

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041021\
 Data File : VN066564.D
 Acq On : 9 Apr 2021 19:00
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 10:57:58 AM

Quant Time: Apr 10 05:49:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041021W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 10 05:46:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.582	168	136334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	223061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	218591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	100159	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.944	65	48809	25.35	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	50.70%#		
35) Dibromofluoromethane	7.504	113	31561	20.55	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.10%#		
50) Toluene-d8	10.028	98	110613	18.86	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	37.72%#		
62) 4-Bromofluorobenzene	12.345	95	37619	19.54	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.08%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.816	85	37039	22.93	ug/l	98
3) Chloromethane	2.017	50	48904	22.99	ug/l	99
4) Vinyl Chloride	2.143	62	45901	19.77	ug/l	94
5) Bromomethane	2.510	94	30382	18.29	ug/l	96
6) Chloroethane	2.650	64	31271	20.75	ug/l	100
7) Trichlorofluoromethane	2.958	101	66946	21.72	ug/l	100
8) Diethyl Ether	3.342	74	25005	27.86	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.677	101	34261	25.11	ug/l	97
10) Methyl Iodide	3.862	142	44156	22.72	ug/l	99
11) Tert butyl alcohol	4.709	59	32770	106.41	ug/l #	79
12) 1,1-Dichloroethene	3.653	96	32310	23.94	ug/l	95
13) Acrolein	3.529	56	48144	212.25	ug/l	98
14) Allyl chloride	4.224	41	85176	32.07	ug/l	96
15) Acrylonitrile	4.878	53	96930	112.87	ug/l	99
16) Acetone	3.736	43	138205	158.13	ug/l	99
17) Carbon Disulfide	3.961	76	105860	23.95	ug/l	98
18) Methyl Acetate	4.235	43	80913	35.82	ug/l	100
19) Methyl tert-butyl Ether	4.943	73	98786	21.37	ug/l	98
20) Methylene Chloride	4.441	84	37913	22.05	ug/l	99
21) trans-1,2-Dichloroethene	4.927	96	28782	19.26	ug/l	93
22) Diisopropyl ether	5.855	45	123418	23.68	ug/l	95
23) Vinyl Acetate	5.796	43	544915	119.71	ug/l	98
24) 1,1-Dichloroethane	5.742	63	64910	22.60	ug/l	96
25) 2-Butanone	6.745	43	142539	118.03	ug/l	97
26) 2,2-Dichloropropane	6.721	77	50577	20.86	ug/l	100
27) cis-1,2-Dichloroethene	6.729	96	33378	19.49	ug/l	97
28) Bromochloromethane	7.099	49	37015	24.48	ug/l	98
29) Tetrahydrofuran	7.129	42	92574	113.58	ug/l	97
30) Chloroform	7.281	83	64086	22.09	ug/l	96
31) Cyclohexane	7.568	56	53403	20.43	ug/l	92
32) 1,1,1-Trichloroethane	7.480	97	54856	21.86	ug/l	100
36) 1,1-Dichloropropene	7.705	75	44161	19.97	ug/l	97
37) Ethyl Acetate	6.839	43	62396	22.40	ug/l #	84
38) Carbon Tetrachloride	7.689	117	48473	21.59	ug/l	96
39) Methylcyclohexane	9.009	83	43537	17.38	ug/l	94
40) Benzene	7.957	78	135089	19.63	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.072	41	26906	20.11	ug/l	93
42) 1,2-Dichloroethane	8.046	62	58511	23.55	ug/l	100
43) Isopropyl Acetate	8.091	43	100306	22.83	ug/l	99
44) Trichloroethene	8.759	130	30442	17.64	ug/l	92
45) 1,2-Dichloropropane	9.046	63	38956	20.94	ug/l	92
46) Dibromomethane	9.135	93	25369	21.16	ug/l	98
47) Bromodichloromethane	9.336	83	53765	21.63	ug/l	98
48) Methyl methacrylate	9.135	41	44785	22.47	ug/l	95
49) 1,4-Dioxane	9.140	88	11318	434.25	ug/l	90
51) 4-Methyl-2-Pentanone	9.920	43	313592	119.69	ug/l	99
52) Toluene	10.092	92	79408	19.04	ug/l	98
53) t-1,3-Dichloropropene	10.323	75	52229	20.16	ug/l	99
54) cis-1,3-Dichloropropene	9.776	75	54263	19.27	ug/l	97
55) 1,1,2-Trichloroethane	10.500	97	34649	20.25	ug/l	98
56) Ethyl methacrylate	10.368	69	46022	19.71	ug/l	97
57) 1,3-Dichloropropane	10.647	76	58212	20.51	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.631	63	19652	64.43	ug/l	97
59) 2-Hexanone	10.693	43	205618	117.84	ug/l	98
60) Dibromochloromethane	10.843	129	38731	20.48	ug/l	96
61) 1,2-Dibromoethane	10.945	107	34561	19.60	ug/l	100
64) Tetrachloroethene	10.572	164	25460	14.43	ug/l	97
65) Chlorobenzene	11.374	112	84763	18.58	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.449	131	32947	18.96	ug/l	98
67) Ethyl Benzene	11.452	91	146825	18.51	ug/l	97
68) m/p-Xylenes	11.562	106	106052	35.91	ug/l	96
69) o-Xylene	11.889	106	51980	18.20	ug/l	93
70) Styrene	11.908	104	82353	18.38	ug/l	99
71) Bromoform	12.069	173	25352	18.20	ug/l #	97
73) Isopropylbenzene	12.192	105	132896	18.17	ug/l	99
74) N-amyl acetate	12.020	43	27380	14.04	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.450	83	56327	20.31	ug/l	99
76) 1,2,3-Trichloropropane	12.498	75	46776m	20.36	ug/l	
77) Bromobenzene	12.471	156	32211	16.78	ug/l	98
78) n-propylbenzene	12.535	91	152892	18.45	ug/l	99
79) 2-Chlorotoluene	12.618	91	98499	19.49	ug/l	97
80) 1,3,5-Trimethylbenzene	12.678	105	110276	18.05	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.248	75	11740	16.62	ug/l	94
82) 4-Chlorotoluene	12.718	91	93689	18.76	ug/l	98
83) tert-Butylbenzene	12.938	119	91930	16.70	ug/l	95
84) 1,2,4-Trimethylbenzene	12.983	105	106032	17.88	ug/l	100
85) sec-Butylbenzene	13.117	105	124679	18.07	ug/l	99
86) p-Isopropyltoluene	13.235	119	105342	17.76	ug/l	99
87) 1,3-Dichlorobenzene	13.227	146	56235	16.91	ug/l	99
88) 1,4-Dichlorobenzene	13.308	146	54815	15.62	ug/l	97
89) n-Butylbenzene	13.560	91	89330	16.57	ug/l	98
90) Hexachloroethane	13.815	117	22953	18.43	ug/l	97
91) 1,2-Dichlorobenzene	13.597	146	55886	17.01	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.241	75	10454	16.10	ug/l #	72
93) 1,2,4-Trichlorobenzene	14.984	180	27639	12.36	ug/l	95
94) Hexachlorobutadiene	15.107	225	17078	15.27	ug/l	99
95) Naphthalene	15.266	128	78372	9.61	ug/l	98
96) 1,2,3-Trichlorobenzene	15.502	180	28223	11.93	ug/l	96

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

