

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058848.D
 Acq On : 18 Oct 2019 10:43
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:43:25 AM

Quant Time: Oct 19 00:12:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	445787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	713057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	677694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	351051	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	939907	149.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.50%	
35) Dibromofluoromethane	7.57	113	689838	154.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.54%	
50) Toluene-d8	10.08	98	2703236	152.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.62%	
62) 4-Bromofluorobenzene	12.40	95	1068818	159.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	809867	146.169	ug/l	100
3) Chloromethane	2.04	50	976956	146.650	ug/l	100
4) Vinyl Chloride	2.17	62	1032591	155.783	ug/l	100
5) Bromomethane	2.51	94	629530m	154.290	ug/l	
6) Chloroethane	2.67	64	617824m	150.291	ug/l	
7) Trichlorofluoromethane	2.99	101	1212192	150.752	ug/l	99
8) Diethyl Ether	3.39	74	443525	152.551	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	662982	146.594	ug/l	99
10) Methyl Iodide	3.92	142	952250	155.456	ug/l	100
11) Tert butyl alcohol	4.76	59	863524	839.710	ug/l	99
12) 1,1-Dichloroethene	3.71	96	664762	154.594	ug/l	98
13) Acrolein	3.58	56	643429	796.246	ug/l	98
14) Allyl chloride	4.29	41	1377423	158.003	ug/l	98
15) Acrylonitrile	4.96	53	2157724	833.256	ug/l	99
16) Acetone	3.79	43	2328032	855.368	ug/l	100
17) Carbon Disulfide	4.03	76	2128005	153.845	ug/l	100
18) Methyl Acetate	4.30	43	1053955	158.608	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	2423583	157.953	ug/l	99
20) Methylene Chloride	4.52	84	777271	143.284	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	739097	153.778	ug/l	96
22) Diisopropyl ether	5.92	45	2773572	163.301	ug/l	94
23) Vinyl Acetate	5.87	43	9909676	722.852	ug/l #	87
24) 1,1-Dichloroethane	5.82	63	1471928	152.854	ug/l	99
25) 2-Butanone	6.81	43	3198611	832.750	ug/l	98
26) 2,2-Dichloropropane	6.80	77	1265580	144.129	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	842018	149.888	ug/l	100
28) Bromochloromethane	7.17	49	480734	143.751	ug/l	99
29) Tetrahydrofuran	7.19	42	2036220	828.302	ug/l	100
30) Chloroform	7.35	83	1439550	148.343	ug/l	99
31) Cyclohexane	7.63	56	1404486	152.006	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	1262957	153.065	ug/l	99
36) 1,1-Dichloropropene	7.77	75	1138048	156.292	ug/l	100
37) Ethyl Acetate	6.90	43	1250335	167.931	ug/l	99
38) Carbon Tetrachloride	7.75	117	1110042	156.454	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1368099	162.791	ug/l	98
40) Benzene	8.02	78	3217258	153.510	ug/l	97
41) Methacrylonitrile	7.16	41	556427m	164.704	ug/l	
42) 1,2-Dichloroethane	8.11	62	1209659	150.430	ug/l	99
43) Isopropyl Acetate	8.15	43	2060551	163.726	ug/l	100
44) Trichloroethene	8.82	130	794550	153.507	ug/l	99
45) 1,2-Dichloropropane	9.10	63	885165	157.551	ug/l	100
46) Dibromomethane	9.20	93	555922	156.604	ug/l	99
47) Bromodichloromethane	9.39	83	1164549	160.759	ug/l	100
48) Methyl methacrylate	9.19	41	991747	173.343	ug/l	98
49) 1,4-Dioxane	9.19	88	316988	3560.938	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	5158737	724.964	ug/l #	84
52) Toluene	10.15	92	2029726	158.679	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	1384679	166.784	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1454800	164.794	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	783775	149.611	ug/l	99
56) Ethyl methacrylate	10.43	69	1379050	180.181	ug/l	99
57) 1,3-Dichloropropane	10.70	76	1407787	157.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	2832682	782.529	ug/l	99
59) 2-Hexanone	10.75	43	4247097	769.943	ug/l	87
60) Dibromochloromethane	10.90	129	897167	165.862	ug/l	99
61) 1,2-Dibromoethane	11.00	107	840028	159.962	ug/l	99
64) Tetrachloroethene	10.62	164	694005	145.479	ug/l	99
65) Chlorobenzene	11.43	112	2111804	152.552	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	796288	155.417	ug/l	99
67) Ethyl Benzene	11.51	91	3654459	148.133	ug/l #	87
68) m/p-Xylenes	11.62	106	2927144	316.281	ug/l	79
69) o-Xylene	11.95	106	1423537	159.160	ug/l	92
70) Styrene	11.96	104	2444476	166.837	ug/l	100
71) Bromoform	12.13	173	666040	176.166	ug/l #	99
73) Isopropylbenzene	12.25	105	3587471	140.074	ug/l	94
74) N-amyl acetate	12.07	43	1943671	167.577	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1278769	150.358	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1127175m	142.666	ug/l	
77) Bromobenzene	12.53	156	919008	147.252	ug/l	99
78) n-propylbenzene	12.59	91	4075675	136.384	ug/l	93
79) 2-Chlorotoluene	12.68	91	2664951	143.711	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	3172582	145.099	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.30	75	495837	168.448	ug/l	97
82) 4-Chlorotoluene	12.78	91	2794458	146.918	ug/l	98
83) tert-Butylbenzene	13.00	119	2773433	148.100	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3174823	146.064	ug/l	94
85) sec-Butylbenzene	13.17	105	3569280	144.495	ug/l	95
86) p-Isopropyltoluene	13.29	119	3286609	146.765	ug/l	95
87) 1,3-Dichlorobenzene	13.29	146	1721885	150.120	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	1722139	147.473	ug/l	99
89) n-Butylbenzene	13.62	91	3136120	151.418	ug/l	93
90) Hexachloroethane	13.88	117	662214	163.619	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1673982	149.431	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	298095	149.648	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	1111462	164.149	ug/l	99
94) Hexachlorobutadiene	15.01	225	532933	148.101	ug/l	99
95) Naphthalene	15.13	128	3139766	161.691	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	1078108	162.752	ug/l	100

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

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