

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058200.D
 Acq On : 19 Sep 2019 13:06
 Operator : JC/SP
 Sample : VN0919WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:37:18 PM

Quant Time: Sep 20 07:54:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	469239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	804415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	719933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	337611	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	352785	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
35) Dibromofluoromethane	7.57	113	254808	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
50) Toluene-d8	10.08	98	1005754	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.40	95	356126	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	72978	18.932	ug/l	97
3) Chloromethane	2.04	50	60460	19.722	ug/l	97
4) Vinyl Chloride	2.17	62	66929	20.056	ug/l	99
5) Bromomethane	2.55	94	33209	19.752	ug/l	94
6) Chloroethane	2.69	64	44347	20.266	ug/l	95
7) Trichlorofluoromethane	3.00	101	100312	19.065	ug/l	98
8) Diethyl Ether	3.39	74	47537	19.718	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	74734	19.701	ug/l	98
10) Methyl Iodide	3.93	142	53697	16.893	ug/l	99
11) Tert butyl alcohol	4.75	59	80968	104.149	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	58824	20.221	ug/l	94
13) Acrolein	3.59	56	7797	67.676	ug/l #	49
14) Allyl chloride	4.30	41	106038	17.083	ug/l	90
15) Acrylonitrile	4.96	53	212986	102.828	ug/l	99
16) Acetone	3.80	43	197936	89.223	ug/l	96
17) Carbon Disulfide	4.03	76	72111	17.970	ug/l	100
18) Methyl Acetate	4.30	43	115089	19.716	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	291828	20.396	ug/l	100
20) Methylene Chloride	4.53	84	82317	21.065	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	64561	20.341	ug/l	98
22) Diisopropyl ether	5.93	45	319631	20.271	ug/l	95
23) Vinyl Acetate	5.87	43	1121054	103.904	ug/l	100
24) 1,1-Dichloroethane	5.83	63	171961	20.433	ug/l	100
25) 2-Butanone	6.81	43	299593	99.126	ug/l	98
26) 2,2-Dichloropropane	6.81	77	128408	17.985	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	94663	19.894	ug/l	100
28) Bromochloromethane	7.18	49	86345	21.689	ug/l	100
29) Tetrahydrofuran	7.19	42	184849	99.291	ug/l	98
30) Chloroform	7.36	83	180156	19.888	ug/l	99
31) Cyclohexane	7.64	56	113220	19.332	ug/l	93
32) 1,1,1-Trichloroethane	7.55	97	137749	19.975	ug/l	99
36) 1,1-Dichloropropene	7.78	75	106830	18.416	ug/l	99
37) Ethyl Acetate	6.91	43	117975	19.597	ug/l	99
38) Carbon Tetrachloride	7.76	117	109109	18.711	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	104137	18.611	ug/l	98
40) Benzene	8.03	78	338059	19.080	ug/l	99
41) Methacrylonitrile	7.15	41	57155	19.413	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	144924	19.493	ug/l	100
43) Isopropyl Acetate	8.15	43	217136	19.312	ug/l	99
44) Trichloroethene	8.82	130	83640	19.290	ug/l	97
45) 1,2-Dichloropropane	9.11	63	104743	19.795	ug/l	98
46) Dibromomethane	9.20	93	63369	19.698	ug/l	97
47) Bromodichloromethane	9.39	83	131868	19.566	ug/l	97
48) Methyl methacrylate	9.19	41	100086	19.606	ug/l	98
49) 1,4-Dioxane	9.19	88	33376	398.216	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	657152	110.039	ug/l	98
52) Toluene	10.15	92	210169	18.927	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	129402	18.744	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	146210	19.182	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	97854	19.858	ug/l	98
56) Ethyl methacrylate	10.43	69	141867	19.953	ug/l	98
57) 1,3-Dichloropropane	10.71	76	166945	19.707	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	348599	102.933	ug/l	100
59) 2-Hexanone	10.75	43	454917	102.567	ug/l	98
60) Dibromochloromethane	10.90	129	90339	19.056	ug/l	99
61) 1,2-Dibromoethane	11.00	107	89474	19.592	ug/l	99
64) Tetrachloroethene	10.63	164	65892	18.775	ug/l	99
65) Chlorobenzene	11.43	112	248717	19.641	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	92294	20.100	ug/l	100
67) Ethyl Benzene	11.51	91	438360	20.203	ug/l	100
68) m/p-Xylenes	11.62	106	316749	38.759	ug/l	99
69) o-Xylene	11.95	106	156625	19.491	ug/l	98
70) Styrene	11.97	104	275187	19.876	ug/l	99
71) Bromoform	12.13	173	55074	18.610	ug/l #	100
73) Isopropylbenzene	12.25	105	446329	21.121	ug/l	99
74) N-amyl acetate	12.07	43	184943	20.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	148884	21.039	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	135966m	22.503	ug/l	
77) Bromobenzene	12.53	156	106075	19.955	ug/l	98
78) n-propylbenzene	12.60	91	516362	21.503	ug/l	100
79) 2-Chlorotoluene	12.68	91	311732	20.771	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	380216	21.277	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	31682	19.582	ug/l	90
82) 4-Chlorotoluene	12.78	91	323739	20.521	ug/l	99
83) tert-Butylbenzene	13.00	119	335253	21.037	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	384347	21.613	ug/l	99
85) sec-Butylbenzene	13.18	105	452557	21.717	ug/l	100
86) p-Isopropyltoluene	13.29	119	400740	21.631	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	196857	20.276	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	199580	20.135	ug/l	99
89) n-Butylbenzene	13.62	91	356215	20.281	ug/l	99
90) Hexachloroethane	13.88	117	57449	19.508	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	203931	20.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25329	19.881	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	121894	19.589	ug/l	98
94) Hexachlorobutadiene	15.02	225	59144	19.665	ug/l	97
95) Naphthalene	15.13	128	327397	20.302	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	116031	19.728	ug/l	96

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

