

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070819\
 Data File : VN056607.D
 Acq On : 8 Jul 2019 14:21
 Operator : JC/SP
 Sample : VN0708WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 9:46:41 AM

Quant Time: Jul 09 04:04:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	318238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	477353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	421069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186753	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	160261	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
35) Dibromofluoromethane	7.59	113	140507	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
50) Toluene-d8	10.09	98	524497	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	
62) 4-Bromofluorobenzene	12.40	95	180090	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	43554	16.163	ug/l	100
3) Chloromethane	2.06	50	55916	15.240	ug/l	100
4) Vinyl Chloride	2.18	62	57064	16.103	ug/l	98
5) Bromomethane	2.53	94	32696m	15.738	ug/l	
6) Chloroethane	2.68	64	33309	16.231	ug/l	100
7) Trichlorofluoromethane	3.00	101	80238	17.504	ug/l	95
8) Diethyl Ether	3.41	74	33636	17.338	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	51328	17.558	ug/l	98
10) Methyl Iodide	3.95	142	56103	14.199	ug/l	99
11) Tert butyl alcohol	4.79	59	51732	87.084	ug/l	99
12) 1,1-Dichloroethene	3.73	96	47406	16.863	ug/l	98
13) Acrolein	3.60	56	28580	57.083	ug/l	98
14) Allyl chloride	4.32	41	83094	17.756	ug/l	100
15) Acrylonitrile	4.99	53	150023	91.286	ug/l	99
16) Acetone	3.81	43	135989	76.956	ug/l	100
17) Carbon Disulfide	4.05	76	96414	15.078	ug/l	100
18) Methyl Acetate	4.32	43	68406	19.231	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	166293	17.876	ug/l	97
20) Methylene Chloride	4.54	84	58313	16.916	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	50100	16.529	ug/l	96
22) Diisopropyl ether	5.95	45	185132	18.837	ug/l	98
23) Vinyl Acetate	5.89	43	735817	94.923	ug/l	99
24) 1,1-Dichloroethane	5.84	63	101694	18.026	ug/l	100
25) 2-Butanone	6.83	43	208137	88.994	ug/l	99
26) 2,2-Dichloropropane	6.82	77	74195	18.909	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	63598	17.935	ug/l	99
28) Bromochloromethane	7.19	49	51725	18.536	ug/l	100
29) Tetrahydrofuran	7.21	42	135209	94.602	ug/l	97
30) Chloroform	7.37	83	103479	18.588	ug/l	98
31) Cyclohexane	7.65	56	91565	16.812	ug/l #	96
32) 1,1,1-Trichloroethane	7.57	97	80577	18.261	ug/l	99
36) 1,1-Dichloropropene	7.79	75	71865	17.104	ug/l	99
37) Ethyl Acetate	6.93	43	79715	19.306	ug/l	99
38) Carbon Tetrachloride	7.77	117	68437	18.626	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	85170	16.428	ug/l	99
40) Benzene	8.04	78	231013	17.875	ug/l	99
41) Methacrylonitrile	7.17	41	35707	19.584	ug/l	90
42) 1,2-Dichloroethane	8.12	62	76371	17.906	ug/l	100
43) Isopropyl Acetate	8.16	43	123620	19.416	ug/l	99
44) Trichloroethene	8.83	130	60821	17.470	ug/l	96
45) 1,2-Dichloropropane	9.12	63	62710	18.143	ug/l	97
46) Dibromomethane	9.21	93	39447	18.242	ug/l	99
47) Bromodichloromethane	9.40	83	76238	19.879	ug/l	99
48) Methyl methacrylate	9.20	41	60953	19.104	ug/l	96
49) 1,4-Dioxane	9.20	88	25377	383.272	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	403986	98.307	ug/l	99
52) Toluene	10.15	92	140293	17.755	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	76684	19.066	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	88386	19.137	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	59832	18.838	ug/l	97
56) Ethyl methacrylate	10.43	69	88498	19.066	ug/l	99
57) 1,3-Dichloropropane	10.71	76	99913	18.726	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	226578	135.880	ug/l	98
59) 2-Hexanone	10.75	43	289256	95.771	ug/l	100
60) Dibromochloromethane	10.90	129	58209	19.363	ug/l	99
61) 1,2-Dibromoethane	11.00	107	59551	18.358	ug/l	99
64) Tetrachloroethene	10.63	164	57872	17.355	ug/l	99
65) Chlorobenzene	11.43	112	152532	18.028	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	56767	19.852	ug/l	99
67) Ethyl Benzene	11.51	91	267953	18.037	ug/l	100
68) m/p-Xylenes	11.62	106	202023	37.107	ug/l	99
69) o-Xylene	11.94	106	97952	18.185	ug/l	99
70) Styrene	11.96	104	163505	18.991	ug/l	99
71) Bromoform	12.13	173	40494	19.593	ug/l #	99
73) Isopropylbenzene	12.25	105	261505	16.862	ug/l	100
74) N-amyl acetate	12.07	43	98882	16.637	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	87558	18.208	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	74229m	19.169	ug/l	
77) Bromobenzene	12.52	156	68709	16.454	ug/l	96
78) n-propylbenzene	12.59	91	289020	16.900	ug/l	100
79) 2-Chlorotoluene	12.67	91	176886	17.203	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	221801	17.398	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21211	19.468	ug/l	97
82) 4-Chlorotoluene	12.77	91	171975	17.031	ug/l	99
83) tert-Butylbenzene	12.99	119	190119	16.727	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	219071	17.425	ug/l	99
85) sec-Butylbenzene	13.17	105	251802	16.751	ug/l	100
86) p-Isopropyltoluene	13.29	119	226771	17.579	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	113216	17.891	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	108838	17.759	ug/l	99
89) n-Butylbenzene	13.61	91	184473	18.890	ug/l	99
90) Hexachloroethane	13.87	117	34391	17.100	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	113431	18.066	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	14020	20.289	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55609	20.712	ug/l	98
94) Hexachlorobutadiene	15.01	225	40541	17.846	ug/l	99
95) Naphthalene	15.13	128	142994	20.223	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	59176	20.383	ug/l	99

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

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