

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058849.D
 Acq On : 18 Oct 2019 11:27
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101819

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:43:20 AM

Quant Time: Oct 19 00:35:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	442239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	715611	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	664291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324598	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	317801	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	7.57	113	228234	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.09	98	902680	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	333411	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	265415	48.136	ug/l	98
3) Chloromethane	2.04	50	316533	46.352	ug/l	100
4) Vinyl Chloride	2.17	62	327878	48.356	ug/l	99
5) Bromomethane	2.54	94	203746	47.985	ug/l	95
6) Chloroethane	2.68	64	203987	46.913	ug/l	99
7) Trichlorofluoromethane	3.00	101	393989	46.961	ug/l	99
8) Diethyl Ether	3.39	74	145263	50.104	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	220183	47.340	ug/l	100
10) Methyl Iodide	3.93	142	300845	49.180	ug/l	99
11) Tert butyl alcohol	4.75	59	255691	237.555	ug/l	100
12) 1,1-Dichloroethene	3.72	96	213328	48.933	ug/l	98
13) Acrolein	3.58	56	202142	273.326	ug/l	99
14) Allyl chloride	4.30	41	439969	49.873	ug/l	100
15) Acrylonitrile	4.96	53	673278	248.676	ug/l	100
16) Acetone	3.79	43	782096	244.019	ug/l	100
17) Carbon Disulfide	4.03	76	675166	48.076	ug/l	99
18) Methyl Acetate	4.30	43	337185	46.274	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	782685	51.271	ug/l	99
20) Methylene Chloride	4.53	84	252503	46.138	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	236987	49.222	ug/l	96
22) Diisopropyl ether	5.93	45	874863	50.701	ug/l	96
23) Vinyl Acetate	5.87	43	3800113	274.111	ug/l	99
24) 1,1-Dichloroethane	5.82	63	481555	48.129	ug/l	100
25) 2-Butanone	6.81	43	1035597	248.911	ug/l	100
26) 2,2-Dichloropropane	6.80	77	428300	49.489	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	274053	49.828	ug/l	99
28) Bromochloromethane	7.17	49	161758	48.544	ug/l	98
29) Tetrahydrofuran	7.19	42	646675	254.084	ug/l	100
30) Chloroform	7.35	83	473960	47.224	ug/l	99
31) Cyclohexane	7.63	56	450600	48.342	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	414703	49.021	ug/l	99
36) 1,1-Dichloropropene	7.78	75	368910	50.354	ug/l	99
37) Ethyl Acetate	6.91	43	403654	50.565	ug/l	100
38) Carbon Tetrachloride	7.76	117	367999	48.757	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	428130	52.043	ug/l	99
40) Benzene	8.02	78	1062988	49.410	ug/l	99
41) Methacrylonitrile	7.15	41	155207m	43.653	ug/l	
42) 1,2-Dichloroethane	8.11	62	396341	47.825	ug/l	100
43) Isopropyl Acetate	8.15	43	645480	50.417	ug/l	100
44) Trichloroethene	8.82	130	257223	49.082	ug/l	100
45) 1,2-Dichloropropane	9.11	63	291547	49.420	ug/l	98
46) Dibromomethane	9.20	93	183420	49.181	ug/l	98
47) Bromodichloromethane	9.39	83	378462	49.236	ug/l	100
48) Methyl methacrylate	9.19	41	302484	52.074	ug/l	100
49) 1,4-Dioxane	9.19	88	91592	960.546	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2027371	271.108	ug/l	99
52) Toluene	10.15	92	653119	51.193	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	440417	51.757	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	461787	50.796	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	253821	48.295	ug/l	99
56) Ethyl methacrylate	10.43	69	420576	47.738	ug/l	99
57) 1,3-Dichloropropane	10.70	76	454596	49.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	896601	240.720	ug/l	100
59) 2-Hexanone	10.75	43	1558960	269.784	ug/l	99
60) Dibromochloromethane	10.90	129	281283	49.723	ug/l	100
61) 1,2-Dibromoethane	11.00	107	266838	49.611	ug/l	100
64) Tetrachloroethene	10.63	164	227139	48.823	ug/l	99
65) Chlorobenzene	11.43	112	683353	50.529	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	255700	50.104	ug/l	99
67) Ethyl Benzene	11.51	91	1269404	53.506	ug/l	99
68) m/p-Xylenes	11.62	106	944227	107.322	ug/l	99
69) o-Xylene	11.95	106	446757	53.242	ug/l	99
70) Styrene	11.96	104	756894	48.906	ug/l	99
71) Bromoform	12.13	173	201497	50.916	ug/l #	97
73) Isopropylbenzene	12.25	105	1227540	51.747	ug/l	100
74) N-amyl acetate	12.07	43	580147	53.944	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	401996	48.194	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	350966m	46.653	ug/l	
77) Bromobenzene	12.53	156	284776	48.704	ug/l	100
78) n-propylbenzene	12.59	91	1465081	52.249	ug/l	100
79) 2-Chlorotoluene	12.68	91	850916	49.582	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1047352	52.549	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	145936	50.536	ug/l	98
82) 4-Chlorotoluene	12.78	91	885262	50.476	ug/l	100
83) tert-Butylbenzene	13.00	119	885103	51.932	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1056921	53.764	ug/l	100
85) sec-Butylbenzene	13.18	105	1206843	53.110	ug/l	99
86) p-Isopropyltoluene	13.29	119	1087553	54.242	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	521826	49.912	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	516741	49.366	ug/l	99
89) n-Butylbenzene	13.62	91	1000722	54.334	ug/l	100
90) Hexachloroethane	13.88	117	195016	48.000	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	515212	50.138	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	87750	46.512	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	304937	47.283	ug/l	99
94) Hexachlorobutadiene	15.01	225	163660	49.138	ug/l	100
95) Naphthalene	15.13	128	872351	47.056	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	293287	46.735	ug/l	99

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

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