

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011420\
 Data File : VN059699.D
 Acq On : 14 Jan 2020 11:39
 Operator : JC/MD
 Sample : VN0114WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 10:55:14 AM

Quant Time: Jan 14 22:53:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	180926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	278007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	249594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	118256	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	102712	51.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.24%	
35) Dibromofluoromethane	7.56	113	87066	52.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.04%	
50) Toluene-d8	10.08	98	323343	50.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.40	95	115698	49.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	40511	18.664	ug/l	99
3) Chloromethane	2.04	50	39712	19.172	ug/l	99
4) Vinyl Chloride	2.17	62	47148	19.894	ug/l	99
5) Bromomethane	2.54	94	29067	20.097	ug/l	99
6) Chloroethane	2.68	64	21982	19.605	ug/l	99
7) Trichlorofluoromethane	3.00	101	53561	18.818	ug/l	96
8) Diethyl Ether	3.38	74	21251	21.275	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31383	19.811	ug/l	92
10) Methyl Iodide	3.93	142	48450	18.922	ug/l	94
11) Tert butyl alcohol	4.72	59	32255	95.360	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31233	18.869	ug/l	88
13) Acrolein	3.58	56	20713	86.508	ug/l	99
14) Allyl chloride	4.29	41	43465	19.481	ug/l #	85
15) Acrylonitrile	4.94	53	76836	99.585	ug/l	99
16) Acetone	3.78	43	68228	93.285	ug/l	93
17) Carbon Disulfide	4.03	76	89001	18.875	ug/l	100
18) Methyl Acetate	4.29	43	45752	19.495	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	110064	20.394	ug/l	97
20) Methylene Chloride	4.52	84	35518	18.730	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	33609	19.101	ug/l	85
22) Diisopropyl ether	5.91	45	101247	20.025	ug/l	95
23) Vinyl Acetate	5.86	43	386965	98.850	ug/l	95
24) 1,1-Dichloroethane	5.81	63	60865	19.701	ug/l	98
25) 2-Butanone	6.80	43	105291	92.538	ug/l #	89
26) 2,2-Dichloropropane	6.79	77	55685	18.748	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	40179	19.853	ug/l	88
28) Bromochloromethane	7.17	49	23689	19.185	ug/l #	75
29) Tetrahydrofuran	7.18	42	66789	94.872	ug/l	88
30) Chloroform	7.34	83	63507	19.840	ug/l	99
31) Cyclohexane	7.63	56	55097	18.534	ug/l #	88
32) 1,1,1-Trichloroethane	7.54	97	57161	19.313	ug/l	96
36) 1,1-Dichloropropene	7.77	75	46132	19.055	ug/l	95
37) Ethyl Acetate	6.89	43	43101	18.982	ug/l	98
38) Carbon Tetrachloride	7.75	117	50065	19.011	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	56791	19.025	ug/l	93
40) Benzene	8.02	78	139550	19.328	ug/l	99
41) Methacrylonitrile	7.15	41	20153m	18.019	ug/l	
42) 1,2-Dichloroethane	8.10	62	50212	20.511	ug/l	96
43) Isopropyl Acetate	8.14	43	75609	19.359	ug/l #	95
44) Trichloroethene	8.81	130	39215	19.895	ug/l	93
45) 1,2-Dichloropropane	9.10	63	36109	20.210	ug/l	97
46) Dibromomethane	9.19	93	25499	20.232	ug/l	91
47) Bromodichloromethane	9.38	83	51521	20.286	ug/l	99
48) Methyl methacrylate	9.18	41	33390	19.113	ug/l	91
49) 1,4-Dioxane	9.18	88	12861	402.144	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	215360	95.388	ug/l	96
52) Toluene	10.14	92	88964	19.507	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	56291	19.850	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	61650	20.661	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	36494	20.204	ug/l	96
56) Ethyl methacrylate	10.42	69	54696	19.817	ug/l	90
57) 1,3-Dichloropropane	10.70	76	58344	20.345	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	89928	108.175	ug/l	91
59) 2-Hexanone	10.74	43	158355	95.206	ug/l	95
60) Dibromochloromethane	10.89	129	42054	20.445	ug/l	98
61) 1,2-Dibromoethane	10.99	107	38192	20.173	ug/l	98
64) Tetrachloroethene	10.62	164	38228	18.793	ug/l	95
65) Chlorobenzene	11.43	112	96922	19.756	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	37207	19.628	ug/l	98
67) Ethyl Benzene	11.50	91	170875	19.187	ug/l	96
68) m/p-Xylenes	11.62	106	131419	39.066	ug/l	93
69) o-Xylene	11.94	106	63584	19.306	ug/l	95
70) Styrene	11.96	104	107577	19.520	ug/l	97
71) Bromoform	12.12	173	29854	19.661	ug/l #	98
73) Isopropylbenzene	12.24	105	168311	19.407	ug/l	99
74) N-amyl acetate	12.06	43	63896	18.987	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	50879	20.236	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	47910m	24.074	ug/l	
77) Bromobenzene	12.52	156	43231	19.684	ug/l	82
78) n-propylbenzene	12.59	91	190496	19.569	ug/l	97
79) 2-Chlorotoluene	12.67	91	112090	19.356	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	141947	19.461	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	17410	18.787	ug/l	96
82) 4-Chlorotoluene	12.77	91	115540	19.892	ug/l	96
83) tert-Butylbenzene	12.99	119	123451	19.570	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	142415	19.736	ug/l	99
85) sec-Butylbenzene	13.17	105	160401	19.353	ug/l	97
86) p-Isopropyltoluene	13.28	119	148416	19.353	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	76399	20.026	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	76451	20.087	ug/l	98
89) n-Butylbenzene	13.61	91	125690	19.222	ug/l	98
90) Hexachloroethane	13.87	117	27671	19.285	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	74595	19.778	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11127	19.338	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45099	19.900	ug/l	97
94) Hexachlorobutadiene	15.01	225	24681	19.763	ug/l	98
95) Naphthalene	15.13	128	127188	19.731	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44423	20.138	ug/l	99

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

