

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092719\
 Data File : VN058405.D
 Acq On : 27 Sep 2019 13:55
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092719

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 10:18:47 AM

Quant Time: Sep 30 08:12:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	536010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	892889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	806183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	393972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	375059	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	7.57	113	273044	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	10.08	98	1076285	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.41	95	399717	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	296708	50.484	ug/l	99
3) Chloromethane	2.03	50	326583	50.543	ug/l	99
4) Vinyl Chloride	2.17	62	313997	49.607	ug/l	100
5) Bromomethane	2.55	94	167716	49.884	ug/l	99
6) Chloroethane	2.69	64	178547	47.078	ug/l	96
7) Trichlorofluoromethane	3.00	101	370427	48.495	ug/l	99
8) Diethyl Ether	3.39	74	166738	50.592	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	256599	49.464	ug/l	100
10) Methyl Iodide	3.93	142	300434	52.230	ug/l	99
11) Tert butyl alcohol	4.75	59	226753	260.583	ug/l	98
12) 1,1-Dichloroethene	3.72	96	249437	49.330	ug/l	97
13) Acrolein	3.59	56	81778	295.475	ug/l	98
14) Allyl chloride	4.30	41	467279	50.781	ug/l	99
15) Acrylonitrile	4.96	53	666749	262.906	ug/l	100
16) Acetone	3.79	43	757513	283.695	ug/l	99
17) Carbon Disulfide	4.03	76	702892	52.735	ug/l	98
18) Methyl Acetate	4.30	43	320487	47.721	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	899827	50.436	ug/l	100
20) Methylene Chloride	4.53	84	292029	47.392	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	274592	48.835	ug/l	98
22) Diisopropyl ether	5.93	45	980078	49.494	ug/l	98
23) Vinyl Acetate	5.87	43	4139751	277.262	ug/l	99
24) 1,1-Dichloroethane	5.82	63	554472	49.754	ug/l	99
25) 2-Butanone	6.81	43	999677	272.685	ug/l	99
26) 2,2-Dichloropropane	6.80	77	472554	51.578	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	325099	49.469	ug/l	100
28) Bromochloromethane	7.18	49	217490	48.822	ug/l	99
29) Tetrahydrofuran	7.19	42	607276	260.990	ug/l	99
30) Chloroform	7.35	83	552211	48.899	ug/l	99
31) Cyclohexane	7.64	56	517236	47.714	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	475888	51.316	ug/l	99
36) 1,1-Dichloropropene	7.78	75	427193	50.036	ug/l	100
37) Ethyl Acetate	6.91	43	397256	54.880	ug/l	100
38) Carbon Tetrachloride	7.76	117	402479	52.225	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	514400	51.593	ug/l	98
40) Benzene	8.02	78	1219191	49.679	ug/l	100
41) Methacrylonitrile	7.15	41	166503	49.999	ug/l	96
42) 1,2-Dichloroethane	8.11	62	469098	49.131	ug/l	100
43) Isopropyl Acetate	8.15	43	683873	50.241	ug/l	99
44) Trichloroethene	8.82	130	306638	50.602	ug/l	98
45) 1,2-Dichloropropane	9.11	63	329369	50.042	ug/l	99
46) Dibromomethane	9.20	93	209188	50.186	ug/l	99
47) Bromodichloromethane	9.39	83	424397	53.739	ug/l	99
48) Methyl methacrylate	9.19	41	326980	52.755	ug/l	100
49) 1,4-Dioxane	9.19	88	78406	946.052	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1971809	282.011	ug/l	100
52) Toluene	10.15	92	768360	49.741	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	484919	56.413	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	523849	54.901	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	290245	51.603	ug/l	98
56) Ethyl methacrylate	10.43	69	479958	56.236	ug/l	98
57) 1,3-Dichloropropane	10.71	76	519663	51.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	938790	275.855	ug/l	100
59) 2-Hexanone	10.75	43	1494347	293.516	ug/l	100
60) Dibromochloromethane	10.90	129	305035	52.398	ug/l	98
61) 1,2-Dibromoethane	11.00	107	304958	53.062	ug/l	99
64) Tetrachloroethene	10.63	164	251159	49.036	ug/l	97
65) Chlorobenzene	11.43	112	804299	50.190	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	286569	53.076	ug/l	100
67) Ethyl Benzene	11.51	91	1503123	51.785	ug/l	100
68) m/p-Xylenes	11.62	106	1110947	101.728	ug/l	98
69) o-Xylene	11.95	106	538865	51.258	ug/l	99
70) Styrene	11.97	104	918893	53.803	ug/l	99
71) Bromoform	12.13	173	195755	52.430	ug/l	100
73) Isopropylbenzene	12.25	105	1460157	50.151	ug/l	100
74) N-amyl acetate	12.07	43	623119	53.796	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	434880	50.511	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	380304m	52.850	ug/l	
77) Bromobenzene	12.53	156	336289	49.259	ug/l	99
78) n-propylbenzene	12.60	91	1722624	52.516	ug/l	100
79) 2-Chlorotoluene	12.68	91	1016100	50.187	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1253079	51.414	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	131909	55.674	ug/l	98
82) 4-Chlorotoluene	12.78	91	1055915	51.110	ug/l	100
83) tert-Butylbenzene	13.00	119	1054323	51.265	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1266768	51.876	ug/l	100
85) sec-Butylbenzene	13.18	105	1427914	52.751	ug/l	100
86) p-Isopropyltoluene	13.30	119	1296245	54.402	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	622499	50.286	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	622802	50.567	ug/l	100
89) n-Butylbenzene	13.62	91	1190750	55.169	ug/l	99
90) Hexachloroethane	13.88	117	205539	57.413	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	605505	50.907	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	86459	56.947	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	377823	57.484	ug/l	100
94) Hexachlorobutadiene	15.02	225	174670	51.704	ug/l	99
95) Naphthalene	15.13	128	1061312	55.141	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	356882	54.161	ug/l	99

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

