

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
 Data File : VN057902.D
 Acq On : 11 Sep 2019 6:38
 Operator : JC/SP
 Sample : VN0911WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:07:03 AM

Quant Time: Sep 11 07:31:41 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	302344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	513280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270709	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	323553	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
35) Dibromofluoromethane	7.57	113	228031	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	10.09	98	936112	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.40	95	322762	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	85932	20.552	ug/l	98
3) Chloromethane	2.03	50	80470	18.882	ug/l	97
4) Vinyl Chloride	2.16	62	85588	18.976	ug/l	98
5) Bromomethane	2.54	94	47100	18.030	ug/l	90
6) Chloroethane	2.68	64	55147	19.188	ug/l	99
7) Trichlorofluoromethane	2.99	101	105787	18.637	ug/l	98
8) Diethyl Ether	3.39	74	46915	19.817	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	72117	20.141	ug/l	97
10) Methyl Iodide	3.93	142	56915	14.284	ug/l	100
11) Tert butyl alcohol	4.77	59	76766	103.574	ug/l	100
12) 1,1-Dichloroethene	3.71	96	61359	19.059	ug/l	98
13) Acrolein	3.59	56	45352	72.124	ug/l	99
14) Allyl chloride	4.30	41	108432	17.210	ug/l	97
15) Acrylonitrile	4.96	53	204704	100.484	ug/l	100
16) Acetone	3.80	43	176504	87.923	ug/l	96
17) Carbon Disulfide	4.03	76	86238	17.315	ug/l	98
18) Methyl Acetate	4.30	43	112333	20.987	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	279565	20.866	ug/l	97
20) Methylene Chloride	4.53	84	82823	20.957	ug/l	94
21) trans-1,2-Dichloroethene	5.02	96	67366	19.357	ug/l	92
22) Diisopropyl ether	5.93	45	302604	20.481	ug/l	97
23) Vinyl Acetate	5.87	43	1052045	100.471	ug/l	99
24) 1,1-Dichloroethane	5.83	63	163122	20.201	ug/l	100
25) 2-Butanone	6.82	43	285658	98.316	ug/l	97
26) 2,2-Dichloropropane	6.80	77	75968	11.888	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	94738	20.313	ug/l	95
28) Bromochloromethane	7.18	49	84408	20.923	ug/l	100
29) Tetrahydrofuran	7.19	42	181747	101.512	ug/l	99
30) Chloroform	7.36	83	171341	20.294	ug/l	100
31) Cyclohexane	7.64	56	117900	20.088	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	131450	19.630	ug/l	100
36) 1,1-Dichloropropene	7.78	75	110514	18.565	ug/l	98
37) Ethyl Acetate	6.91	43	113109	18.391	ug/l	98
38) Carbon Tetrachloride	7.76	117	101643	18.702	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	108720	17.374	ug/l	97
40) Benzene	8.03	78	346056	19.310	ug/l	98
41) Methacrylonitrile	7.17	41	60637m	21.720	ug/l	
42) 1,2-Dichloroethane	8.11	62	143493	20.020	ug/l	100
43) Isopropyl Acetate	8.15	43	195749	18.926	ug/l #	90
44) Trichloroethene	8.83	130	83612	19.022	ug/l	97
45) 1,2-Dichloropropane	9.11	63	101029	19.373	ug/l	99
46) Dibromomethane	9.20	93	62954	19.977	ug/l	98
47) Bromodichloromethane	9.40	83	122625	19.487	ug/l	98
48) Methyl methacrylate	9.19	41	98469	18.769	ug/l	98
49) 1,4-Dioxane	9.19	88	33885	381.920	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	628363	102.665	ug/l	99
52) Toluene	10.15	92	217695	19.286	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	113356	17.106	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	129052	17.639	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	94684	19.803	ug/l	99
56) Ethyl methacrylate	10.43	69	137987	19.164	ug/l	98
57) 1,3-Dichloropropane	10.71	76	162775	19.754	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	342415	100.971	ug/l	99
59) 2-Hexanone	10.75	43	444374	96.865	ug/l	100
60) Dibromochloromethane	10.90	129	80946	18.231	ug/l	99
61) 1,2-Dibromoethane	11.00	107	86731	19.187	ug/l	100
64) Tetrachloroethene	10.63	164	70877	20.046	ug/l	96
65) Chlorobenzene	11.43	112	244734	19.528	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	83873	19.287	ug/l	99
67) Ethyl Benzene	11.51	91	437730	19.930	ug/l	99
68) m/p-Xylenes	11.62	106	315871	39.262	ug/l	99
69) o-Xylene	11.95	106	162255	20.287	ug/l	98
70) Styrene	11.97	104	273874	19.897	ug/l	100
71) Bromoform	12.13	173	47973	17.694	ug/l #	99
73) Isopropylbenzene	12.25	105	437314	20.818	ug/l	100
74) N-amyl acetate	12.07	43	179323	19.615	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	138574	19.593	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	112410m	18.356	ug/l	
77) Bromobenzene	12.53	156	103142	19.694	ug/l	96
78) n-propylbenzene	12.60	91	504997	20.936	ug/l	99
79) 2-Chlorotoluene	12.68	91	302935	19.870	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	370246	20.860	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25737	14.789	ug/l	89
82) 4-Chlorotoluene	12.78	91	307067	19.613	ug/l	99
83) tert-Butylbenzene	13.00	119	317818	20.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	367501	20.372	ug/l	100
85) sec-Butylbenzene	13.18	105	434258	20.767	ug/l	99
86) p-Isopropyltoluene	13.29	119	378208	20.527	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	188954	19.656	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	190901	19.564	ug/l	99
89) n-Butylbenzene	13.62	91	341523	19.628	ug/l	99
90) Hexachloroethane	13.88	117	51607	18.833	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	189049	19.685	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22389	19.168	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	109925	17.512	ug/l	97
94) Hexachlorobutadiene	15.01	225	49468	18.590	ug/l	97
95) Naphthalene	15.13	128	324910	19.546	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	107418	20.208	ug/l	100

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

