

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058700.D
 Acq On : 11 Oct 2019 13:50
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:23 AM

Quant Time: Oct 12 00:05:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	514342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	835866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	771149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	378492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	359216	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.57	113	262374	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.09	98	1042925	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	393374	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	313842	48.993	ug/l	99
3) Chloromethane	2.04	50	360918	47.381	ug/l	99
4) Vinyl Chloride	2.17	62	373212	49.193	ug/l	99
5) Bromomethane	2.55	94	224444	48.632	ug/l	100
6) Chloroethane	2.68	64	222658	47.581	ug/l	98
7) Trichlorofluoromethane	3.00	101	441226	48.595	ug/l	99
8) Diethyl Ether	3.39	74	164104	48.917	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	247383	47.784	ug/l	98
10) Methyl Iodide	3.93	142	343707	48.651	ug/l	99
11) Tert butyl alcohol	4.75	59	292938	251.197	ug/l	100
12) 1,1-Dichloroethene	3.72	96	241706	48.933	ug/l	94
13) Acrolein	3.58	56	228716	243.862	ug/l	99
14) Allyl chloride	4.30	41	484342m	48.588	ug/l	
15) Acrylonitrile	4.96	53	764356	259.907	ug/l	100
16) Acetone	3.79	43	748955	251.239	ug/l	98
17) Carbon Disulfide	4.03	76	749030	47.439	ug/l	99
18) Methyl Acetate	4.30	43	376585	49.802	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	890649	50.496	ug/l	96
20) Methylene Chloride	4.53	84	280338	44.996	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	264054	47.791	ug/l	99
22) Diisopropyl ether	5.92	45	954795	49.263	ug/l	100
23) Vinyl Acetate	5.87	43	4194869	268.229	ug/l	99
24) 1,1-Dichloroethane	5.82	63	535858	48.544	ug/l	99
25) 2-Butanone	6.81	43	1110076	257.630	ug/l	99
26) 2,2-Dichloropropane	6.80	77	467871	46.433	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	306040	47.499	ug/l	99
28) Bromochloromethane	7.17	49	188669	49.130	ug/l	100
29) Tetrahydrofuran	7.19	42	728653	261.684	ug/l	100
30) Chloroform	7.35	83	517954	46.703	ug/l	100
31) Cyclohexane	7.63	56	491377	46.524	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	454878	48.094	ug/l	99
36) 1,1-Dichloropropene	7.77	75	402699	47.650	ug/l	100
37) Ethyl Acetate	6.91	43	447291	52.333	ug/l	98
38) Carbon Tetrachloride	7.75	117	400611	48.638	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	481529	49.102	ug/l	98
40) Benzene	8.02	78	1166847	48.074	ug/l	100
41) Methacrylonitrile	7.16	41	212229m	53.046	ug/l	
42) 1,2-Dichloroethane	8.11	62	446958	47.932	ug/l	99
43) Isopropyl Acetate	8.15	43	731841	50.263	ug/l	100
44) Trichloroethene	8.82	130	288598	47.881	ug/l	98
45) 1,2-Dichloropropane	9.11	63	313081	48.184	ug/l	98
46) Dibromomethane	9.20	93	200114	48.577	ug/l	99
47) Bromodichloromethane	9.39	83	410266	48.906	ug/l	99
48) Methyl methacrylate	9.19	41	334893	50.741	ug/l	98
49) 1,4-Dioxane	9.19	88	92386	904.813	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2257876	276.120	ug/l	100
52) Toluene	10.15	92	731227	49.257	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	482984	50.199	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	514859	50.400	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	282504	46.495	ug/l	99
56) Ethyl methacrylate	10.43	69	479848	54.058	ug/l	97
57) 1,3-Dichloropropane	10.70	76	504806	48.755	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1023002	239.142	ug/l	99
59) 2-Hexanone	10.75	43	1753701	277.513	ug/l	99
60) Dibromochloromethane	10.90	129	313153	49.962	ug/l	99
61) 1,2-Dibromoethane	11.00	107	301595	49.546	ug/l	99
64) Tetrachloroethene	10.63	164	254460	47.151	ug/l	97
65) Chlorobenzene	11.43	112	768151	49.050	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	285802	49.354	ug/l	100
67) Ethyl Benzene	11.51	91	1429938	51.223	ug/l	99
68) m/p-Xylenes	11.62	106	1063094	101.478	ug/l	100
69) o-Xylene	11.95	106	509037	50.222	ug/l	98
70) Styrene	11.97	104	847357	51.007	ug/l	100
71) Bromoform	12.13	173	223385	52.628	ug/l #	100
73) Isopropylbenzene	12.25	105	1398493	51.019	ug/l	99
74) N-amyl acetate	12.07	43	663553	53.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	447507	49.557	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	402152m	48.433	ug/l	
77) Bromobenzene	12.53	156	324726	48.704	ug/l	100
78) n-propylbenzene	12.59	91	1653834	51.777	ug/l	100
79) 2-Chlorotoluene	12.68	91	963034	48.576	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1191643	50.920	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	165864	53.509	ug/l	96
82) 4-Chlorotoluene	12.78	91	1012398	49.765	ug/l	100
83) tert-Butylbenzene	13.00	119	1008685	50.314	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1186271	51.062	ug/l	99
85) sec-Butylbenzene	13.18	105	1366628	51.734	ug/l	100
86) p-Isopropyltoluene	13.29	119	1242422	51.748	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	598252	48.654	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	593725	47.492	ug/l	99
89) n-Butylbenzene	13.62	91	1143616	51.514	ug/l	100
90) Hexachloroethane	13.88	117	216519	50.401	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	582663	48.620	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	102874	48.764	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	367469	50.266	ug/l	99
94) Hexachlorobutadiene	15.02	225	189288	49.169	ug/l	99
95) Naphthalene	15.13	128	1110936	52.877	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	355985	49.877	ug/l	100

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

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