

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056249.D
 Acq On : 12 Jun 2019 15:24
 Operator : JC/SP
 Sample : VN0612WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:08:41 AM

Quant Time: Jun 13 05:17:17 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	271574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	383696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	343674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139445	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	134699	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	7.59	113	124826	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.09	98	447022	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	144479	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	53772	18.250	ug/l	99
3) Chloromethane	2.06	50	56183	19.085	ug/l	100
4) Vinyl Chloride	2.18	62	57957	19.627	ug/l	99
5) Bromomethane	2.55	94	38782	20.790	ug/l	98
6) Chloroethane	2.69	64	33190	19.385	ug/l	99
7) Trichlorofluoromethane	3.01	101	76637	20.329	ug/l	99
8) Diethyl Ether	3.40	74	30167	19.459	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	48415	21.142	ug/l	99
10) Methyl Iodide	3.94	142	63701	17.504	ug/l	99
11) Tert butyl alcohol	4.82	59	40523	86.357	ug/l	97
12) 1,1-Dichloroethene	3.73	96	45287	19.864	ug/l	95
13) Acrolein	3.60	56	9359	69.154	ug/l	99
14) Allyl chloride	4.31	41	72906	20.252	ug/l	98
15) Acrylonitrile	4.99	53	129177	113.086	ug/l	100
16) Acetone	3.82	43	130407	101.118	ug/l	100
17) Carbon Disulfide	4.04	76	102236	18.729	ug/l	100
18) Methyl Acetate	4.33	43	61536	23.991	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	144941	19.945	ug/l	99
20) Methylene Chloride	4.54	84	54127	20.372	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	48324	19.783	ug/l	95
22) Diisopropyl ether	5.96	45	152548	20.499	ug/l	99
23) Vinyl Acetate	5.90	43	601620	102.660	ug/l	100
24) 1,1-Dichloroethane	5.85	63	89017	20.737	ug/l	99
25) 2-Butanone	6.84	43	177814	109.126	ug/l	99
26) 2,2-Dichloropropane	6.82	77	61200	18.271	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	58104	20.236	ug/l	96
28) Bromochloromethane	7.19	49	44309	21.827	ug/l	96
29) Tetrahydrofuran	7.22	42	112347	111.542	ug/l	99
30) Chloroform	7.37	83	92975	21.531	ug/l	99
31) Cyclohexane	7.65	56	78722	18.398	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	76955	21.341	ug/l	99
36) 1,1-Dichloropropene	7.79	75	64910	19.674	ug/l	99
37) Ethyl Acetate	6.93	43	67109	22.861	ug/l	99
38) Carbon Tetrachloride	7.77	117	66710	21.932	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	76695	18.661	ug/l	98
40) Benzene	8.04	78	207924	20.750	ug/l	100
41) Methacrylonitrile	7.18	41	29716	22.002	ug/l	89
42) 1,2-Dichloroethane	8.12	62	68433	21.231	ug/l	99
43) Isopropyl Acetate	8.17	43	98328	20.670	ug/l #	91
44) Trichloroethene	8.83	130	61243	21.269	ug/l	99
45) 1,2-Dichloropropane	9.12	63	55078	21.459	ug/l	99
46) Dibromomethane	9.21	93	38058	22.675	ug/l	98
47) Bromodichloromethane	9.40	83	71577	23.530	ug/l	99
48) Methyl methacrylate	9.20	41	49174	21.130	ug/l	98
49) 1,4-Dioxane	9.21	88	21735	432.605	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	331690	111.502	ug/l	100
52) Toluene	10.16	92	127693	20.479	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	62824	19.168	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	76130	20.820	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	55621	22.519	ug/l	97
56) Ethyl methacrylate	10.43	69	74267	20.610	ug/l	99
57) 1,3-Dichloropropane	10.71	76	87217	21.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	121108	94.600	ug/l	100
59) 2-Hexanone	10.75	43	233942	108.506	ug/l	99
60) Dibromochloromethane	10.90	129	58706	22.946	ug/l	98
61) 1,2-Dibromoethane	11.01	107	55941	22.155	ug/l	100
64) Tetrachloroethene	10.63	164	60330	20.280	ug/l	99
65) Chlorobenzene	11.43	112	140809	20.587	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	55681	23.577	ug/l	98
67) Ethyl Benzene	11.51	91	238580	20.060	ug/l	99
68) m/p-Xylenes	11.62	106	181693	39.991	ug/l	98
69) o-Xylene	11.95	106	88793	19.868	ug/l	100
70) Styrene	11.96	104	142830	20.115	ug/l	100
71) Bromoform	12.13	173	44227	23.824	ug/l #	99
73) Isopropylbenzene	12.25	105	236630	22.474	ug/l	99
74) N-amyl acetate	12.07	43	76206	20.501	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	75005	23.170	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	65004m	25.334	ug/l	
77) Bromobenzene	12.53	156	64774	21.696	ug/l	94
78) n-propylbenzene	12.59	91	237418	20.125	ug/l	98
79) 2-Chlorotoluene	12.67	91	151649	21.870	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	190999	20.372	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	16398	21.283	ug/l	87
82) 4-Chlorotoluene	12.77	91	139752	20.249	ug/l	99
83) tert-Butylbenzene	12.99	119	174231	22.447	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	182495	20.526	ug/l	97
85) sec-Butylbenzene	13.17	105	217320	20.802	ug/l	100
86) p-Isopropyltoluene	13.29	119	189071	20.222	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	95768	20.726	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	87071	19.589	ug/l	98
89) n-Butylbenzene	13.61	91	122297	17.657	ug/l	99
90) Hexachloroethane	13.87	117	34417	24.408	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	98200	21.050	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11160	24.103	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	33816	16.301	ug/l	99
94) Hexachlorobutadiene	15.01	225	41219	24.707	ug/l	99
95) Naphthalene	15.13	128	88569	16.108	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41594	17.945	ug/l	100

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

