

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066928.D
 Acq On : 4 May 2021 11:05
 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
 5/5/2021 5:32:52 PM

Quant Time: May 04 12:28:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 12:26:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.590	168	513432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	871988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	798693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	335910	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	149321	18.37	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	36.74%#
35) Dibromofluoromethane	7.515	113	109317	18.45	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	36.90%#
50) Toluene-d8	10.030	98	408242	18.20	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	36.40%#
62) 4-Bromofluorobenzene	12.350	95	129367	16.78	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	33.56%#

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.837	85	126482	18.28	ug/l 98
3) Chloromethane	2.035	50	174774	16.83	ug/l 97
4) Vinyl Chloride	2.164	62	166747	17.59	ug/l 97
5) Bromomethane	2.515	94	91122	18.11	ug/l 96
6) Chloroethane	2.660	64	100471	18.18	ug/l 96
7) Trichlorofluoromethane	2.971	101	203856	18.43	ug/l 95
8) Diethyl Ether	3.360	74	73289	17.81	ug/l 85
9) 1,1,2-Trichlorotrifluo...	3.698	101	105958	18.47	ug/l 95
10) Methyl Iodide	3.886	142	137395	18.00	ug/l 90
11) Tert butyl alcohol	4.706	59	103032	85.89	ug/l 100
12) 1,1-Dichloroethene	3.677	96	101332	18.29	ug/l 90
13) Acrolein	3.548	56	83009	77.56	ug/l 94
14) Allyl chloride	4.248	41	198877	17.87	ug/l 93
15) Acrylonitrile	4.897	53	303491	89.29	ug/l 99
16) Acetone	3.754	43	255381	82.85	ug/l 100
17) Carbon Disulfide	3.985	76	312587	17.40	ug/l 98
18) Methyl Acetate	4.259	43	148166	17.32	ug/l 96
19) Methyl tert-butyl Ether	4.956	73	356836	18.24	ug/l 97
20) Methylene Chloride	4.470	84	132798	17.15	ug/l 93
21) trans-1,2-Dichloroethene	4.956	96	111505	18.51	ug/l 86
22) Diisopropyl ether	5.865	45	415979	19.02	ug/l 93
23) Vinyl Acetate	5.809	43	1619815	90.17	ug/l 97
24) 1,1-Dichloroethane	5.761	63	240894	18.28	ug/l 98
25) 2-Butanone	6.750	43	373234	89.45	ug/l 93
26) 2,2-Dichloropropane	6.739	77	204738	20.30	ug/l 95
27) cis-1,2-Dichloroethene	6.745	96	125517	18.32	ug/l 86
28) Bromochloromethane	7.112	49	115643	18.78	ug/l # 80
29) Tetrahydrofuran	7.128	42	253644	90.52	ug/l 94
30) Chloroform	7.295	83	231821	18.40	ug/l 96
31) Cyclohexane	7.582	56	196834	17.35	ug/l 93
32) 1,1,1-Trichloroethane	7.493	97	199657	18.48	ug/l 99
36) 1,1-Dichloropropene	7.716	75	158903	17.95	ug/l 96
37) Ethyl Acetate	6.847	43	168600	17.22	ug/l 97
38) Carbon Tetrachloride	7.697	117	170960	18.22	ug/l 97
39) Methylcyclohexane	9.016	83	171819	18.03	ug/l 91
40) Benzene	7.970	78	509043	18.09	ug/l 100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.088	41	67769	16.54	ug/l #	100
42) 1,2-Dichloroethane	8.051	62	183892	18.25	ug/l	97
43) Isopropyl Acetate	8.097	43	263920	17.70	ug/l #	88
44) Trichloroethene	8.770	130	111717	18.10	ug/l	94
45) 1,2-Dichloropropane	9.054	63	146063	18.42	ug/l	96
46) Dibromomethane	9.145	93	86690	18.67	ug/l	89
47) Bromodichloromethane	9.338	83	183509	18.22	ug/l	99
48) Methyl methacrylate	9.137	41	113351	17.41	ug/l	93
49) 1,4-Dioxane	9.137	88	37022	365.17	ug/l	86
51) 4-Methyl-2-Pentanone	9.923	43	768108	90.74	ug/l	96
52) Toluene	10.095	92	298824	18.66	ug/l	97
53) t-1,3-Dichloropropene	10.323	75	188060	18.71	ug/l	96
54) cis-1,3-Dichloropropene	9.778	75	210971	18.93	ug/l	98
55) 1,1,2-Trichloroethane	10.502	97	117812	17.80	ug/l	92
56) Ethyl methacrylate	10.373	69	149452	18.17	ug/l	95
57) 1,3-Dichloropropane	10.647	76	206248	18.05	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.636	63	118993	78.08	ug/l	92
59) 2-Hexanone	10.695	43	437378	88.79	ug/l	97
60) Dibromochloromethane	10.843	129	130581	18.21	ug/l	98
61) 1,2-Dibromoethane	10.947	107	115492	18.32	ug/l	98
64) Tetrachloroethene	10.572	164	99973	18.53	ug/l	97
65) Chlorobenzene	11.377	112	301886	18.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.452	131	117509	18.07	ug/l	98
67) Ethyl Benzene	11.454	91	522666	18.39	ug/l	96
68) m/p-Xylenes	11.567	106	384212	37.32	ug/l	91
69) o-Xylene	11.894	106	183731	18.03	ug/l	93
70) Styrene	11.913	104	284629	18.45	ug/l	95
71) Bromoform	12.074	173	82255	18.49	ug/l #	100
73) Isopropylbenzene	12.195	105	489499	19.65	ug/l	99
74) N-amyl acetate	12.060	43	7794	1.63	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.449	83	175687	19.21	ug/l	99
76) 1,2,3-Trichloropropane	12.500	75	151144m	18.70	ug/l	
77) Bromobenzene	12.471	156	114344	19.52	ug/l	86
78) n-propylbenzene	12.538	91	542380	19.83	ug/l	97
79) 2-Chlorotoluene	12.618	91	362388	20.45	ug/l	94
80) 1,3,5-Trimethylbenzene	12.680	105	422682	19.87	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.256	75	35259	16.98	ug/l	96
82) 4-Chlorotoluene	12.720	91	341973	19.34	ug/l	91
83) tert-Butylbenzene	12.937	119	351010	18.25	ug/l	96
84) 1,2,4-Trimethylbenzene	12.986	105	390468	19.34	ug/l	98
85) sec-Butylbenzene	13.117	105	443485	19.07	ug/l	98
86) p-Isopropyltoluene	13.235	119	368587	18.52	ug/l	98
87) 1,3-Dichlorobenzene	13.232	146	194951	19.14	ug/l	98
88) 1,4-Dichlorobenzene	13.310	146	181367	16.22	ug/l	95
89) n-Butylbenzene	13.565	91	273947	17.04	ug/l	98
90) Hexachloroethane	13.817	117	87703	17.81	ug/l	100
91) 1,2-Dichlorobenzene	13.600	146	193226	17.97	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.222	75	26178	14.39	ug/l	82
93) 1,2,4-Trichlorobenzene	14.858	180	93007	17.20	ug/l	98
94) Hexachlorobutadiene	14.949	225	63205	18.00	ug/l	99
95) Naphthalene	15.078	128	236044	16.65	ug/l	98
96) 1,2,3-Trichlorobenzene	15.255	180	93874	18.00	ug/l	96

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

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