

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058282.D
 Acq On : 23 Sep 2019 11:28
 Operator : JC/SP
 Sample : VN0923WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:33 AM

Quant Time: Sep 24 08:23:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	434697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	760119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	675716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	313142	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	327229	54.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.10%	
35) Dibromofluoromethane	7.57	113	231967	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
50) Toluene-d8	10.09	98	894610	49.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.41	95	318564	47.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	64933	18.184	ug/l	99
3) Chloromethane	2.03	50	57703	20.351	ug/l	98
4) Vinyl Chloride	2.17	62	62516	20.230	ug/l	98
5) Bromomethane	2.55	94	33875	21.676	ug/l	99
6) Chloroethane	2.69	64	42748	21.161	ug/l	98
7) Trichlorofluoromethane	3.00	101	94316	19.350	ug/l	98
8) Diethyl Ether	3.39	74	44462	19.908	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70458	20.049	ug/l	99
10) Methyl Iodide	3.93	142	52740	17.910	ug/l	99
11) Tert butyl alcohol	4.76	59	83146	115.449	ug/l	100
12) 1,1-Dichloroethene	3.72	96	54468	20.212	ug/l	93
13) Acrolein	3.59	56	9123	85.477	ug/l	89
14) Allyl chloride	4.30	41	109559	19.052	ug/l	96
15) Acrylonitrile	4.96	53	220568	114.951	ug/l	100
16) Acetone	3.80	43	202432	98.501	ug/l	97
17) Carbon Disulfide	4.03	76	70149	18.857	ug/l	98
18) Methyl Acetate	4.30	43	119678	22.131	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	278983	21.048	ug/l	98
20) Methylene Chloride	4.53	84	79244	21.899	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	59072	20.086	ug/l	94
22) Diisopropyl ether	5.93	45	300632	20.581	ug/l	96
23) Vinyl Acetate	5.87	43	1100256	110.080	ug/l	99
24) 1,1-Dichloroethane	5.82	63	159756	20.492	ug/l	99
25) 2-Butanone	6.82	43	311648	111.308	ug/l	100
26) 2,2-Dichloropropane	6.81	77	124599	18.839	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	88637	20.107	ug/l	99
28) Bromochloromethane	7.18	49	84395	22.883	ug/l	99
29) Tetrahydrofuran	7.19	42	191998	111.326	ug/l	99
30) Chloroform	7.36	83	172333	20.536	ug/l	99
31) Cyclohexane	7.64	56	108210	20.025	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	133111	20.836	ug/l	99
36) 1,1-Dichloropropene	7.78	75	97439	17.776	ug/l	99
37) Ethyl Acetate	6.91	43	121659	21.386	ug/l #	92
38) Carbon Tetrachloride	7.76	117	104798	19.019	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	93719	17.729	ug/l	94
40) Benzene	8.03	78	318969	19.051	ug/l	99
41) Methacrylonitrile	7.15	41	57761	20.699	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	140183	19.954	ug/l	99
43) Isopropyl Acetate	8.15	43	202697	19.079	ug/l #	93
44) Trichloroethene	8.82	130	77630	18.947	ug/l	99
45) 1,2-Dichloropropane	9.11	63	100779	20.156	ug/l	96
46) Dibromomethane	9.20	93	61823	20.337	ug/l	96
47) Bromodichloromethane	9.40	83	129674	20.362	ug/l	98
48) Methyl methacrylate	9.19	41	98514	20.422	ug/l	97
49) 1,4-Dioxane	9.19	88	34150	431.195	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	670589	118.833	ug/l	98
52) Toluene	10.15	92	198725	18.939	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	126531	19.396	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	140013	19.440	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	97121	20.857	ug/l	99
56) Ethyl methacrylate	10.43	69	136705	20.348	ug/l	99
57) 1,3-Dichloropropane	10.71	76	163607	20.438	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	361680	113.019	ug/l	99
59) 2-Hexanone	10.75	43	480279	114.595	ug/l	98
60) Dibromochloromethane	10.90	129	90241	20.144	ug/l	99
61) 1,2-Dibromoethane	11.00	107	86411	20.024	ug/l	100
64) Tetrachloroethene	10.63	164	60069	18.236	ug/l	98
65) Chlorobenzene	11.43	112	234155	19.701	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	89155	20.687	ug/l	99
67) Ethyl Benzene	11.51	91	407490	20.009	ug/l	98
68) m/p-Xylenes	11.62	106	293347	38.245	ug/l	95
69) o-Xylene	11.95	106	147696	19.583	ug/l	98
70) Styrene	11.97	104	256501	19.739	ug/l	99
71) Bromoform	12.13	173	55824	19.810	ug/l #	99
73) Isopropylbenzene	12.25	105	415744	21.211	ug/l	99
74) N-amyl acetate	12.07	43	179094	21.841	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	153058	23.319	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	120831m	21.561	ug/l	
77) Bromobenzene	12.53	156	101326	20.551	ug/l	100
78) n-propylbenzene	12.60	91	493823	22.171	ug/l	98
79) 2-Chlorotoluene	12.68	91	296622	21.309	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	355079	21.423	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	33712	21.614	ug/l	97
82) 4-Chlorotoluene	12.78	91	304937	20.840	ug/l	100
83) tert-Butylbenzene	13.00	119	311622	21.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	354139	21.470	ug/l	98
85) sec-Butylbenzene	13.18	105	420009	21.730	ug/l	99
86) p-Isopropyltoluene	13.30	119	372194	21.660	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	186808	20.744	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	185931	20.224	ug/l	98
89) n-Butylbenzene	13.62	91	332394	20.403	ug/l	99
90) Hexachloroethane	13.88	117	59470	21.445	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	187667	20.775	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26764	22.649	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	109095	18.902	ug/l	99
94) Hexachlorobutadiene	15.02	225	51527	18.471	ug/l	99
95) Naphthalene	15.13	128	311301	20.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	107542	19.714	ug/l	99

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

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