

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040621\
 Data File : VN066491.D
 Acq On : 6 Apr 2021 13:30
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

SAM
 4/7/2021 5:47:16 PM

Quant Time: Apr 06 14:05:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 06 12:45:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.585	168	272923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.513	114	414679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	378255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	157264	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	19128	5.30	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.60%#		
35) Dibromofluoromethane	7.507	113	14975	5.24	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.48%#		
50) Toluene-d8	10.028	98	53071	4.97	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	9.94%#		
62) 4-Bromofluorobenzene	12.356	95	14683	4.30	ug/l	0.01
Spiked Amount 50.000	Range 83 - 123		Recovery =	8.60%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.816	85	15756	5.06	ug/l	99
3) Chloromethane	2.014	50	21339	5.28	ug/l	100
4) Vinyl Chloride	2.143	62	24780	5.60	ug/l	100
5) Bromomethane	2.497	94	20052	6.25	ug/l	90
6) Chloroethane	2.642	64	15951	5.32	ug/l	95
7) Trichlorofluoromethane	2.953	101	32166	5.36	ug/l	96
8) Diethyl Ether	3.339	74	8783	5.44	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.680	101	13866	5.34	ug/l #	71
10) Methyl Iodide	3.870	142	15774	4.21	ug/l #	77
11) Tert butyl alcohol	4.688	59	15963	33.05	ug/l #	93
12) 1,1-Dichloroethene	3.655	96	13385	5.39	ug/l	94
13) Acrolein	3.524	56	11646	37.92	ug/l	97
14) Allyl chloride	4.229	41	21389	5.07	ug/l #	91
15) Acrylonitrile	4.884	53	38715	26.87	ug/l	96
16) Acetone	3.733	43	42575	30.69	ug/l	100
17) Carbon Disulfide	3.967	76	41843	5.52	ug/l	99
18) Methyl Acetate	4.235	43	19629	5.37	ug/l	96
19) Methyl tert-butyl Ether	4.940	73	44788	5.17	ug/l	98
20) Methylene Chloride	4.452	84	17841	5.56	ug/l #	88
21) trans-1,2-Dichloroethene	4.927	96	14775m	5.15	ug/l	
22) Diisopropyl ether	5.852	45	47425	5.06	ug/l	90
23) Vinyl Acetate	5.793	43	199200	24.56	ug/l	99
24) 1,1-Dichloroethane	5.745	63	29550	5.42	ug/l	95
25) 2-Butanone	6.740	43	55300	25.74	ug/l	95
26) 2,2-Dichloropropane	6.724	77	24409	5.24	ug/l	99
27) cis-1,2-Dichloroethene	6.729	96	17049	5.66	ug/l	98
28) Bromochloromethane	7.107	49	13598	4.98	ug/l #	96
29) Tetrahydrofuran	7.123	42	35369	24.20	ug/l #	83
30) Chloroform	7.282	83	28345	5.11	ug/l	95
31) Cyclohexane	7.571	56	26851	4.95	ug/l #	83
32) 1,1,1-Trichloroethane	7.485	97	25580	5.28	ug/l	98
36) 1,1-Dichloropropene	7.711	75	20250	5.11	ug/l	99
37) Ethyl Acetate	6.839	43	23971	5.18	ug/l #	86
38) Carbon Tetrachloride	7.689	117	21254	5.01	ug/l	97
39) Methylcyclohexane	9.009	83	22392	5.04	ug/l	99
40) Benzene	7.960	78	62987	4.98	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.096	41	12147m	4.24	ug/l	
42) 1,2-Dichloroethane	8.043	62	22872	5.23	ug/l	88
43) Isopropyl Acetate	8.089	43	37976	5.11	ug/l #	79
44) Trichloroethene	8.765	130	17056	5.36	ug/l	99
45) 1,2-Dichloropropane	9.049	63	16960	5.00	ug/l	97
46) Dibromomethane	9.140	93	11799	5.33	ug/l	99
47) Bromodichloromethane	9.339	83	23352	5.22	ug/l	96
48) Methyl methacrylate	9.137	41	14689	4.43	ug/l	92
49) 1,4-Dioxane	9.137	88	4680	104.08	ug/l #	92
51) 4-Methyl-2-Pentanone	9.921	43	106740	23.88	ug/l	99
52) Toluene	10.092	92	36499	4.78	ug/l	95
53) t-1,3-Dichloropropene	10.323	75	22643	4.85	ug/l	98
54) cis-1,3-Dichloropropene	9.776	75	24062	4.77	ug/l	95
55) 1,1,2-Trichloroethane	10.500	97	15756	4.98	ug/l	96
56) Ethyl methacrylate	10.368	69	17418	4.24	ug/l	92
57) 1,3-Dichloropropane	10.647	76	25304	4.89	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.634	63	11451	20.15	ug/l	98
59) 2-Hexanone	10.696	43	63356	22.26	ug/l	97
60) Dibromochloromethane	10.840	129	17370	4.97	ug/l	96
61) 1,2-Dibromoethane	10.945	107	16164	5.05	ug/l	99
64) Tetrachloroethene	10.570	164	16774	5.31	ug/l	98
65) Chlorobenzene	11.374	112	37892	4.80	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.452	131	15352	5.02	ug/l	99
67) Ethyl Benzene	11.455	91	62551	4.71	ug/l	99
68) m/p-Xylenes	11.565	106	45817	9.22	ug/l	100
69) o-Xylene	11.892	106	22651	4.75	ug/l	97
70) Styrene	11.916	104	30720	4.16	ug/l	98
71) Bromoform	12.074	173	12162	5.04	ug/l #	95
73) Isopropylbenzene	12.195	105	55811	5.06	ug/l	99
74) N-amyl acetate	12.012	43	471m	0.20	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.452	83	23271	5.89	ug/l	91
76) 1,2,3-Trichloropropane	12.503	75	16725m	3.80	ug/l	
77) Bromobenzene	12.474	156	14754	5.10	ug/l	96
78) n-propylbenzene	12.538	91	60243	4.94	ug/l	95
79) 2-Chlorotoluene	12.621	91	40864	5.50	ug/l	97
80) 1,3,5-Trimethylbenzene	12.680	105	44890	4.90	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.259	75	4049	4.37	ug/l #	46
82) 4-Chlorotoluene	12.723	91	34124	4.70	ug/l	98
83) tert-Butylbenzene	12.938	119	39568	5.03	ug/l	98
84) 1,2,4-Trimethylbenzene	12.989	105	43354	4.97	ug/l	98
85) sec-Butylbenzene	13.117	105	50172	4.92	ug/l	97
86) p-Isopropyltoluene	13.235	119	40454	4.66	ug/l	99
87) 1,3-Dichlorobenzene	13.227	146	25411	5.14	ug/l	98
88) 1,4-Dichlorobenzene	13.308	146	23689	4.61	ug/l	91
89) n-Butylbenzene	13.568	91	33606	4.53	ug/l	88
90) Hexachloroethane	13.815	117	10006	5.34	ug/l	100
91) 1,2-Dichlorobenzene	13.600	146	27176	5.40	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	14.249	75	4879m	6.00	ug/l	
93) 1,2,4-Trichlorobenzene	14.987	180	15113	5.43	ug/l #	61
94) Hexachlorobutadiene	15.113	225	9629	5.82	ug/l	98
95) Naphthalene	15.268	128	48901	6.68	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.504	180	15863	5.87	ug/l	91

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

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