

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056701.D
 Acq On : 15 Jul 2019 10:20
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:22 AM

Quant Time: Jul 16 01:21:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:03:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	339104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	520439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	481151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229503	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	374103	99.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.86%	
35) Dibromofluoromethane	7.59	113	326903	101.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.30%	
50) Toluene-d8	10.09	98	1293377	102.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.64%	
62) 4-Bromofluorobenzene	12.40	95	454261	108.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	301775	104.582	ug/l	99
3) Chloromethane	2.06	50	409416	103.883	ug/l	99
4) Vinyl Chloride	2.18	62	398205	104.688	ug/l	100
5) Bromomethane	2.53	94	241839m	109.325	ug/l	
6) Chloroethane	2.68	64	223813	102.018	ug/l	98
7) Trichlorofluoromethane	3.00	101	504359	102.606	ug/l	99
8) Diethyl Ether	3.41	74	206595	99.777	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	308930	99.053	ug/l	99
10) Methyl Iodide	3.95	142	459530	109.627	ug/l	100
11) Tert butyl alcohol	4.79	59	325695	516.997	ug/l	100
12) 1,1-Dichloroethene	3.73	96	312118	103.813	ug/l	98
13) Acrolein	3.60	56	107814	231.025	ug/l	97
14) Allyl chloride	4.32	41	557300	110.467	ug/l	100
15) Acrylonitrile	4.99	53	916120	520.771	ug/l	100
16) Acetone	3.82	43	816749	440.490	ug/l	100
17) Carbon Disulfide	4.05	76	853433	121.644	ug/l	100
18) Methyl Acetate	4.32	43	385042	81.040	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1001719	100.925	ug/l	98
20) Methylene Chloride	4.55	84	360689	93.111	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	333190	102.621	ug/l	97
22) Diisopropyl ether	5.95	45	1088289	103.225	ug/l	98
23) Vinyl Acetate	5.89	43	4638718	557.568	ug/l	99
24) 1,1-Dichloroethane	5.85	63	615545	101.862	ug/l	99
25) 2-Butanone	6.83	43	1260769	506.804	ug/l	100
26) 2,2-Dichloropropane	6.82	77	459726	108.433	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	388914	102.708	ug/l	99
28) Bromochloromethane	7.19	49	298729	100.744	ug/l	99
29) Tetrahydrofuran	7.21	42	814414	527.906	ug/l	98
30) Chloroform	7.37	83	601223	100.999	ug/l	99
31) Cyclohexane	7.65	56	585761	99.851	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	503161	106.319	ug/l	100
36) 1,1-Dichloropropene	7.79	75	469307	101.815	ug/l	100
37) Ethyl Acetate	6.93	43	483527	106.640	ug/l	99
38) Carbon Tetrachloride	7.77	117	441401	108.121	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	596476	104.535	ug/l	99
40) Benzene	8.04	78	1434902	101.140	ug/l	99
41) Methacrylonitrile	7.18	41	233553m	117.783	ug/l	
42) 1,2-Dichloroethane	8.12	62	454326	97.478	ug/l	100
43) Isopropyl Acetate	8.17	43	773459	110.174	ug/l	99
44) Trichloroethene	8.83	130	385517	101.279	ug/l	97
45) 1,2-Dichloropropane	9.12	63	388068	102.352	ug/l	98
46) Dibromomethane	9.21	93	244626	103.238	ug/l	99
47) Bromodichloromethane	9.40	83	466380	110.002	ug/l	100
48) Methyl methacrylate	9.20	41	379487	107.679	ug/l	100
49) 1,4-Dioxane	9.20	88	152625	2103.199	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2444359	539.209	ug/l	99
52) Toluene	10.16	92	888313	102.514	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	526527	122.723	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	588857	115.638	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	351913	101.179	ug/l	99
56) Ethyl methacrylate	10.43	69	570740	111.466	ug/l	99
57) 1,3-Dichloropropane	10.71	76	598967	102.607	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1397649	712.727	ug/l	100
59) 2-Hexanone	10.75	43	1836183	549.276	ug/l	100
60) Dibromochloromethane	10.90	129	382902	119.586	ug/l	99
61) 1,2-Dibromoethane	11.00	107	380696	107.176	ug/l	98
64) Tetrachloroethene	10.63	164	371007	96.482	ug/l	99
65) Chlorobenzene	11.43	112	954901	98.659	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	353616	106.990	ug/l	99
67) Ethyl Benzene	11.51	91	1713524	100.596	ug/l	99
68) m/p-Xylenes	11.62	106	1291723	206.783	ug/l	99
69) o-Xylene	11.95	106	622010	100.668	ug/l	99
70) Styrene	11.96	104	1081180	109.376	ug/l	100
71) Bromoform	12.13	173	296106	126.343	ug/l #	99
73) Isopropylbenzene	12.25	105	1645513	81.945	ug/l	100
74) N-amyl acetate	12.07	43	669910	91.757	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	520904	82.813	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	420671m	87.231	ug/l	
77) Bromobenzene	12.53	156	439053	86.145	ug/l	99
78) n-propylbenzene	12.59	91	1890341	90.073	ug/l	100
79) 2-Chlorotoluene	12.67	91	1116651	84.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1407224	85.697	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	174689	124.076	ug/l	93
82) 4-Chlorotoluene	12.77	91	1128597	91.153	ug/l	99
83) tert-Butylbenzene	12.99	119	1201159	80.445	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1426205	92.331	ug/l	99
85) sec-Butylbenzene	13.17	105	1595460	86.831	ug/l	100
86) p-Isopropyltoluene	13.29	119	1466189	92.635	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	753244	96.870	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	745952	98.638	ug/l	99
89) n-Butylbenzene	13.61	91	1283790	105.479	ug/l	99
90) Hexachloroethane	13.87	117	245657	98.763	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	740784	95.850	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	99602	114.996	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	440734	132.140	ug/l	99
94) Hexachlorobutadiene	15.01	225	250284	85.407	ug/l	99
95) Naphthalene	15.13	128	1225247	139.143	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	434772	122.376	ug/l	98

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

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