

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041021\
 Data File : VN066563.D
 Acq On : 9 Apr 2021 18:37
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 10:57:53 AM

Quant Time: Apr 10 05:49:14 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	7.579	168	123690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.510	114	213777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	206529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	79668	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	12800	7.33	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	14.66%#		
35) Dibromofluoromethane	7.501	113	8593	5.84	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.68%#		
50) Toluene-d8	10.028	98	28276	5.03	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.06%#		
62) 4-Bromofluorobenzene	12.348	95	8433	4.57	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.14%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.816	85	9774	6.67	ug/l	93
3) Chloromethane	2.014	50	15459	8.01	ug/l	96
4) Vinyl Chloride	2.143	62	13320	6.32	ug/l	97
5) Bromomethane	2.502	94	9174	6.09	ug/l	90
6) Chloroethane	2.647	64	8816	6.45	ug/l	96
7) Trichlorofluoromethane	2.955	101	18860	6.74	ug/l	97
8) Diethyl Ether	3.339	74	7509	9.22	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.671	101	10210m	8.25	ug/l	
10) Methyl Iodide	3.865	142	11380	6.45	ug/l	98
11) Tert butyl alcohol	4.707	59	9792m	35.05	ug/l	
12) 1,1-Dichloroethene	3.650	96	9641	7.87	ug/l	96
13) Acrolein	3.532	56	10620	51.61	ug/l	99
14) Allyl chloride	4.221	41	24521	10.18	ug/l #	92
15) Acrylonitrile	4.876	53	27227	34.95	ug/l #	88
16) Acetone	3.736	43	43126	54.39	ug/l	99
17) Carbon Disulfide	3.958	76	30818	7.68	ug/l #	95
18) Methyl Acetate	4.232	43	26016	12.69	ug/l	99
19) Methyl tert-butyl Ether	4.937	73	27840m	6.64	ug/l	
20) Methylene Chloride	4.441	84	11497	7.37	ug/l	97
21) trans-1,2-Dichloroethene	4.927	96	8361	6.17	ug/l	92
22) Diisopropyl ether	5.860	45	29473	6.23	ug/l	93
23) Vinyl Acetate	5.796	43	141956	34.37	ug/l	98
24) 1,1-Dichloroethane	5.742	63	18161	6.97	ug/l	98
25) 2-Butanone	6.750	43	37729	34.44	ug/l	96
26) 2,2-Dichloropropane	6.721	77	14255	6.48	ug/l	88
27) cis-1,2-Dichloroethene	6.729	96	9203	5.92	ug/l	97
28) Bromochloromethane	7.107	49	9716	7.08	ug/l #	100
29) Tetrahydrofuran	7.131	42	22786	30.81	ug/l	94
30) Chloroform	7.281	83	17740	6.74	ug/l	95
31) Cyclohexane	7.563	56	16175m	6.82	ug/l	
32) 1,1,1-Trichloroethane	7.480	97	14692	6.45	ug/l	93
36) 1,1-Dichloropropene	7.708	75	11837	5.59	ug/l #	88
37) Ethyl Acetate	6.839	43	14918	5.59	ug/l #	94
38) Carbon Tetrachloride	7.686	117	13188	6.13	ug/l	95
39) Methylcyclohexane	9.003	83	10723	4.47	ug/l	97
40) Benzene	7.960	78	36530	5.54	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.072	41	8843m	6.90	ug/l	
42) 1,2-Dichloroethane	8.051	62	16314	6.85	ug/l	100
43) Isopropyl Acetate	8.094	43	27591	6.55	ug/l	99
44) Trichloroethene	8.759	130	8757	5.30	ug/l	93
45) 1,2-Dichloropropane	9.043	63	11182	6.27	ug/l	98
46) Dibromomethane	9.140	93	7186	6.25	ug/l	97
47) Bromodichloromethane	9.336	83	14559	6.11	ug/l	96
48) Methyl methacrylate	9.135	41	10815	5.66	ug/l	92
49) 1,4-Dioxane	9.132	88	3003	120.22	ug/l #	76
51) 4-Methyl-2-Pentanone	9.920	43	80587	32.09	ug/l	97
52) Toluene	10.092	92	19837	4.96	ug/l	96
53) t-1,3-Dichloropropene	10.320	75	13476	5.43	ug/l	93
54) cis-1,3-Dichloropropene	9.776	75	14770	5.47	ug/l	99
55) 1,1,2-Trichloroethane	10.502	97	9552	5.83	ug/l	89
56) Ethyl methacrylate	10.371	69	10456	4.67	ug/l	97
57) 1,3-Dichloropropane	10.647	76	15973	5.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.633	63	4578	15.66	ug/l	99
59) 2-Hexanone	10.696	43	48481	28.99	ug/l	94
60) Dibromochloromethane	10.840	129	9613	5.30	ug/l	92
61) 1,2-Dibromoethane	10.945	107	9049	5.36	ug/l	100
64) Tetrachloroethene	10.572	164	7322	4.39	ug/l	95
65) Chlorobenzene	11.371	112	22562	5.23	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.455	131	9267	5.65	ug/l	95
67) Ethyl Benzene	11.452	91	36472	4.87	ug/l	95
68) m/p-Xylenes	11.562	106	24940	8.94	ug/l	98
69) o-Xylene	11.889	106	11767	4.36	ug/l	97
70) Styrene	11.905	104	18679	4.41	ug/l	98
71) Bromoform	12.074	173	6417	4.88	ug/l #	98
73) Isopropylbenzene	12.195	105	29529	5.07	ug/l	98
74) N-amyl acetate	12.053	43	1959m	1.26	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.450	83	14567	6.60	ug/l	94
76) 1,2,3-Trichloropropane	12.503	75	10906m	5.97	ug/l	
77) Bromobenzene	12.471	156	8170	5.35	ug/l	94
78) n-propylbenzene	12.538	91	33392	5.07	ug/l	99
79) 2-Chlorotoluene	12.618	91	22504	5.60	ug/l	100
80) 1,3,5-Trimethylbenzene	12.680	105	24091	4.96	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.248	75	2966m	5.28	ug/l	
82) 4-Chlorotoluene	12.720	91	20034	5.04	ug/l	96
83) tert-Butylbenzene	12.938	119	21354	4.88	ug/l	96
84) 1,2,4-Trimethylbenzene	12.986	105	21396	4.54	ug/l	97
85) sec-Butylbenzene	13.117	105	26066	4.75	ug/l	99
86) p-Isopropyltoluene	13.238	119	21415	4.54	ug/l	98
87) 1,3-Dichlorobenzene	13.230	146	12359	4.67	ug/l	95
88) 1,4-Dichlorobenzene	13.305	146	13045	4.67	ug/l	96
89) n-Butylbenzene	13.565	91	20161m	4.70	ug/l	
90) Hexachloroethane	13.817	117	6091	6.15	ug/l	94
91) 1,2-Dichlorobenzene	13.603	146	12714	4.87	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.241	75	2612m	5.06	ug/l	
93) 1,2,4-Trichlorobenzene	14.992	180	5988	3.37	ug/l	67
94) Hexachlorobutadiene	15.102	225	4535	5.10	ug/l #	73
95) Naphthalene	15.271	128	16682m	2.57	ug/l	
96) 1,2,3-Trichlorobenzene	15.502	180	6782m	3.60	ug/l	

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

