

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
 Data File : VN055339.D
 Acq On : 2 May 2019 10:21
 Operator : JC/SP
 Sample : VN0502WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 1:09:12 PM

Quant Time: May 03 02:25:24 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	369604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	593226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	506177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186783	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	249207	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	7.59	113	193385	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	10.09	98	708504	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.40	95	228021	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	90721	20.034	ug/l	96
3) Chloromethane	2.06	50	106662	19.022	ug/l	99
4) Vinyl Chloride	2.19	62	84257	18.641	ug/l	99
5) Bromomethane	2.56	94	45654	19.069	ug/l	97
6) Chloroethane	2.70	64	45433	18.555	ug/l	98
7) Trichlorofluoromethane	3.02	101	121895	18.965	ug/l	100
8) Diethyl Ether	3.41	74	44459	19.771	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	75391	19.698	ug/l	98
10) Methyl Iodide	3.96	142	102726	19.072	ug/l	99
11) Tert butyl alcohol	4.79	59	29108	105.147	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	69928	19.153	ug/l	99
13) Acrolein	3.61	56	17957	83.059	ug/l	92
14) Allyl chloride	4.33	41	146047	19.314	ug/l	99
15) Acrylonitrile	4.99	53	161477	103.774	ug/l #	89
16) Acetone	3.82	43	153991	102.211	ug/l	98
17) Carbon Disulfide	4.06	76	171548	18.004	ug/l	99
18) Methyl Acetate	4.33	43	84291	22.395	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	209725	20.433	ug/l	99
20) Methylene Chloride	4.55	84	85183	18.524	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	73950	19.125	ug/l	92
22) Diisopropyl ether	5.95	45	310731	20.682	ug/l	96
23) Vinyl Acetate	5.90	43	1004084	101.969	ug/l	99
24) 1,1-Dichloroethane	5.85	63	161244	20.142	ug/l	98
25) 2-Butanone	6.84	43	205515	106.664	ug/l	94
26) 2,2-Dichloropropane	6.82	77	105171	19.025	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	89918	20.449	ug/l	100
28) Bromochloromethane	7.20	49	81981	20.317	ug/l	97
29) Tetrahydrofuran	7.21	42	134243	108.809	ug/l	99
30) Chloroform	7.37	83	152149	20.050	ug/l	99
31) Cyclohexane	7.65	56	141412	18.593	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	120743	19.605	ug/l	99
36) 1,1-Dichloropropene	7.79	75	105055	18.488	ug/l	99
37) Ethyl Acetate	6.93	43	85312	19.590	ug/l	97
38) Carbon Tetrachloride	7.77	117	101400	18.499	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	113061	18.714	ug/l	98
40) Benzene	8.04	78	326771	19.508	ug/l	99
41) Methacrylonitrile	7.17	41	43558	18.947	ug/l	94
42) 1,2-Dichloroethane	8.12	62	117278	19.768	ug/l	99
43) Isopropyl Acetate	8.17	43	142162	20.313	ug/l #	87
44) Trichloroethene	8.84	130	81635	19.117	ug/l	97
45) 1,2-Dichloropropane	9.12	63	93930	19.442	ug/l	98
46) Dibromomethane	9.21	93	53755	20.356	ug/l	98
47) Bromodichloromethane	9.40	83	113759	20.080	ug/l	98
48) Methyl methacrylate	9.20	41	68057	19.781	ug/l	97
49) 1,4-Dioxane	9.20	88	14825	416.831	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	418791	106.283	ug/l	98
52) Toluene	10.16	92	195376	20.328	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	100516	20.438	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	124803	20.354	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	72185	20.226	ug/l	98
56) Ethyl methacrylate	10.43	69	91407	20.808	ug/l	98
57) 1,3-Dichloropropane	10.71	76	127058	20.294	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	109453	88.706	ug/l	99
59) 2-Hexanone	10.75	43	267787	108.618	ug/l	98
60) Dibromochloromethane	10.90	129	74664	20.469	ug/l	98
61) 1,2-Dibromoethane	11.00	107	66845	20.264	ug/l	97
64) Tetrachloroethene	10.63	164	77284	18.670	ug/l	98
65) Chlorobenzene	11.43	112	191603	19.361	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	74037	19.106	ug/l	98
67) Ethyl Benzene	11.51	91	356061	19.924	ug/l	98
68) m/p-Xylenes	11.62	106	256050	40.140	ug/l	99
69) o-Xylene	11.95	106	125600	19.865	ug/l	97
70) Styrene	11.96	104	203476	20.960	ug/l	99
71) Bromoform	12.13	173	45501	21.161	ug/l #	100
73) Isopropylbenzene	12.25	105	345865	21.467	ug/l	100
74) N-amyl acetate	12.07	43	97686	20.379	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	87434	21.834	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	76465m	20.541	ug/l	
77) Bromobenzene	12.53	156	80236	21.250	ug/l	99
78) n-propylbenzene	12.59	91	364854	19.016	ug/l	99
79) 2-Chlorotoluene	12.67	91	230309	21.219	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	281417	19.218	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20266	20.562	ug/l	98
82) 4-Chlorotoluene	12.77	91	216942	19.447	ug/l	98
83) tert-Butylbenzene	12.99	119	238805	21.374	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	258613	19.747	ug/l	99
85) sec-Butylbenzene	13.17	105	309282	19.432	ug/l	99
86) p-Isopropyltoluene	13.29	119	255771	19.552	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	122068	19.530	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	114607	19.471	ug/l	99
89) n-Butylbenzene	13.61	91	179045	19.262	ug/l	97
90) Hexachloroethane	13.87	117	44814	20.713	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	118739	19.168	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10717	21.809	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	33194	16.003	ug/l	96
94) Hexachlorobutadiene	15.01	225	42773	21.342	ug/l	96
95) Naphthalene	15.13	128	71590	16.200	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	36619	17.043	ug/l	98

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

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