

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057807.D
 Acq On : 9 Sep 2019 17:38
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091019

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:17:05 AM

Quant Time: Sep 10 07:18:56 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	407033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	658870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	637426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	402211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	403516	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	7.57	113	297092	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
50) Toluene-d8	10.09	98	1213601	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.40	95	439545	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	264985	47.074	ug/l	98
3) Chloromethane	2.04	50	248068	43.238	ug/l	98
4) Vinyl Chloride	2.16	62	274157	45.150	ug/l	98
5) Bromomethane	2.53	94	166361	49.852	ug/l	96
6) Chloroethane	2.67	64	169807	43.886	ug/l	99
7) Trichlorofluoromethane	2.99	101	348750	45.639	ug/l	98
8) Diethyl Ether	3.39	74	147186	46.182	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	226185	46.922	ug/l	99
10) Methyl Iodide	3.93	142	262589	48.952	ug/l	100
11) Tert butyl alcohol	4.77	59	244542	245.080	ug/l	100
12) 1,1-Dichloroethene	3.71	96	194479	44.871	ug/l	96
13) Acrolein	3.58	56	202583	239.310	ug/l	99
14) Allyl chloride	4.30	41	387521	45.687	ug/l	100
15) Acrylonitrile	4.96	53	650733	237.272	ug/l	99
16) Acetone	3.80	43	592963	219.406	ug/l	97
17) Carbon Disulfide	4.03	76	318254	47.188	ug/l	99
18) Methyl Acetate	4.30	43	350715	48.671	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	879223	48.745	ug/l	99
20) Methylene Chloride	4.53	84	254037	49.360	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	211057	45.047	ug/l	99
22) Diisopropyl ether	5.93	45	963937	48.461	ug/l	98
23) Vinyl Acetate	5.87	43	3598660	255.281	ug/l	100
24) 1,1-Dichloroethane	5.82	63	511295	47.033	ug/l	100
25) 2-Butanone	6.82	43	921523	235.588	ug/l	100
26) 2,2-Dichloropropane	6.81	77	413330	48.044	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	292067	46.516	ug/l	100
28) Bromochloromethane	7.18	49	265832	48.947	ug/l	97
29) Tetrahydrofuran	7.19	42	582127	241.513	ug/l	99
30) Chloroform	7.36	83	528237	46.473	ug/l	97
31) Cyclohexane	7.64	56	370366	49.994	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	434228	48.168	ug/l	99
36) 1,1-Dichloropropene	7.78	75	346449	45.340	ug/l	99
37) Ethyl Acetate	6.91	43	366000	46.360	ug/l	99
38) Carbon Tetrachloride	7.76	117	339771	48.703	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	369819	46.040	ug/l	97
40) Benzene	8.03	78	1080501	46.968	ug/l	98
41) Methacrylonitrile	7.16	41	174231m	48.618	ug/l	
42) 1,2-Dichloroethane	8.11	62	429120	46.641	ug/l	100
43) Isopropyl Acetate	8.15	43	652289	49.132	ug/l #	91
44) Trichloroethene	8.82	130	259129	45.925	ug/l	99
45) 1,2-Dichloropropane	9.11	63	316724	47.314	ug/l	98
46) Dibromomethane	9.20	93	194511	48.086	ug/l	99
47) Bromodichloromethane	9.40	83	406122	50.277	ug/l	100
48) Methyl methacrylate	9.19	41	318486	47.291	ug/l	99
49) 1,4-Dioxane	9.19	88	107730	945.924	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2008682	255.670	ug/l	99
52) Toluene	10.15	92	690907	47.684	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	441277	51.877	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	482069	51.331	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	298135	48.576	ug/l	99
56) Ethyl methacrylate	10.43	69	465945	50.414	ug/l	100
57) 1,3-Dichloropropane	10.71	76	512584	48.461	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1102396	253.243	ug/l	100
59) 2-Hexanone	10.75	43	1486899	252.497	ug/l	100
60) Dibromochloromethane	10.90	129	302323	53.046	ug/l	99
61) 1,2-Dibromoethane	11.00	107	283828	48.915	ug/l	99
64) Tetrachloroethene	10.63	164	215561	45.801	ug/l	97
65) Chlorobenzene	11.43	112	782051	46.880	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	285155	49.262	ug/l	99
67) Ethyl Benzene	11.51	91	1431361	48.959	ug/l	99
68) m/p-Xylenes	11.62	106	1040060	97.120	ug/l	99
69) o-Xylene	11.95	106	519757	48.820	ug/l	99
70) Styrene	11.97	104	918409	50.125	ug/l	99
71) Bromoform	12.13	173	191748	53.132	ug/l #	98
73) Isopropylbenzene	12.25	105	1451144	46.496	ug/l	99
74) N-amyl acetate	12.07	43	637386	46.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	461375	43.905	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	373013m	40.996	ug/l	
77) Bromobenzene	12.53	156	335853	43.161	ug/l	100
78) n-propylbenzene	12.59	91	1698727	47.399	ug/l	100
79) 2-Chlorotoluene	12.68	91	1007806	44.492	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1252580	47.499	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	124463	48.137	ug/l	99
82) 4-Chlorotoluene	12.78	91	1065674	45.813	ug/l	100
83) tert-Butylbenzene	13.00	119	1099677	46.912	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1270154	47.390	ug/l	100
85) sec-Butylbenzene	13.17	105	1503113	48.379	ug/l	99
86) p-Isopropyltoluene	13.29	119	1345868	49.163	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	650325	45.532	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	656789	45.303	ug/l	99
89) n-Butylbenzene	13.62	91	1261468	48.795	ug/l	99
90) Hexachloroethane	13.88	117	205066	50.369	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	652727	45.744	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85277	49.139	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	405344	43.461	ug/l	99
94) Hexachlorobutadiene	15.01	225	176379	44.613	ug/l	98
95) Naphthalene	15.13	128	1162705	49.361	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	378133	46.513	ug/l	99

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

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