

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057804.D
 Acq On : 9 Sep 2019 16:32
 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
 9/10/2019 4:30:18 PM

Quant Time: Sep 10 02:52:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	390551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	629048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	612910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	377306	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	1129091	123.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	246.72%	
35) Dibromofluoromethane	7.57	113	836998	146.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.80%	
50) Toluene-d8	10.08	98	3189500	148.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.54%	
62) 4-Bromofluorobenzene	12.40	95	1317758	152.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	811061	133.577	ug/l	100
3) Chloromethane	2.03	50	698016	66.497	ug/l	100
4) Vinyl Chloride	2.16	62	757316	139.951	ug/l	100
5) Bromomethane	2.50	94	486416	183.926	ug/l	97
6) Chloroethane	2.66	64	470617m	145.594	ug/l	
7) Trichlorofluoromethane	2.98	101	1024856	122.474	ug/l	99
8) Diethyl Ether	3.39	74	416761	124.967	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	635932	121.222	ug/l	98
10) Methyl Iodide	3.92	142	792670	150.249	ug/l	99
11) Tert butyl alcohol	4.77	59	713058	664.529	ug/l	100
12) 1,1-Dichloroethene	3.71	96	558310	118.952	ug/l	98
13) Acrolein	3.58	56	599438	1036.451	ug/l	100
14) Allyl chloride	4.29	41	1141801	108.887	ug/l	100
15) Acrylonitrile	4.96	53	1912195	697.714	ug/l	100
16) Acetone	3.80	43	1763112	610.266	ug/l	97
17) Carbon Disulfide	4.02	76	994027	97.767	ug/l	100
18) Methyl Acetate	4.30	43	983181	125.694	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	2527161	127.330	ug/l	99
20) Methylene Chloride	4.52	84	735985	119.350	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	598344	121.107	ug/l	98
22) Diisopropyl ether	5.93	45	2893487	127.074	ug/l	97
23) Vinyl Acetate	5.87	43	8678970	481.662	ug/l #	85
24) 1,1-Dichloroethane	5.82	63	1454145	124.007	ug/l	99
25) 2-Butanone	6.82	43	2696057	653.644	ug/l	99
26) 2,2-Dichloropropane	6.81	77	1264749	130.662	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	838593	132.841	ug/l	99
28) Bromochloromethane	7.18	49	743774	119.891	ug/l	96
29) Tetrahydrofuran	7.19	42	1662336	629.761	ug/l	100
30) Chloroform	7.36	83	1542289	126.050	ug/l	99
31) Cyclohexane	7.64	56	1046744	103.275	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1279244	126.771	ug/l	99
36) 1,1-Dichloropropene	7.78	75	1011060	124.171	ug/l	99
37) Ethyl Acetate	6.91	43	1062221	131.510	ug/l	98
38) Carbon Tetrachloride	7.76	117	1047991	135.605	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1086187	126.926	ug/l	99
40) Benzene	8.03	78	3069289	131.859	ug/l	97
41) Methacrylonitrile	7.16	41	527533	133.337	ug/l	95
42) 1,2-Dichloroethane	8.11	62	1240436	116.245	ug/l	100
43) Isopropyl Acetate	8.15	43	1958137	126.962	ug/l #	92
44) Trichloroethene	8.82	130	760514	144.489	ug/l	98
45) 1,2-Dichloropropane	9.11	63	917487	140.364	ug/l	100
46) Dibromomethane	9.20	93	560584	134.950	ug/l	99
47) Bromodichloromethane	9.40	83	1239095	140.469	ug/l	98
48) Methyl methacrylate	9.19	41	963173	121.502	ug/l	99
49) 1,4-Dioxane	9.19	88	313746	3249.265	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	4456653	513.579	ug/l #	79
52) Toluene	10.15	92	2022033	142.288	ug/l	89
53) t-1,3-Dichloropropene	10.38	75	1414020	158.885	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1471096	152.486	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	878264	151.453	ug/l	99
56) Ethyl methacrylate	10.43	69	1416044	154.258	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1513097	145.990	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2952826	633.301	ug/l	95
59) 2-Hexanone	10.75	43	3644430	590.505	ug/l	85
60) Dibromochloromethane	10.90	129	965959	172.906	ug/l	100
61) 1,2-Dibromoethane	11.00	107	858480	155.436	ug/l	100
64) Tetrachloroethene	10.63	164	622274	132.021	ug/l	99
65) Chlorobenzene	11.43	112	2253563	140.573	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	884593	158.540	ug/l	100
67) Ethyl Benzene	11.51	91	3524291	115.894	ug/l #	79
68) m/p-Xylenes	11.62	106	2983254	282.012	ug/l #	69
69) o-Xylene	11.95	106	1548731	147.205	ug/l	88
70) Styrene	11.96	104	2664546	145.924	ug/l	95
71) Bromoform	12.13	173	659059	183.426	ug/l	98
73) Isopropylbenzene	12.25	105	3575268	109.335	ug/l	88
74) N-amyl acetate	12.07	43	1946132	121.364	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1370515	137.445	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1236152m	143.704	ug/l	
77) Bromobenzene	12.53	156	1029574	143.326	ug/l	98
78) n-propylbenzene	12.59	91	3916232	101.321	ug/l	85
79) 2-Chlorotoluene	12.68	91	2847069	120.758	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	3224021	115.843	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.30	75	446577	162.395	ug/l	94
82) 4-Chlorotoluene	12.78	91	2978411	122.355	ug/l	95
83) tert-Butylbenzene	13.00	119	2967651	125.405	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	3164120	114.655	ug/l	89
85) sec-Butylbenzene	13.17	105	3575105	110.165	ug/l	89
86) p-Isopropyltoluene	13.29	119	3283051	118.543	ug/l	88
87) 1,3-Dichlorobenzene	13.29	146	1946826	143.580	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	1936895	142.814	ug/l	98
89) n-Butylbenzene	13.62	91	3208524	118.183	ug/l	87
90) Hexachloroethane	13.88	117	677251	158.368	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1907506	143.052	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	263369	137.848	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	1264015	158.719	ug/l	98
94) Hexachlorobutadiene	15.01	225	544961	142.828	ug/l	98
95) Naphthalene	15.13	128	3233680	139.804	ug/l	96
96) 1,2,3-Trichlorobenzene	15.30	180	1203164	158.089	ug/l	100

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

