

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057831.D
 Acq On : 10 Sep 2019 3:34
 Operator : JC/SP
 Sample : VN0910WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:23 AM

Quant Time: Sep 10 08:18:02 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	301942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	501746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	266229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	317199	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.58	113	227239	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.08	98	927668	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.40	95	317746	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	82332	19.717	ug/l	98
3) Chloromethane	2.03	50	81453	19.139	ug/l	98
4) Vinyl Chloride	2.16	62	87099	19.337	ug/l	98
5) Bromomethane	2.54	94	51795	20.012	ug/l	99
6) Chloroethane	2.68	64	55521	19.344	ug/l	100
7) Trichlorofluoromethane	2.99	101	107484	18.962	ug/l	96
8) Diethyl Ether	3.39	74	45597	19.286	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68017	19.021	ug/l	99
10) Methyl Iodide	3.93	142	74898	18.822	ug/l	100
11) Tert butyl alcohol	4.77	59	73595	99.428	ug/l	98
12) 1,1-Dichloroethene	3.71	96	59370	18.466	ug/l	94
13) Acrolein	3.58	56	55377	88.185	ug/l	99
14) Allyl chloride	4.30	41	107670	17.112	ug/l	99
15) Acrylonitrile	4.97	53	202296	99.435	ug/l	97
16) Acetone	3.80	43	170484	85.038	ug/l	97
17) Carbon Disulfide	4.03	76	87615	17.612	ug/l	97
18) Methyl Acetate	4.30	43	109122	20.414	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	267421	19.986	ug/l	99
20) Methylene Chloride	4.53	84	82407	20.875	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	63240	18.195	ug/l	98
22) Diisopropyl ether	5.93	45	296720	20.109	ug/l	99
23) Vinyl Acetate	5.87	43	1031742	98.663	ug/l	99
24) 1,1-Dichloroethane	5.82	63	154845	19.201	ug/l	99
25) 2-Butanone	6.82	43	274154	94.482	ug/l	98
26) 2,2-Dichloropropane	6.81	77	84837	13.293	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	88042	18.902	ug/l	97
28) Bromochloromethane	7.18	49	87604	21.744	ug/l	97
29) Tetrahydrofuran	7.20	42	175546	98.179	ug/l	99
30) Chloroform	7.36	83	165161	19.588	ug/l	99
31) Cyclohexane	7.64	56	111749	18.946	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	125233	18.727	ug/l	99
36) 1,1-Dichloropropene	7.78	75	104255	17.917	ug/l	98
37) Ethyl Acetate	6.91	43	109734	18.252	ug/l	98
38) Carbon Tetrachloride	7.76	117	97610	18.373	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	105172	17.193	ug/l	99
40) Benzene	8.03	78	334394	19.088	ug/l	99
41) Methacrylonitrile	7.17	41	52980m	19.413	ug/l	
42) 1,2-Dichloroethane	8.11	62	134228	19.158	ug/l	99
43) Isopropyl Acetate	8.15	43	191770	18.968	ug/l #	88
44) Trichloroethene	8.83	130	79863	18.586	ug/l	95
45) 1,2-Dichloropropane	9.11	63	99304	19.480	ug/l	95
46) Dibromomethane	9.20	93	59320	19.257	ug/l	99
47) Bromodichloromethane	9.40	83	117205	19.054	ug/l	96
48) Methyl methacrylate	9.19	41	94524	18.431	ug/l	98
49) 1,4-Dioxane	9.19	88	31727	365.817	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	600807	100.420	ug/l	100
52) Toluene	10.15	92	213126	19.315	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	113277	17.487	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	126646	17.708	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	88804	19.000	ug/l	98
56) Ethyl methacrylate	10.43	69	132506	18.826	ug/l	98
57) 1,3-Dichloropropane	10.71	76	155759	19.337	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	324714	97.953	ug/l	100
59) 2-Hexanone	10.75	43	428183	95.482	ug/l	99
60) Dibromochloromethane	10.90	129	79155	18.238	ug/l	98
61) 1,2-Dibromoethane	11.00	107	84609	19.148	ug/l	100
64) Tetrachloroethene	10.63	164	65901	18.804	ug/l	98
65) Chlorobenzene	11.43	112	234848	18.906	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	80483	18.672	ug/l	100
67) Ethyl Benzene	11.51	91	418032	19.202	ug/l	98
68) m/p-Xylenes	11.62	106	300518	37.686	ug/l	98
69) o-Xylene	11.95	106	151411	19.099	ug/l	99
70) Styrene	11.97	104	257918	18.904	ug/l	98
71) Bromoform	12.13	173	46657	17.362	ug/l #	98
73) Isopropylbenzene	12.25	105	415162	20.096	ug/l	100
74) N-amyl acetate	12.07	43	171095	19.030	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	132416	19.037	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	104620m	17.371	ug/l	
77) Bromobenzene	12.53	156	96610	18.757	ug/l	98
78) n-propylbenzene	12.59	91	472756	19.929	ug/l	100
79) 2-Chlorotoluene	12.68	91	290457	19.372	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	351406	20.132	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	24287	14.191	ug/l #	78
82) 4-Chlorotoluene	12.78	91	295393	19.185	ug/l	100
83) tert-Butylbenzene	13.00	119	305093	19.663	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	354456	19.980	ug/l	98
85) sec-Butylbenzene	13.18	105	407405	19.810	ug/l	99
86) p-Isopropyltoluene	13.29	119	360814	19.912	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	180016	19.041	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	179372	18.692	ug/l	99
89) n-Butylbenzene	13.62	91	322895	18.869	ug/l	99
90) Hexachloroethane	13.88	117	49089	18.216	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	180387	19.099	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	21176	18.435	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	105555	17.098	ug/l	99
94) Hexachlorobutadiene	15.01	225	46073	17.606	ug/l	99
95) Naphthalene	15.13	128	301518	18.352	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	102636	19.662	ug/l	99

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

