

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031621\
 Data File : VN066208.D
 Acq On : 16 Mar 2021 11:45
 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
 3/17/2021 4:24:35 PM

Quant Time: Mar 16 12:54:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 12:51:18 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.587	168	317616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	498003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	470068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	216355	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	78386	15.58	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	31.16%#		
35) Dibromofluoromethane	7.507	113	53005	15.93	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	31.86%#		
50) Toluene-d8	10.028	98	209766	15.86	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	31.72%#		
62) 4-Bromofluorobenzene	12.345	95	74822	15.28	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	30.56%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.818	85	61088	18.24	ug/l	99
3) Chloromethane	2.019	50	99675	16.37	ug/l	99
4) Vinyl Chloride	2.148	62	85894	18.59	ug/l	97
5) Bromomethane	2.521	94	47523	17.67	ug/l	94
6) Chloroethane	2.658	64	49036	18.28	ug/l	97
7) Trichlorofluoromethane	2.966	101	100930	18.60	ug/l	96
8) Diethyl Ether	3.347	74	39210	18.07	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.680	101	52212	18.68	ug/l	98
10) Methyl Iodide	3.873	142	73582	19.69	ug/l	99
11) Tert butyl alcohol	4.712	59	75792	96.30	ug/l #	88
12) 1,1-Dichloroethene	3.661	96	53058	18.08	ug/l	97
13) Acrolein	3.532	56	62135	69.85	ug/l	95
14) Allyl chloride	4.232	41	127173	16.61	ug/l #	89
15) Acrylonitrile	4.884	53	223762	96.85	ug/l	100
16) Acetone	3.739	43	207562	79.76	ug/l	99
17) Carbon Disulfide	3.969	76	151219	17.28	ug/l	99
18) Methyl Acetate	4.240	43	123417	19.65	ug/l	99
19) Methyl tert-butyl Ether	4.948	73	206374	18.11	ug/l	97
20) Methylene Chloride	4.457	84	63493	17.01	ug/l	95
21) trans-1,2-Dichloroethene	4.932	96	60140	18.13	ug/l	95
22) Diisopropyl ether	5.857	45	276015	18.05	ug/l	98
23) Vinyl Acetate	5.798	43	1180888	93.29	ug/l	99
24) 1,1-Dichloroethane	5.747	63	136837	18.27	ug/l	99
25) 2-Butanone	6.745	43	331088	86.67	ug/l	99
26) 2,2-Dichloropropane	6.734	77	111281	17.05	ug/l	98
27) cis-1,2-Dichloroethene	6.732	96	70737	17.53	ug/l	96
28) Bromochloromethane	7.104	49	68506	16.43	ug/l	97
29) Tetrahydrofuran	7.129	42	227212	89.73	ug/l	99
30) Chloroform	7.284	83	123479	17.35	ug/l	95
31) Cyclohexane	7.574	56	124383	16.85	ug/l	96
32) 1,1,1-Trichloroethane	7.485	97	106140	17.46	ug/l	99
36) 1,1-Dichloropropene	7.711	75	94300	18.15	ug/l	98
37) Ethyl Acetate	6.842	43	135794	18.76	ug/l	99
38) Carbon Tetrachloride	7.692	117	84474	17.47	ug/l	94
39) Methylcyclohexane	9.011	83	99204	16.51	ug/l	97
40) Benzene	7.963	78	283489	18.08	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.080	41	64724	17.06	ug/l	95
42) 1,2-Dichloroethane	8.048	62	109285	18.18	ug/l	98
43) Isopropyl Acetate	8.094	43	212617	17.55	ug/l	98
44) Trichloroethene	8.765	130	67683	17.62	ug/l	92
45) 1,2-Dichloropropane	9.052	63	83884	17.36	ug/l	100
46) Dibromomethane	9.140	93	46294	17.30	ug/l	97
47) Bromodichloromethane	9.336	83	101276	17.71	ug/l	99
48) Methyl methacrylate	9.135	41	99985	17.49	ug/l	98
49) 1,4-Dioxane	9.135	88	21196	340.88	ug/l	97
51) 4-Methyl-2-Pentanone	9.923	43	680459	94.05	ug/l	100
52) Toluene	10.092	92	163350	17.51	ug/l	97
53) t-1,3-Dichloropropene	10.320	75	114504	17.63	ug/l	99
54) cis-1,3-Dichloropropene	9.776	75	122657	17.49	ug/l	96
55) 1,1,2-Trichloroethane	10.502	97	69375	18.05	ug/l	96
56) Ethyl methacrylate	10.371	69	107251	17.74	ug/l	97
57) 1,3-Dichloropropane	10.647	76	121524	17.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.631	63	39864	24.47	ug/l	99
59) 2-Hexanone	10.693	43	488626	93.69	ug/l	100
60) Dibromochloromethane	10.843	129	70862	17.75	ug/l	98
61) 1,2-Dibromoethane	10.945	107	69233	17.81	ug/l	100
64) Tetrachloroethene	10.570	164	74346	18.50	ug/l	97
65) Chlorobenzene	11.374	112	173846	18.16	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.449	131	65250	17.69	ug/l	98
67) Ethyl Benzene	11.452	91	314028	18.21	ug/l	99
68) m/p-Xylenes	11.565	106	234228	36.45	ug/l	97
69) o-Xylene	11.889	106	111425	17.82	ug/l	97
70) Styrene	11.905	104	184925	18.28	ug/l	99
71) Bromoform	12.069	173	52114	18.43	ug/l #	98
73) Isopropylbenzene	12.192	105	292068	18.13	ug/l	98
74) N-amyl acetate	12.015	43	134884	17.36	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.447	83	101659	17.33	ug/l	98
76) 1,2,3-Trichloropropane	12.498	75	105843m	20.17	ug/l	
77) Bromobenzene	12.468	156	73961	18.22	ug/l	99
78) n-propylbenzene	12.535	91	333730	17.95	ug/l	98
79) 2-Chlorotoluene	12.616	91	209206	17.91	ug/l	100
80) 1,3,5-Trimethylbenzene	12.678	105	243484	18.07	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.246	75	34959	18.10	ug/l	96
82) 4-Chlorotoluene	12.718	91	212954	18.45	ug/l	100
83) tert-Butylbenzene	12.938	119	198127	17.49	ug/l	99
84) 1,2,4-Trimethylbenzene	12.983	105	237360	17.88	ug/l	99
85) sec-Butylbenzene	13.115	105	268338	17.74	ug/l	100
86) p-Isopropyltoluene	13.233	119	231083	17.29	ug/l	100
87) 1,3-Dichlorobenzene	13.227	146	128107	18.21	ug/l	98
88) 1,4-Dichlorobenzene	13.308	146	124144	17.04	ug/l	99
89) n-Butylbenzene	13.560	91	199616	16.75	ug/l	99
90) Hexachloroethane	13.815	117	38778	17.95	ug/l	99
91) 1,2-Dichlorobenzene	13.597	146	125855	18.24	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.212	75	20315	16.86	ug/l	96
93) 1,2,4-Trichlorobenzene	14.850	180	75296	18.67	ug/l	99
94) Hexachlorobutadiene	14.949	225	38488	16.28	ug/l	98
95) Naphthalene	15.070	128	229956	19.64	ug/l	99
96) 1,2,3-Trichlorobenzene	15.247	180	75751	18.58	ug/l	98

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

