ug/l	97
54) cis-1,3-Dichloropropene	10.191	75	67062	8.464	ug/l	94
55) 1,1,2-Trichloroethane	10.899	97	45210	8.921	ug/l	98
56) Ethyl methacrylate	10.762	69	61689	7.930	ug/l	93
57) 1,3-Dichloropropane	11.047	76	73296	8.423	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.043	63	36664	23.349	ug/l	93
59) 2-Hexanone	11.089	43	200364	40.765	ug/l	96
60) Dibromochloromethane	11.240	129	42411	8.288	ug/l	99
61) 1,2-Dibromoethane	11.347	107	44021	8.493	ug/l	100
64) Tetrachloroethene	10.979	164	46559	9.798	ug/l	92
65) Chlorobenzene	11.773	112	124204	9.116	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.843	131	42594	8.892	ug/l	99
67) Ethyl Benzene	11.846	91	222210	8.939	ug/l	99
68) m/p-Xylenes	11.956	106	166131	17.694	ug/l	87
69) o-Xylene	12.283	106	79794	8.649	ug/l	90
70) Styrene	12.296	104	128787	8.742	ug/l	94
71) Bromoform	12.460	173	26048	8.189	ug/l #	99
73) Isopropylbenzene	12.581	105	207317	9.575	ug/l	98
74) N-amyl acetate	12.393	43	63402	8.081	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.830	83	62047	9.876	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	52448m	9.570	ug/l	
77) Bromobenzene	12.862	156	46440	9.790	ug/l	78
78) n-propylbenzene	12.924	91	232623	9.487	ug/l	97
79) 2-Chlorotoluene	13.010	91	142283	9.612	ug/l	91
80) 1,3,5-Trimethylbenzene	13.061	105	165739	9.411	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.629	75	13664	8.015	ug/l	94
82) 4-Chlorotoluene	13.106	91	141839	9.667	ug/l	93
83) tert-Butylbenzene	13.326	119	140024	9.387	ug/l	90
84) 1,2,4-Trimethylbenzene	13.372	105	162613	9.437	ug/l	94
85) sec-Butylbenzene	13.506	105	196081	9.454	ug/l	97
86) p-Isopropyltoluene	13.619	119	150971	9.032	ug/l	95
87) 1,3-Dichlorobenzene	13.619	146	83396	9.426	ug/l	95
88) 1,4-Dichlorobenzene	13.696	146	82377	9.124	ug/l	98
89) n-Butylbenzene	13.946	91	126027	8.808	ug/l	98
90) Hexachloroethane	14.211	117	24944	8.994	ug/l	97
91) 1,2-Dichlorobenzene	13.991	146	77996	9.185	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.605	75	9545	8.860	ug/l	77
93) 1,2,4-Trichlorobenzene	15.265	180	31547	8.827	ug/l	98
94) Hexachlorobutadiene	15.375	225	17104	9.770	ug/l	99
95) Naphthalene	15.512	128	86453	8.616	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	31353	9.108	ug/l	98

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

