

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054826.D
 Acq On : 31 Mar 2019 2:37
 Operator : JC/SP
 Sample : VN0330WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:31:47 PM

Quant Time: Mar 31 05:06:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	396781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	694541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236113	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	301962	56.46	ug/l	0.00
Spiked Amount			Recovery	=	112.92%	
35) Dibromofluoromethane	7.59	113	238532	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
50) Toluene-d8	10.09	98	850869	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.40	95	271145	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	78680	19.604	ug/l	96
3) Chloromethane	2.07	50	115263	20.770	ug/l	98
4) Vinyl Chloride	2.19	62	105441	21.158	ug/l	100
5) Bromomethane	2.57	94	53028	18.898	ug/l	97
6) Chloroethane	2.71	64	59563	21.405	ug/l	100
7) Trichlorofluoromethane	3.02	101	135234	22.073	ug/l	99
8) Diethyl Ether	3.41	74	44116	22.362	ug/l	60
9) 1,1,2-Trichlorotrifluoroet	3.75	101	64723	20.067	ug/l	94
10) Methyl Iodide	3.94	142	75422	17.082	ug/l #	86
11) Tert butyl alcohol	4.83	59	40636	145.817	ug/l	99
12) 1,1-Dichloroethene	3.73	96	70557	22.622	ug/l #	76
13) Acrolein	3.61	56	35186	141.234	ug/l	95
14) Allyl chloride	4.31	41	157553	20.508	ug/l #	89
15) Acrylonitrile	5.00	53	195634	126.299	ug/l	99
16) Acetone	3.82	43	144788	113.516	ug/l #	80
17) Carbon Disulfide	4.04	76	188025	18.587	ug/l	99
18) Methyl Acetate	4.33	43	90374	26.776	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	259938	23.826	ug/l	97
20) Methylene Chloride	4.55	84	97574	21.687	ug/l #	79
21) trans-1,2-Dichloroethene	5.04	96	90803	22.165	ug/l	88
22) Diisopropyl ether	5.96	45	353733	23.280	ug/l #	93
23) Vinyl Acetate	5.90	43	1264325	119.571	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	183597	22.652	ug/l	98
25) 2-Butanone	6.85	43	249683	132.429	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	65497	11.529	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	104815	22.648	ug/l	92
28) Bromochloromethane	7.19	49	99929	24.656	ug/l #	70
29) Tetrahydrofuran	7.23	42	174512	133.266	ug/l #	82
30) Chloroform	7.37	83	178637	23.113	ug/l	100
31) Cyclohexane	7.65	56	165005	21.153	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	146111	22.812	ug/l	95
36) 1,1-Dichloropropene	7.79	75	129485	20.008	ug/l	95
37) Ethyl Acetate	6.94	43	111502	23.494	ug/l	94
38) Carbon Tetrachloride	7.77	117	125169	19.913	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	127832	17.967	ug/l	90
40) Benzene	8.04	78	392880	21.216	ug/l	99
41) Methacrylonitrile	7.18	41	60279	22.610	ug/l	88
42) 1,2-Dichloroethane	8.13	62	146312	22.128	ug/l	99
43) Isopropyl Acetate	8.17	43	183972	23.857	ug/l #	94
44) Trichloroethene	8.84	130	100719	20.952	ug/l	94
45) 1,2-Dichloropropane	9.12	63	110036	20.839	ug/l	100
46) Dibromomethane	9.21	93	64232	21.624	ug/l	89
47) Bromodichloromethane	9.40	83	135327	21.921	ug/l	97
48) Methyl methacrylate	9.20	41	90996	21.768	ug/l	88
49) 1,4-Dioxane	9.21	88	20955	505.223	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	534563	123.297	ug/l	92
52) Toluene	10.16	92	230583	20.926	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	107276	18.473	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	132782	19.142	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	89794	21.915	ug/l	95
56) Ethyl methacrylate	10.43	69	120105	22.346	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	155867	22.127	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	224586	103.340	ug/l #	88
59) 2-Hexanone	10.75	43	327251	117.909	ug/l	91
60) Dibromochloromethane	10.90	129	88841	21.405	ug/l	99
61) 1,2-Dibromoethane	11.01	107	86503	22.092	ug/l	98
64) Tetrachloroethene	10.63	164	97888	21.723	ug/l	97
65) Chlorobenzene	11.44	112	241405	20.997	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91979	21.374	ug/l	99
67) Ethyl Benzene	11.51	91	428711	20.664	ug/l	97
68) m/p-Xylenes	11.62	106	313159	40.788	ug/l	95
69) o-Xylene	11.95	106	152832	20.300	ug/l	93
70) Styrene	11.97	104	251762	20.914	ug/l	96
71) Bromoform	12.13	173	54533	21.631	ug/l #	98
73) Isopropylbenzene	12.25	105	405837	21.029	ug/l	98
74) N-amyl acetate	12.07	43	136218	22.656	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	111769	25.430	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	94712m	23.090	ug/l	
77) Bromobenzene	12.53	156	98586	21.166	ug/l	85
78) n-propylbenzene	12.59	91	439420	20.716	ug/l	95
79) 2-Chlorotoluene	12.68	91	277681	21.160	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	323519	20.430	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	18171	17.231	ug/l #	78
82) 4-Chlorotoluene	12.77	91	259451	20.355	ug/l	94
83) tert-Butylbenzene	12.99	119	283166	21.906	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	316568	20.984	ug/l	98
85) sec-Butylbenzene	13.17	105	348848	20.279	ug/l	96
86) p-Isopropyltoluene	13.29	119	296566	19.547	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	158741	20.356	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	151734	19.839	ug/l	96
89) n-Butylbenzene	13.62	91	223164	18.028	ug/l	97
90) Hexachloroethane	13.88	117	49686	19.288	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	161747	20.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15705	23.805	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	66943	17.643	ug/l	98
94) Hexachlorobutadiene	15.01	225	41795	17.221	ug/l	97
95) Naphthalene	15.13	128	164821	19.369	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	70681	18.446	ug/l	99

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

