

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057977.D
 Acq On : 12 Sep 2019 18:37
 Operator : JC/SP
 Sample : VN0913WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:05:03 PM

Quant Time: Sep 13 06:25:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	289872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	483264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	447957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	256792	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	312215	53.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.36%	
35) Dibromofluoromethane	7.58	113	219766	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
50) Toluene-d8	10.09	98	882378	50.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.41	95	299822	45.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	81550	20.343	ug/l	99
3) Chloromethane	2.04	50	70368	17.222	ug/l	99
4) Vinyl Chloride	2.17	62	74524	17.234	ug/l	99
5) Bromomethane	2.54	94	44907	17.922	ug/l	96
6) Chloroethane	2.68	64	50302	18.255	ug/l	100
7) Trichlorofluoromethane	3.00	101	97210	17.863	ug/l	99
8) Diethyl Ether	3.39	74	43629	19.222	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70405	20.509	ug/l	100
10) Methyl Iodide	3.93	142	60488	15.834	ug/l	97
11) Tert butyl alcohol	4.76	59	64738	91.104	ug/l	96
12) 1,1-Dichloroethene	3.72	96	59474	19.268	ug/l	97
13) Acrolein	3.59	56	2228m	3.696	ug/l	
14) Allyl chloride	4.30	41	112613	18.643	ug/l	97
15) Acrylonitrile	4.97	53	206440	105.697	ug/l	99
16) Acetone	3.80	43	177507	92.228	ug/l	99
17) Carbon Disulfide	4.03	76	82925	17.365	ug/l	98
18) Methyl Acetate	4.30	43	120389	23.460	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	271488	21.135	ug/l	96
20) Methylene Chloride	4.53	84	78955	20.831	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	61591	18.459	ug/l	97
22) Diisopropyl ether	5.93	45	292674	20.661	ug/l	96
23) Vinyl Acetate	5.88	43	1060207	105.607	ug/l	99
24) 1,1-Dichloroethane	5.82	63	159271	20.573	ug/l	98
25) 2-Butanone	6.82	43	279695	100.405	ug/l	98
26) 2,2-Dichloropropane	6.81	77	116202	18.966	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	88595	19.813	ug/l	99
28) Bromochloromethane	7.18	49	84559	21.863	ug/l	97
29) Tetrahydrofuran	7.20	42	180076	104.906	ug/l	99
30) Chloroform	7.36	83	167234	20.659	ug/l	98
31) Cyclohexane	7.64	56	109713	19.428	ug/l #	95
32) 1,1,1-Trichloroethane	7.55	97	128482	20.013	ug/l	98
36) 1,1-Dichloropropene	7.78	75	101376	18.088	ug/l	100
37) Ethyl Acetate	6.91	43	113580	19.615	ug/l	99
38) Carbon Tetrachloride	7.76	117	99991	19.541	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	103050	17.491	ug/l	99
40) Benzene	8.03	78	327781	19.426	ug/l	100
41) Methacrylonitrile	7.16	41	56656	21.554	ug/l	94
42) 1,2-Dichloroethane	8.11	62	137924	20.438	ug/l	100
43) Isopropyl Acetate	8.16	43	250089	25.682	ug/l #	83
44) Trichloroethene	8.83	130	79042	19.099	ug/l	96
45) 1,2-Dichloropropane	9.11	63	98070	19.974	ug/l	96
46) Dibromomethane	9.20	93	60764	20.480	ug/l	98
47) Bromodichloromethane	9.40	83	121366	20.485	ug/l	99
48) Methyl methacrylate	9.19	41	94062	19.042	ug/l	97
49) 1,4-Dioxane	9.19	88	27856	333.467	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	610014	105.858	ug/l	100
52) Toluene	10.15	92	204959	19.286	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	117836	18.887	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	133558	19.389	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	91375	20.298	ug/l	98
56) Ethyl methacrylate	10.43	69	131310	19.370	ug/l	98
57) 1,3-Dichloropropane	10.71	76	154384	19.900	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	290985	91.135	ug/l	100
59) 2-Hexanone	10.75	43	429263	99.383	ug/l	99
60) Dibromochloromethane	10.90	129	81779	19.563	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84471	19.848	ug/l	99
64) Tetrachloroethene	10.63	164	63902	19.320	ug/l	96
65) Chlorobenzene	11.44	112	230965	19.701	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	80287	19.737	ug/l	98
67) Ethyl Benzene	11.51	91	406054	19.764	ug/l	100
68) m/p-Xylenes	11.62	106	294294	39.104	ug/l	99
69) o-Xylene	11.95	106	146700	19.608	ug/l	96
70) Styrene	11.97	104	254267	19.747	ug/l	98
71) Bromoform	12.13	173	47576	18.759	ug/l #	100
73) Isopropylbenzene	12.25	105	403586	20.254	ug/l	100
74) N-amyl acetate	12.07	43	174513	20.124	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	136291	20.314	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	115451m	19.874	ug/l	
77) Bromobenzene	12.53	156	95409	19.205	ug/l	99
78) n-propylbenzene	12.60	91	476037	20.804	ug/l	99
79) 2-Chlorotoluene	12.68	91	283888	19.630	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	343365	20.394	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27762	16.818	ug/l	85
82) 4-Chlorotoluene	12.78	91	288490	19.425	ug/l	100
83) tert-Butylbenzene	13.00	119	293630	19.620	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	347677	20.318	ug/l	99
85) sec-Butylbenzene	13.18	105	404371	20.385	ug/l	99
86) p-Isopropyltoluene	13.30	119	355181	20.322	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	175431	19.238	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	176381	19.056	ug/l	98
89) n-Butylbenzene	13.62	91	322829	19.559	ug/l	99
90) Hexachloroethane	13.88	117	48763	18.760	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	179723	19.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22956	20.719	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	105939	17.791	ug/l	98
94) Hexachlorobutadiene	15.01	225	47908	18.980	ug/l	99
95) Naphthalene	15.13	128	310322	19.691	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	103717	20.552	ug/l	99

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

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