

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054159.D
 Acq On : 12 Mar 2019 10:55
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:49:09 AM

Quant Time: Mar 13 03:25:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 02:32:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1573987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2353620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2050546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	958897	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	345788	20.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.38%	
35) Dibromofluoromethane	7.59	113	315923	20.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.62%	
50) Toluene-d8	10.09	98	1151018	20.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.06%	
62) 4-Bromofluorobenzene	12.40	95	392366	20.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	320016	21.453	ug/l	99
3) Chloromethane	2.06	50	293820	20.277	ug/l	99
4) Vinyl Chloride	2.19	62	326796	19.732	ug/l	97
5) Bromomethane	2.58	94	220725	19.242	ug/l	99
6) Chloroethane	2.71	64	195830	19.542	ug/l	100
7) Trichlorofluoromethane	3.02	101	425587	19.327	ug/l	100
8) Diethyl Ether	3.41	74	211948	21.122	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	345829	20.958	ug/l	99
10) Methyl Iodide	3.94	142	417049	18.761	ug/l	99
11) Tert butyl alcohol	4.82	59	114593	99.595	ug/l	100
12) 1,1-Dichloroethene	3.73	96	342358	20.937	ug/l	99
13) Acrolein	3.60	56	92958	85.606	ug/l	98
14) Allyl chloride	4.32	41	439206	20.934	ug/l	99
15) Acrylonitrile	5.00	53	488312	103.738	ug/l	99
16) Acetone	3.82	43	528779	110.482	ug/l	99
17) Carbon Disulfide	4.04	76	837311	20.426	ug/l	100
18) Methyl Acetate	4.33	43	202992	20.963	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	844889	20.845	ug/l	100
20) Methylene Chloride	4.55	84	315656	20.086	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	324165	20.690	ug/l	99
22) Diisopropyl ether	5.96	45	841654	20.100	ug/l	98
23) Vinyl Acetate	5.90	43	3165787	102.542	ug/l	99
24) 1,1-Dichloroethane	5.85	63	553938	20.603	ug/l	99
25) 2-Butanone	6.84	43	602087	107.182	ug/l	100
26) 2,2-Dichloropropane	6.82	77	480305	20.315	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	358161	20.491	ug/l	99
28) Bromochloromethane	7.19	49	220606	20.071	ug/l	99
29) Tetrahydrofuran	7.22	42	364845	101.015	ug/l	100
30) Chloroform	7.37	83	581576	20.730	ug/l	99
31) Cyclohexane	7.65	56	523783	20.104	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	525937	20.757	ug/l	99
36) 1,1-Dichloropropene	7.79	75	431620	19.913	ug/l	98
37) Ethyl Acetate	6.94	43	255550	19.983	ug/l	100
38) Carbon Tetrachloride	7.77	117	464653	20.442	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	535278	20.072	ug/l	99
40) Benzene	8.04	78	1284259	20.706	ug/l	100
41) Methacrylonitrile	7.18	41	129228	18.898	ug/l	92
42) 1,2-Dichloroethane	8.13	62	433263	20.690	ug/l	99
43) Isopropyl Acetate	8.17	43	435804	19.936	ug/l	99
44) Trichloroethene	8.83	130	400137	20.767	ug/l	97
45) 1,2-Dichloropropane	9.12	63	314758	20.437	ug/l	99
46) Dibromomethane	9.21	93	214358	20.599	ug/l	99
47) Bromodichloromethane	9.40	83	434417	20.824	ug/l	95
48) Methyl methacrylate	9.20	41	229298	20.669	ug/l	99
49) 1,4-Dioxane	9.20	88	63117	402.224	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1160166	100.285	ug/l	100
52) Toluene	10.16	92	801186	20.372	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	432301	19.384	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	497841	20.479	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	293703	20.453	ug/l	99
56) Ethyl methacrylate	10.43	69	332900	19.442	ug/l	99
57) 1,3-Dichloropropane	10.71	76	486217	20.707	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	639078	97.068	ug/l	100
59) 2-Hexanone	10.75	43	773534	100.488	ug/l	99
60) Dibromochloromethane	10.90	129	326183	20.181	ug/l	100
61) 1,2-Dibromoethane	11.00	107	300610	20.600	ug/l	100
64) Tetrachloroethene	10.63	164	422837	21.328	ug/l	98
65) Chlorobenzene	11.43	112	922198	20.482	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	339073	20.731	ug/l	99
67) Ethyl Benzene	11.51	91	1523445	20.412	ug/l	99
68) m/p-Xylenes	11.62	106	1188615	40.746	ug/l	98
69) o-Xylene	11.95	106	587808	20.671	ug/l	99
70) Styrene	11.96	104	908078	20.361	ug/l	100
71) Bromoform	12.13	173	216451	18.895	ug/l #	99
73) Isopropylbenzene	12.25	105	1572289	20.494	ug/l	100
74) N-amyl acetate	12.07	43	343631	20.179	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	322513	19.731	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	283440m	19.839	ug/l	
77) Bromobenzene	12.53	156	407671	20.082	ug/l	99
78) n-propylbenzene	12.59	91	1709290	20.534	ug/l	100
79) 2-Chlorotoluene	12.67	91	1017931	20.337	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1299111	20.358	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	76696	18.447	ug/l	95
82) 4-Chlorotoluene	12.77	91	1003312	20.075	ug/l	99
83) tert-Butylbenzene	12.99	119	1186843	20.206	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1286342	20.547	ug/l	100
85) sec-Butylbenzene	13.17	105	1566905	20.570	ug/l	99
86) p-Isopropyltoluene	13.29	119	1376854	20.603	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	694067	20.290	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	680555	20.248	ug/l	99
89) n-Butylbenzene	13.61	91	1055272	20.783	ug/l	100
90) Hexachloroethane	13.87	117	216487	19.564	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	691627	20.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51812	20.485	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	364386	19.657	ug/l	100
94) Hexachlorobutadiene	15.01	225	267015	20.963	ug/l	100
95) Naphthalene	15.13	128	712868	19.243	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	374085	21.054	ug/l	100

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

