

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054179.D
 Acq On : 12 Mar 2019 23:05
 Operator : JC/SP
 Sample : VN0312WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:41:18 AM

Quant Time: Mar 13 08:16:10 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	7.66	168	1452285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2219414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1954346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	929472	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	775018	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	7.59	113	704853	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	10.09	98	2549160	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.40	95	890107	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	290079	21.075	ug/l 98
3) Chloromethane	2.06	50	279217	20.884	ug/l 100
4) Vinyl Chloride	2.19	62	318009	20.810	ug/l 97
5) Bromomethane	2.57	94	215287	20.341	ug/l 96
6) Chloroethane	2.71	64	180743	19.548	ug/l 99
7) Trichlorofluoromethane	3.02	101	397800	19.579	ug/l 99
8) Diethyl Ether	3.41	74	198709	21.462	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	321413	21.111	ug/l 99
10) Methyl Iodide	3.94	142	358632	17.587	ug/l 99
11) Tert butyl alcohol	4.82	59	106190	100.432	ug/l 100
12) 1,1-Dichloroethene	3.73	96	322363	21.366	ug/l 98
13) Acrolein	3.61	56	75327	75.183	ug/l 100
14) Allyl chloride	4.32	41	395596	20.436	ug/l 99
15) Acrylonitrile	4.99	53	461748	106.315	ug/l 99
16) Acetone	3.82	43	357136	80.872	ug/l 98
17) Carbon Disulfide	4.04	76	765970	20.252	ug/l 99
18) Methyl Acetate	4.33	43	200098	22.396	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	804014	21.499	ug/l 100
20) Methylene Chloride	4.55	84	303349	20.920	ug/l 97
21) trans-1,2-Dichloroethene	5.04	96	300160	20.764	ug/l 99
22) Diisopropyl ether	5.96	45	809552	20.954	ug/l 99
23) Vinyl Acetate	5.90	43	2996670	105.198	ug/l 99
24) 1,1-Dichloroethane	5.85	63	522724	21.072	ug/l 99
25) 2-Butanone	6.85	43	515439	99.446	ug/l 99
26) 2,2-Dichloropropane	6.82	77	380564	17.445	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	348655	21.619	ug/l 98
28) Bromochloromethane	7.19	49	197990	19.523	ug/l 97
29) Tetrahydrofuran	7.22	42	353291	106.013	ug/l 99
30) Chloroform	7.37	83	559830	21.627	ug/l 99
31) Cyclohexane	7.65	56	472762	19.639	ug/l 94
32) 1,1,1-Trichloroethane	7.57	97	490478	20.980	ug/l 99
36) 1,1-Dichloropropene	7.79	75	405815	19.855	ug/l 99
37) Ethyl Acetate	6.94	43	241759	20.586	ug/l 99
38) Carbon Tetrachloride	7.77	117	418277	19.515	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	493006	19.605	ug/l	99
40) Benzene	8.04	78	1217463	20.816	ug/l	99
41) Methacrylonitrile	7.18	41	121191	18.074	ug/l	94
42) 1,2-Dichloroethane	8.12	62	411251	20.827	ug/l	99
43) Isopropyl Acetate	8.17	43	414949	20.130	ug/l	99
44) Trichloroethene	8.83	130	376767	20.737	ug/l	98
45) 1,2-Dichloropropane	9.12	63	300609	20.699	ug/l	99
46) Dibromomethane	9.21	93	206745	21.069	ug/l	98
47) Bromodichloromethane	9.40	83	401772	20.424	ug/l	99
48) Methyl methacrylate	9.20	41	220819	21.108	ug/l	99
49) 1,4-Dioxane	9.21	88	61200	413.591	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1137808	104.300	ug/l	99
52) Toluene	10.16	92	769626	20.753	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	390819	18.666	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	454558	19.829	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	281284	20.772	ug/l	99
56) Ethyl methacrylate	10.43	69	330895	20.494	ug/l	98
57) 1,3-Dichloropropane	10.71	76	459545	20.755	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	605606	97.463	ug/l	100
59) 2-Hexanone	10.75	43	718567	98.992	ug/l	100
60) Dibromochloromethane	10.90	129	305063	20.015	ug/l	99
61) 1,2-Dibromoethane	11.01	107	286587	20.826	ug/l	99
64) Tetrachloroethene	10.63	164	392237	20.758	ug/l	100
65) Chlorobenzene	11.43	112	885619	20.638	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	317693	20.380	ug/l	99
67) Ethyl Benzene	11.51	91	1442335	20.276	ug/l	100
68) m/p-Xylenes	11.62	106	1135331	40.836	ug/l	100
69) o-Xylene	11.95	106	555171	20.484	ug/l	99
70) Styrene	11.96	104	879066	20.681	ug/l	100
71) Bromoform	12.13	173	201014	18.471	ug/l #	99
73) Isopropylbenzene	12.25	105	1484119	19.958	ug/l	100
74) N-amyl acetate	12.07	43	331209	20.066	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	316159	19.955	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	305343m	22.339	ug/l	
77) Bromobenzene	12.53	156	389781	19.808	ug/l	99
78) n-propylbenzene	12.59	91	1606098	19.905	ug/l	100
79) 2-Chlorotoluene	12.67	91	965213	19.895	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1228637	19.863	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	68142	17.042	ug/l	92
82) 4-Chlorotoluene	12.77	91	959283	19.802	ug/l	99
83) tert-Butylbenzene	12.99	119	1131407	19.872	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1233499	20.327	ug/l	99
85) sec-Butylbenzene	13.17	105	1473357	19.955	ug/l	100
86) p-Isopropyltoluene	13.29	119	1297504	20.031	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	671743	20.259	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	659901	20.259	ug/l	99
89) n-Butylbenzene	13.61	91	993001	20.176	ug/l	100
90) Hexachloroethane	13.87	117	197946	18.455	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	673140	20.767	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48365	19.727	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	354049	19.698	ug/l	99
94) Hexachlorobutadiene	15.01	225	251251	20.350	ug/l	100
95) Naphthalene	15.13	128	708956	19.653	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	358458	20.813	ug/l	98

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

