

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054409.D
 Acq On : 18 Mar 2019 23:06
 Operator : JC/SP
 Sample : VN0318WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:22:38 AM

Quant Time: Mar 19 07:09:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1186381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1829653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1592521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	717899	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	639762	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	7.59	113	603737	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
50) Toluene-d8	10.09	98	2148128	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	709560	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	225068	20.017	ug/l	98
3) Chloromethane	2.06	50	214647	19.653	ug/l	100
4) Vinyl Chloride	2.19	62	242173	19.399	ug/l	98
5) Bromomethane	2.57	94	167918	19.422	ug/l	98
6) Chloroethane	2.71	64	144098	19.078	ug/l	100
7) Trichlorofluoromethane	3.02	101	312511	18.829	ug/l	98
8) Diethyl Ether	3.41	74	161914	21.408	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	249353	20.049	ug/l	99
10) Methyl Iodide	3.94	142	330297	19.637	ug/l	98
11) Tert butyl alcohol	4.82	59	77012	89.161	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	249920	20.277	ug/l	97
13) Acrolein	3.61	56	56230	68.701	ug/l	99
14) Allyl chloride	4.32	41	307786	19.463	ug/l	99
15) Acrylonitrile	5.00	53	396895	111.864	ug/l	99
16) Acetone	3.82	43	275017	76.235	ug/l	100
17) Carbon Disulfide	4.04	76	492191	15.930	ug/l	98
18) Methyl Acetate	4.33	43	185533	25.420	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	655175	21.446	ug/l	99
20) Methylene Chloride	4.54	84	254481	21.484	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	242574	20.541	ug/l	100
22) Diisopropyl ether	5.96	45	681741	21.601	ug/l	98
23) Vinyl Acetate	5.90	43	2311240	99.321	ug/l	99
24) 1,1-Dichloroethane	5.85	63	435123	21.472	ug/l	99
25) 2-Butanone	6.85	43	442215	104.441	ug/l	99
26) 2,2-Dichloropropane	6.82	77	258269	14.492	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	288038	21.863	ug/l	95
28) Bromochloromethane	7.19	49	171843	20.743	ug/l	98
29) Tetrahydrofuran	7.22	42	297746	109.370	ug/l	98
30) Chloroform	7.37	83	466328	22.052	ug/l	99
31) Cyclohexane	7.65	56	382211	19.423	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	387581	20.294	ug/l	99
36) 1,1-Dichloropropene	7.79	75	322070	19.114	ug/l	98
37) Ethyl Acetate	6.94	43	191073	19.736	ug/l	98
38) Carbon Tetrachloride	7.77	117	334994	18.959	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	363773	17.547	ug/l	99
40) Benzene	8.04	78	1036811	21.503	ug/l	99
41) Methacrylonitrile	7.18	41	104698	18.940	ug/l	92
42) 1,2-Dichloroethane	8.12	62	338014	20.764	ug/l	99
43) Isopropyl Acetate	8.17	43	315608	18.572	ug/l	98
44) Trichloroethene	8.83	130	304072	20.301	ug/l	99
45) 1,2-Dichloropropane	9.12	63	264481	22.090	ug/l	98
46) Dibromomethane	9.21	93	171198	21.163	ug/l	99
47) Bromodichloromethane	9.40	83	328933	20.283	ug/l	99
48) Methyl methacrylate	9.20	41	175543	20.355	ug/l	99
49) 1,4-Dioxane	9.20	88	52155	427.548	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	956181	106.323	ug/l	99
52) Toluene	10.16	92	634676	20.760	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	277694	16.363	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	352669	18.662	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	249310	22.333	ug/l	98
56) Ethyl methacrylate	10.43	69	268749	20.190	ug/l	97
57) 1,3-Dichloropropane	10.71	76	394965	21.638	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	505421	98.459	ug/l	99
59) 2-Hexanone	10.75	43	579209	96.792	ug/l	97
60) Dibromochloromethane	10.90	129	246904	19.650	ug/l	99
61) 1,2-Dibromoethane	11.01	107	236682	20.864	ug/l	98
64) Tetrachloroethene	10.63	164	315041	20.461	ug/l	99
65) Chlorobenzene	11.43	112	732516	20.948	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	263533	20.746	ug/l	99
67) Ethyl Benzene	11.51	91	1191028	20.548	ug/l	100
68) m/p-Xylenes	11.62	106	932350	41.154	ug/l	99
69) o-Xylene	11.95	106	471934	21.369	ug/l	97
70) Styrene	11.96	104	714561	20.630	ug/l	99
71) Bromoform	12.13	173	154703	17.576	ug/l #	99
73) Isopropylbenzene	12.25	105	1212236	21.106	ug/l	99
74) N-amyl acetate	12.07	43	251234	19.706	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	275470	22.511	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	224735m	21.288	ug/l	
77) Bromobenzene	12.53	156	323140	21.261	ug/l	98
78) n-propylbenzene	12.59	91	1290942	20.714	ug/l	99
79) 2-Chlorotoluene	12.67	91	792753	21.156	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	975128	20.411	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42164	13.653	ug/l #	84
82) 4-Chlorotoluene	12.77	91	770176	20.583	ug/l	100
83) tert-Butylbenzene	12.99	119	915405	20.817	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	986589	21.050	ug/l	100
85) sec-Butylbenzene	13.17	105	1116456	19.577	ug/l	100
86) p-Isopropyltoluene	13.29	119	959736	19.183	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	529818	20.688	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	501252	19.924	ug/l	98
89) n-Butylbenzene	13.61	91	668719	17.591	ug/l	99
90) Hexachloroethane	13.87	117	147439	17.797	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	539661	21.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36314	19.177	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	233678	17.198	ug/l	98
94) Hexachlorobutadiene	15.01	225	157419	16.507	ug/l	98
95) Naphthalene	15.13	128	498540	18.204	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	238906	17.960	ug/l	98

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

