

Data File : VN055383.D
Acq On : 3 May 2019 12:27
Operator : JC/SP
Sample : VN0503WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:48:05 AM

Quant Time: May 04 00:02:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	403894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	648581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198224	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	262902	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
35) Dibromofluoromethane	7.59	113	205977	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	10.09	98	746619	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.40	95	237680	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	89953	18.178	ug/l	99
3) Chloromethane	2.06	50	105517	17.220	ug/l	99
4) Vinyl Chloride	2.19	62	89990	18.219	ug/l	99
5) Bromomethane	2.57	94	50472	19.291	ug/l	100
6) Chloroethane	2.71	64	51563	19.270	ug/l	98
7) Trichlorofluoromethane	3.02	101	132951	18.929	ug/l	96
8) Diethyl Ether	3.42	74	48370	19.684	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79822	19.085	ug/l	99
10) Methyl Iodide	3.96	142	110249	18.731	ug/l	98
11) Tert butyl alcohol	4.80	59	29011	95.899	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	77362	19.390	ug/l	100
13) Acrolein	3.62	56	11882	50.294	ug/l	94
14) Allyl chloride	4.33	41	158943	19.235	ug/l	99
15) Acrylonitrile	5.00	53	162554	95.597	ug/l	100
16) Acetone	3.82	43	136197	82.725	ug/l	100
17) Carbon Disulfide	4.06	76	166919	16.031	ug/l	99
18) Methyl Acetate	4.33	43	84539	20.467	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	229813	20.489	ug/l	98
20) Methylene Chloride	4.56	84	88741	17.659	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	78256	18.520	ug/l	93
22) Diisopropyl ether	5.95	45	338023	20.588	ug/l	92
23) Vinyl Acetate	5.90	43	1074344	99.841	ug/l	99
24) 1,1-Dichloroethane	5.86	63	172653	19.737	ug/l	99
25) 2-Butanone	6.84	43	195979	93.079	ug/l	99
26) 2,2-Dichloropropane	6.82	77	117278	19.414	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	96097	19.999	ug/l	99
28) Bromochloromethane	7.20	49	88540	20.079	ug/l	98
29) Tetrahydrofuran	7.22	42	136735	101.419	ug/l	96
30) Chloroform	7.37	83	165351	19.940	ug/l	99
31) Cyclohexane	7.65	56	156527	18.833	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	130724	19.423	ug/l	99
36) 1,1-Dichloropropene	7.80	75	113119	18.209	ug/l	98
37) Ethyl Acetate	6.93	43	86320	18.130	ug/l	98
38) Carbon Tetrachloride	7.78	117	109010	18.190	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	123244	18.659	ug/l	99
40) Benzene	8.04	78	356146	19.447	ug/l	99
41) Methacrylonitrile	7.18	41	48466	19.270	ug/l	97
42) 1,2-Dichloroethane	8.13	62	123341	19.015	ug/l	99
43) Isopropyl Acetate	8.17	43	153771	20.096	ug/l #	87
44) Trichloroethene	8.84	130	89497	19.170	ug/l	96
45) 1,2-Dichloropropane	9.12	63	103167	19.532	ug/l	98
46) Dibromomethane	9.21	93	53639	18.578	ug/l	99
47) Bromodichloromethane	9.40	83	118579	19.145	ug/l	99
48) Methyl methacrylate	9.20	41	71565	19.025	ug/l	99
49) 1,4-Dioxane	9.21	88	14829	381.359	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	408810	94.895	ug/l	100
52) Toluene	10.16	92	205946	19.599	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	100506	18.692	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	128209	19.124	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	75819	19.431	ug/l	99
56) Ethyl methacrylate	10.43	69	93232	19.412	ug/l	99
57) 1,3-Dichloropropane	10.71	76	134719	19.681	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	101046	76.833	ug/l	98
59) 2-Hexanone	10.75	43	246246	91.356	ug/l	98
60) Dibromochloromethane	10.90	129	75958	19.047	ug/l	99
61) 1,2-Dibromoethane	11.01	107	69096	19.158	ug/l	100
64) Tetrachloroethene	10.63	164	87376	19.520	ug/l	94
65) Chlorobenzene	11.43	112	207020	19.345	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	78258	18.675	ug/l	100
67) Ethyl Benzene	11.51	91	376203	19.467	ug/l	100
68) m/p-Xylenes	11.62	106	271651	39.381	ug/l	100
69) o-Xylene	11.95	106	139867	20.457	ug/l	96
70) Styrene	11.96	104	216882	20.660	ug/l	99
71) Bromoform	12.12	173	42741	18.381	ug/l #	97
73) Isopropylbenzene	12.25	105	371119	21.742	ug/l	100
74) N-amyl acetate	12.07	43	112242	22.064	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	90413	21.188	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	75868m	19.032	ug/l	
77) Bromobenzene	12.53	156	83083	20.678	ug/l	100
78) n-propylbenzene	12.59	91	402270	19.756	ug/l	100
79) 2-Chlorotoluene	12.67	91	246328	21.407	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	302110	19.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18586	17.769	ug/l #	81
82) 4-Chlorotoluene	12.77	91	227408	19.208	ug/l	98
83) tert-Butylbenzene	12.99	119	261358	22.139	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	338611	24.364	ug/l	99
85) sec-Butylbenzene	13.17	105	336678	19.933	ug/l	99
86) p-Isopropyltoluene	13.29	119	281606	20.285	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	130235	19.634	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	122105	19.548	ug/l	98
89) n-Butylbenzene	13.61	91	205304	20.812	ug/l	99
90) Hexachloroethane	13.87	117	45323	19.663	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	133328	20.280	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11257	21.586	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40289	17.826	ug/l	97
94) Hexachlorobutadiene	15.01	225	47423	22.429	ug/l	95
95) Naphthalene	15.13	128	84569	17.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	43914	18.919	ug/l	99

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

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