

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055897.D
 Acq On : 30 May 2019 13:48
 Operator : JC/SP
 Sample : VN0530WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:20 AM

Quant Time: May 31 04:59:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	301163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	456718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	403449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161990	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	163560	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
35) Dibromofluoromethane	7.59	113	142441	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	10.09	98	539639	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.40	95	178739	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	37627	18.564	ug/l	99
3) Chloromethane	2.06	50	54671	19.252	ug/l	100
4) Vinyl Chloride	2.18	62	58723	19.387	ug/l	100
5) Bromomethane	2.53	94	41200m	21.742	ug/l	
6) Chloroethane	2.68	64	37614	20.626	ug/l	97
7) Trichlorofluoromethane	3.00	101	80019	20.151	ug/l	99
8) Diethyl Ether	3.40	74	36095	20.280	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50994	20.572	ug/l	96
10) Methyl Iodide	3.94	142	70954	19.578	ug/l	99
11) Tert butyl alcohol	4.82	59	65353	109.976	ug/l	98
12) 1,1-Dichloroethene	3.72	96	49847	19.462	ug/l	97
13) Acrolein	3.60	56	30201	70.976	ug/l	98
14) Allyl chloride	4.31	41	84235	19.184	ug/l	97
15) Acrylonitrile	4.99	53	146309	107.221	ug/l	99
16) Acetone	3.82	43	131279	96.023	ug/l	98
17) Carbon Disulfide	4.04	76	113844	15.644	ug/l	100
18) Methyl Acetate	4.33	43	67347	23.562	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	176950	20.714	ug/l	98
20) Methylene Chloride	4.54	84	60480	20.427	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	54259	19.718	ug/l	99
22) Diisopropyl ether	5.95	45	178386	20.888	ug/l	96
23) Vinyl Acetate	5.90	43	739703	101.023	ug/l	99
24) 1,1-Dichloroethane	5.84	63	100767	20.266	ug/l	99
25) 2-Butanone	6.84	43	198117	103.761	ug/l	100
26) 2,2-Dichloropropane	6.82	77	74474	17.306	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	66528	20.723	ug/l	98
28) Bromochloromethane	7.19	49	49492	20.906	ug/l	98
29) Tetrahydrofuran	7.22	42	131097	108.422	ug/l	99
30) Chloroform	7.37	83	102315	20.633	ug/l	99
31) Cyclohexane	7.65	56	93072	19.937	ug/l	# 93
32) 1,1,1-Trichloroethane	7.57	97	86348	19.514	ug/l	99
36) 1,1-Dichloropropene	7.79	75	74149	18.630	ug/l	98
37) Ethyl Acetate	6.93	43	77295	20.093	ug/l	100
38) Carbon Tetrachloride	7.77	117	73084	17.628	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	89718	18.203	ug/l	98
40) Benzene	8.04	78	236602	19.725	ug/l	99
41) Methacrylonitrile	7.18	41	36585m	18.825	ug/l	
42) 1,2-Dichloroethane	8.12	62	78940	20.140	ug/l	100
43) Isopropyl Acetate	8.17	43	123410	19.094	ug/l #	92
44) Trichloroethene	8.83	130	65172	19.489	ug/l	98
45) 1,2-Dichloropropane	9.12	63	61840	19.787	ug/l	94
46) Dibromomethane	9.21	93	41314	20.157	ug/l	97
47) Bromodichloromethane	9.40	83	78243	18.617	ug/l	99
48) Methyl methacrylate	9.20	41	61223	20.553	ug/l	99
49) 1,4-Dioxane	9.20	88	25698	415.147	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	390763	102.369	ug/l	100
52) Toluene	10.16	92	147669	19.574	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	78674	17.537	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	91337	18.379	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	60683	20.079	ug/l	100
56) Ethyl methacrylate	10.43	69	89687	19.201	ug/l	97
57) 1,3-Dichloropropane	10.71	76	98227	19.995	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	162965	91.297	ug/l	99
59) 2-Hexanone	10.75	43	269445	99.501	ug/l	99
60) Dibromochloromethane	10.90	129	60901	17.298	ug/l	99
61) 1,2-Dibromoethane	11.00	107	62074	19.801	ug/l	99
64) Tetrachloroethene	10.63	164	64922	19.079	ug/l	99
65) Chlorobenzene	11.43	112	156824	19.417	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	57953	17.991	ug/l	99
67) Ethyl Benzene	11.51	91	278382	19.220	ug/l	98
68) m/p-Xylenes	11.62	106	210540	38.451	ug/l	99
69) o-Xylene	11.95	106	104330	19.205	ug/l	99
70) Styrene	11.96	104	169577	19.276	ug/l	99
71) Bromoform	12.13	173	42413	15.436	ug/l #	100
73) Isopropylbenzene	12.25	105	276921	22.569	ug/l	100
74) N-amyl acetate	12.07	43	100864	21.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	84510	22.973	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	69397m	23.191	ug/l	
77) Bromobenzene	12.53	156	72053	20.844	ug/l	99
78) n-propylbenzene	12.59	91	288281	20.476	ug/l	100
79) 2-Chlorotoluene	12.67	91	181178	22.488	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	226393	21.903	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20389	16.935	ug/l	89
82) 4-Chlorotoluene	12.77	91	168334	20.340	ug/l	99
83) tert-Butylbenzene	12.99	119	201745	22.392	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	219344	21.308	ug/l	100
85) sec-Butylbenzene	13.17	105	253495	21.920	ug/l	99
86) p-Isopropyltoluene	13.29	119	226025	20.092	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	107867	19.707	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	103051	19.803	ug/l	99
89) n-Butylbenzene	13.61	91	161749	18.765	ug/l	100
90) Hexachloroethane	13.87	117	36962	17.262	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	110599	20.253	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13497	18.804	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46659	17.407	ug/l	99
94) Hexachlorobutadiene	15.01	225	39308	19.333	ug/l	99
95) Naphthalene	15.13	128	138652	18.503	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52234	18.095	ug/l	100

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

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