

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058699.D
 Acq On : 11 Oct 2019 13:20
 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
 10/16/2019 12:48:22 AM

Quant Time: Oct 11 23:49:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	463062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	753648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	713129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	372198	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	935152	139.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.28%	
35) Dibromofluoromethane	7.57	113	686922	149.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.04%	
50) Toluene-d8	10.08	98	2695534	148.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.64%	
62) 4-Bromofluorobenzene	12.40	95	1093648	165.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	330.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	867502	167.129	ug/l	99
3) Chloromethane	2.04	50	977878	169.086	ug/l	100
4) Vinyl Chloride	2.17	62	1038838	182.743	ug/l	99
5) Bromomethane	2.52	94	614221m	196.669	ug/l	
6) Chloroethane	2.67	64	616966	180.704	ug/l	99
7) Trichlorofluoromethane	2.99	101	1200279	176.920	ug/l	99
8) Diethyl Ether	3.39	74	444549	155.651	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	669452	149.769	ug/l	98
10) Methyl Iodide	3.93	142	1005166	193.332	ug/l	100
11) Tert butyl alcohol	4.76	59	817370	1018.278	ug/l	99
12) 1,1-Dichloroethene	3.71	96	657684	150.934	ug/l	95
13) Acrolein	3.58	56	663503	1840.654	ug/l	100
14) Allyl chloride	4.30	41	1341795	166.409	ug/l	98
15) Acrylonitrile	4.96	53	2092420	923.538	ug/l	100
16) Acetone	3.79	43	1912011	808.703	ug/l	100
17) Carbon Disulfide	4.03	76	2108962	178.543	ug/l	100
18) Methyl Acetate	4.30	43	1022413	170.698	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	2444365	157.878	ug/l	97
20) Methylene Chloride	4.53	84	778539	145.688	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	731885	150.489	ug/l	99
22) Diisopropyl ether	5.93	45	2693057	156.779	ug/l	96
23) Vinyl Acetate	5.87	43	9732324	745.146	ug/l #	87
24) 1,1-Dichloroethane	5.82	63	1465369	151.866	ug/l	99
25) 2-Butanone	6.81	43	2997190	915.703	ug/l	100
26) 2,2-Dichloropropane	6.80	77	1278298	159.573	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	844847	149.367	ug/l	99
28) Bromochloromethane	7.18	49	505439	134.530	ug/l	99
29) Tetrahydrofuran	7.19	42	1961567	939.698	ug/l	100
30) Chloroform	7.35	83	1431921	147.090	ug/l	99
31) Cyclohexane	7.63	56	1389774	148.486	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1275139	158.289	ug/l	99
36) 1,1-Dichloropropene	7.77	75	1139342	157.181	ug/l	100
37) Ethyl Acetate	6.91	43	1212179	190.534	ug/l	98
38) Carbon Tetrachloride	7.75	117	1126422	169.902	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1374453	161.925	ug/l	100
40) Benzene	8.02	78	3210751	154.185	ug/l	99
41) Methacrylonitrile	7.16	41	572127m	191.789	ug/l	
42) 1,2-Dichloroethane	8.11	62	1208921	149.287	ug/l	100
43) Isopropyl Acetate	8.15	43	2037558	172.929	ug/l	99
44) Trichloroethene	8.82	130	802777	156.351	ug/l	98
45) 1,2-Dichloropropane	9.11	63	876979	156.871	ug/l	100
46) Dibromomethane	9.20	93	556428	156.824	ug/l	99
47) Bromodichloromethane	9.39	83	1161048	171.352	ug/l	100
48) Methyl methacrylate	9.19	41	963759	180.022	ug/l	98
49) 1,4-Dioxane	9.19	88	305084	4189.244	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	5053742	818.960	ug/l #	85
52) Toluene	10.15	92	2046752	155.869	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	1389212	187.807	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	1450895	177.765	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	790039	164.694	ug/l	99
56) Ethyl methacrylate	10.43	69	1377782	187.944	ug/l	97
57) 1,3-Dichloropropane	10.71	76	1403162	163.890	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	3101169	1022.306	ug/l	98
59) 2-Hexanone	10.75	43	4161264	915.805	ug/l	87
60) Dibromochloromethane	10.90	129	900064	194.294	ug/l	100
61) 1,2-Dibromoethane	11.00	107	845754	171.848	ug/l	99
64) Tetrachloroethene	10.63	164	698993	152.379	ug/l	96
65) Chlorobenzene	11.43	112	2143902	151.113	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	803818	166.436	ug/l	100
67) Ethyl Benzene	11.51	91	3666516	142.456	ug/l #	87
68) m/p-Xylenes	11.62	106	2969927	306.667	ug/l	79
69) o-Xylene	11.95	106	1458859	156.929	ug/l	91
70) Styrene	11.97	104	2473868	163.794	ug/l	99
71) Bromoform	12.13	173	665299	215.386	ug/l #	99
73) Isopropylbenzene	12.25	105	3616243	132.124	ug/l	95
74) N-amyl acetate	12.07	43	1930948	173.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1280988	155.418	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1157613m	167.053	ug/l	
77) Bromobenzene	12.53	156	943162	146.490	ug/l	99
78) n-propylbenzene	12.59	91	4109404	132.713	ug/l	92
79) 2-Chlorotoluene	12.68	91	2713798	142.120	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	3226622	140.406	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.30	75	492735	207.447	ug/l	97
82) 4-Chlorotoluene	12.78	91	2860128	146.412	ug/l	98
83) tert-Butylbenzene	13.00	119	2837934	146.338	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3238902	140.680	ug/l	94
85) sec-Butylbenzene	13.18	105	3638736	142.083	ug/l	96
86) p-Isopropyltoluene	13.29	119	3355690	148.193	ug/l	94
87) 1,3-Dichlorobenzene	13.29	146	1781640	152.050	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1772439	152.297	ug/l	100
89) n-Butylbenzene	13.62	91	3206884	155.403	ug/l	94
90) Hexachloroethane	13.88	117	659304	189.477	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1712059	151.817	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	293430	195.536	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	1141880	181.561	ug/l	100
94) Hexachlorobutadiene	15.02	225	541906	165.412	ug/l	99
95) Naphthalene	15.13	128	3216514	193.131	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	1097639	190.760	ug/l	99

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

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