

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091719\
 Data File : VN058140.D
 Acq On : 17 Sep 2019 11:43
 Operator : JC/SP
 Sample : VN0917WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 4:41:31 PM

Quant Time: Sep 18 03:28:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	313414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	506043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	286219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	333689	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
35) Dibromofluoromethane	7.57	113	240033	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.08	98	950310	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.40	95	344982	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	87837	20.265	ug/l	98
3) Chloromethane	2.04	50	74289	16.816	ug/l	97
4) Vinyl Chloride	2.17	62	78058	16.695	ug/l	99
5) Bromomethane	2.55	94	25713	8.753	ug/l	92
6) Chloroethane	2.69	64	50772	17.042	ug/l	92
7) Trichlorofluoromethane	3.00	101	111445	18.941	ug/l	100
8) Diethyl Ether	3.39	74	50634	20.633	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78537	21.159	ug/l	98
10) Methyl Iodide	3.93	142	40158	9.722	ug/l	99
11) Tert butyl alcohol	4.75	59	79720	103.761	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	66450	19.911	ug/l	99
13) Acrolein	3.59	56	34450	52.852	ug/l	99
14) Allyl chloride	4.30	41	128432	19.665	ug/l	98
15) Acrylonitrile	4.96	53	230904	109.342	ug/l	100
16) Acetone	3.79	43	208914	100.392	ug/l	98
17) Carbon Disulfide	4.03	76	89445	17.324	ug/l	99
18) Methyl Acetate	4.30	43	133262	24.018	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	306917	22.098	ug/l	98
20) Methylene Chloride	4.53	84	89970	22.022	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	70917	19.657	ug/l	97
22) Diisopropyl ether	5.93	45	337416	22.030	ug/l	99
23) Vinyl Acetate	5.87	43	1195835	110.169	ug/l	99
24) 1,1-Dichloroethane	5.82	63	179606	21.457	ug/l	99
25) 2-Butanone	6.82	43	316709	105.152	ug/l	98
26) 2,2-Dichloropropane	6.80	77	136891	20.665	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	102167	21.132	ug/l	99
28) Bromochloromethane	7.18	49	87517	20.928	ug/l	98
29) Tetrahydrofuran	7.19	42	198577	106.995	ug/l	98
30) Chloroform	7.36	83	189977	21.706	ug/l	98
31) Cyclohexane	7.64	56	119423	19.575	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	149402	21.523	ug/l	99
36) 1,1-Dichloropropene	7.78	75	110276	18.790	ug/l	98
37) Ethyl Acetate	6.91	43	126439	20.852	ug/l	99
38) Carbon Tetrachloride	7.76	117	116437	21.731	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	114667	18.586	ug/l	97
40) Benzene	8.03	78	366207	20.726	ug/l	97
41) Methacrylonitrile	7.16	41	61172	22.225	ug/l	96
42) 1,2-Dichloroethane	8.11	62	154191	21.820	ug/l	100
43) Isopropyl Acetate	8.15	43	246351	24.159	ug/l	96
44) Trichloroethene	8.82	130	89216	20.587	ug/l	100
45) 1,2-Dichloropropane	9.11	63	112597	21.900	ug/l	100
46) Dibromomethane	9.20	93	67143	21.611	ug/l	98
47) Bromodichloromethane	9.40	83	140818	22.698	ug/l	98
48) Methyl methacrylate	9.19	41	106083	20.509	ug/l	99
49) 1,4-Dioxane	9.19	88	36254	414.465	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	698110	115.692	ug/l	99
52) Toluene	10.15	92	230002	20.668	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	139756	21.392	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	153635	21.300	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	105414	22.362	ug/l	98
56) Ethyl methacrylate	10.43	69	151004	21.272	ug/l	99
57) 1,3-Dichloropropane	10.71	76	177423	21.840	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	331258	99.078	ug/l	100
59) 2-Hexanone	10.75	43	492977	108.997	ug/l	99
60) Dibromochloromethane	10.90	129	97502	22.274	ug/l	98
61) 1,2-Dibromoethane	11.00	107	96415	21.635	ug/l	100
64) Tetrachloroethene	10.63	164	71851	20.357	ug/l	97
65) Chlorobenzene	11.43	112	268630	21.473	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	98669	22.730	ug/l	99
67) Ethyl Benzene	11.51	91	468525	21.370	ug/l	98
68) m/p-Xylenes	11.62	106	335963	41.833	ug/l	96
69) o-Xylene	11.95	106	172018	21.545	ug/l	98
70) Styrene	11.97	104	294685	21.447	ug/l	98
71) Bromoform	12.13	173	57847	21.374	ug/l	97
73) Isopropylbenzene	12.25	105	477887	21.517	ug/l	99
74) N-amyl acetate	12.07	43	195726	20.250	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	160973	21.526	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	140623m	21.719	ug/l	
77) Bromobenzene	12.53	156	115893	20.929	ug/l	95
78) n-propylbenzene	12.59	91	554126	21.727	ug/l	99
79) 2-Chlorotoluene	12.68	91	334449	20.749	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	407432	21.711	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35713	19.410	ug/l	92
82) 4-Chlorotoluene	12.78	91	343347	20.742	ug/l	99
83) tert-Butylbenzene	13.00	119	350412	21.007	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	410514	21.524	ug/l	100
85) sec-Butylbenzene	13.18	105	477725	21.607	ug/l	100
86) p-Isopropyltoluene	13.29	119	423320	21.730	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	216319	21.283	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	210121	20.367	ug/l	98
89) n-Butylbenzene	13.62	91	387744	21.077	ug/l	99
90) Hexachloroethane	13.88	117	59779	20.633	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	215814	21.254	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	27032	21.889	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	132551	19.972	ug/l	99
94) Hexachlorobutadiene	15.02	225	62443	22.195	ug/l	98
95) Naphthalene	15.13	128	356751	20.360	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	123230	21.842	ug/l	98

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

