

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056216.D
 Acq On : 11 Jun 2019 12:16
 Operator : JC/SP
 Sample : VN0611WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/12/2019 11:11:26 AM

Quant Time: Jun 12 07:00:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	282155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	400252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	360810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144860	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	142071	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.42%	
35) Dibromofluoromethane	7.59	113	128939	52.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.02%	
50) Toluene-d8	10.09	98	470149	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	152343	47.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	56975	18.605	ug/l	100
3) Chloromethane	2.06	50	58406	19.096	ug/l	99
4) Vinyl Chloride	2.18	62	59719	19.465	ug/l	100
5) Bromomethane	2.54	94	36425	18.795	ug/l	98
6) Chloroethane	2.68	64	33841	19.024	ug/l	96
7) Trichlorofluoromethane	3.01	101	76319	19.486	ug/l	99
8) Diethyl Ether	3.40	74	30396	18.872	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	47428	19.934	ug/l	97
10) Methyl Iodide	3.94	142	66752	17.655	ug/l	99
11) Tert butyl alcohol	4.81	59	41791	85.719	ug/l	98
12) 1,1-Dichloroethene	3.72	96	46215	19.511	ug/l	97
13) Acrolein	3.60	56	11992	85.287	ug/l	97
14) Allyl chloride	4.31	41	72293	19.329	ug/l	99
15) Acrylonitrile	4.99	53	130545	109.998	ug/l	100
16) Acetone	3.82	43	121273	90.509	ug/l	98
17) Carbon Disulfide	4.04	76	99876	17.610	ug/l	100
18) Methyl Acetate	4.33	43	60457	22.654	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	150815	19.975	ug/l	99
20) Methylene Chloride	4.54	84	54650	19.797	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	48390	19.067	ug/l	97
22) Diisopropyl ether	5.95	45	152541	19.730	ug/l	97
23) Vinyl Acetate	5.90	43	607256	99.736	ug/l	99
24) 1,1-Dichloroethane	5.84	63	89828	20.141	ug/l	98
25) 2-Butanone	6.84	43	177067	104.593	ug/l	99
26) 2,2-Dichloropropane	6.82	77	59328	17.048	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	59301	19.878	ug/l	96
28) Bromochloromethane	7.19	49	45404	21.528	ug/l	97
29) Tetrahydrofuran	7.22	42	111605	106.650	ug/l	98
30) Chloroform	7.37	83	94364	21.033	ug/l	100
31) Cyclohexane	7.65	56	80151	18.030	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	75652	20.193	ug/l	99
36) 1,1-Dichloropropene	7.79	75	64658	18.787	ug/l	99
37) Ethyl Acetate	6.93	43	66197	21.617	ug/l	100
38) Carbon Tetrachloride	7.77	117	65179	20.542	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	76214	17.777	ug/l	100
40) Benzene	8.04	78	213882	20.461	ug/l	100
41) Methacrylonitrile	7.18	41	30626	21.737	ug/l	91
42) 1,2-Dichloroethane	8.12	62	69348	20.625	ug/l	100
43) Isopropyl Acetate	8.17	43	99946	20.142	ug/l #	91
44) Trichloroethene	8.83	130	60405	20.111	ug/l	95
45) 1,2-Dichloropropane	9.12	63	54922	20.513	ug/l	98
46) Dibromomethane	9.21	93	37331	21.322	ug/l	98
47) Bromodichloromethane	9.40	83	68489	21.583	ug/l	98
48) Methyl methacrylate	9.20	41	49863	20.540	ug/l	97
49) 1,4-Dioxane	9.20	88	22273	424.976	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	330347	106.457	ug/l	100
52) Toluene	10.16	92	131399	20.201	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	62900	18.494	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	76457	20.045	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	54312	21.080	ug/l	96
56) Ethyl methacrylate	10.43	69	75317	20.037	ug/l	98
57) 1,3-Dichloropropane	10.71	76	89694	21.414	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	120495	90.915	ug/l	99
59) 2-Hexanone	10.75	43	232761	103.492	ug/l	100
60) Dibromochloromethane	10.90	129	56630	21.403	ug/l	97
61) 1,2-Dibromoethane	11.00	107	56664	21.513	ug/l	100
64) Tetrachloroethene	10.63	164	62534	20.022	ug/l	96
65) Chlorobenzene	11.43	112	142262	19.811	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	53507	21.580	ug/l	99
67) Ethyl Benzene	11.51	91	240380	19.251	ug/l	100
68) m/p-Xylenes	11.62	106	184083	38.593	ug/l	98
69) o-Xylene	11.95	106	91335	19.466	ug/l	98
70) Styrene	11.96	104	145047	19.457	ug/l	99
71) Bromoform	12.13	173	40314	21.046	ug/l #	99
73) Isopropylbenzene	12.25	105	239479	21.829	ug/l	100
74) N-amyl acetate	12.07	43	77364	20.035	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	76495	22.747	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	60783m	22.804	ug/l	
77) Bromobenzene	12.53	156	64485	20.792	ug/l	96
78) n-propylbenzene	12.59	91	240624	19.635	ug/l	99
79) 2-Chlorotoluene	12.67	91	150998	20.861	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	193411	19.858	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	14532	18.156	ug/l #	82
82) 4-Chlorotoluene	12.77	91	139889	19.511	ug/l	100
83) tert-Butylbenzene	12.99	119	177237	21.921	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	183033	19.817	ug/l	98
85) sec-Butylbenzene	13.17	105	217053	19.999	ug/l	100
86) p-Isopropyltoluene	13.29	119	188615	19.419	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	93810	19.543	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	87814	19.018	ug/l	99
89) n-Butylbenzene	13.61	91	123101	17.109	ug/l	99
90) Hexachloroethane	13.87	117	31211	21.307	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	97733	20.167	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10743	22.335	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	34483	16.079	ug/l	100
94) Hexachlorobutadiene	15.01	225	38696	22.118	ug/l	98
95) Naphthalene	15.13	128	93786	16.345	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41451	17.338	ug/l	98

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

