

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058871.D
 Acq On : 18 Oct 2019 20:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:42:54 AM

Quant Time: Oct 21 08:50:40 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	371766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	600901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	284327	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	281257	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.16%		
35) Dibromofluoromethane	7.57	113	202184	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.36%		
50) Toluene-d8	10.08	98	787567	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.70%		
62) 4-Bromofluorobenzene	12.40	95	294275	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.50%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	226831	48.937	ug/l	98
3) Chloromethane	2.04	50	278978	48.596	ug/l	100
4) Vinyl Chloride	2.17	62	274871	48.223	ug/l	97
5) Bromomethane	2.54	94	174500	48.888	ug/l	96
6) Chloroethane	2.68	64	179901	49.217	ug/l	99
7) Trichlorofluoromethane	3.00	101	340757	48.315	ug/l	98
8) Diethyl Ether	3.39	74	120265	49.345	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	184216	47.115	ug/l	100
10) Methyl Iodide	3.93	142	251119	48.833	ug/l	99
11) Tert butyl alcohol	4.76	59	232411	256.858	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	180252	49.183	ug/l	98
13) Acrolein	3.58	56	153899	247.542	ug/l	100
14) Allyl chloride	4.30	41	367742	49.587	ug/l	99
15) Acrylonitrile	4.96	53	596285	261.988	ug/l	100
16) Acetone	3.79	43	567972	210.804	ug/l	100
17) Carbon Disulfide	4.03	76	560866	47.508	ug/l	100
18) Methyl Acetate	4.30	43	302090	49.316	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	669567	52.176	ug/l	99
20) Methylene Chloride	4.53	84	216711	47.105	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	200476	49.532	ug/l	97
22) Diisopropyl ether	5.93	45	761459	52.494	ug/l	98
23) Vinyl Acetate	5.87	43	3291808	282.457	ug/l	99
24) 1,1-Dichloroethane	5.82	63	418942	49.809	ug/l	100
25) 2-Butanone	6.81	43	871432	249.158	ug/l	99
26) 2,2-Dichloropropane	6.80	77	341563	46.948	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	237621	51.394	ug/l	99
28) Bromochloromethane	7.18	49	145567	51.966	ug/l	99
29) Tetrahydrofuran	7.19	42	579725	270.957	ug/l	99
30) Chloroform	7.35	83	415581	49.256	ug/l	99
31) Cyclohexane	7.63	56	371647	47.429	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	355719	50.020	ug/l	99
36) 1,1-Dichloropropene	7.77	75	310796	50.520	ug/l	100
37) Ethyl Acetate	6.91	43	354286	52.852	ug/l	99
38) Carbon Tetrachloride	7.76	117	312709	49.341	ug/l	98

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39) Methylcyclohexane	9.07	83	351048	50.819	ug/l	100
40) Benzene	8.02	78	915772	50.693	ug/l	99
41) Methacrylonitrile	7.15	41	162551m	54.447	ug/l	
42) 1,2-Dichloroethane	8.11	62	353761	50.836	ug/l	99
43) Isopropyl Acetate	8.15	43	565236	52.577	ug/l	100
44) Trichloroethene	8.82	130	219692	49.923	ug/l	100
45) 1,2-Dichloropropane	9.11	63	251061	50.681	ug/l	99
46) Dibromomethane	9.20	93	160065	51.112	ug/l	98
47) Bromodichloromethane	9.39	83	329579	51.062	ug/l	99
48) Methyl methacrylate	9.19	41	270326	55.422	ug/l	99
49) 1,4-Dioxane	9.19	88	84849	1059.697	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1816308	289.250	ug/l	100
52) Toluene	10.15	92	562457	52.503	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	370585	51.865	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	399361	52.315	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	224328	50.831	ug/l	99
56) Ethyl methacrylate	10.43	69	365488	49.331	ug/l	97
57) 1,3-Dichloropropane	10.70	76	400515	51.708	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	786729	251.288	ug/l	99
59) 2-Hexanone	10.75	43	1363978	281.101	ug/l	100
60) Dibromochloromethane	10.90	129	248988	52.416	ug/l	99
61) 1,2-Dibromoethane	11.00	107	234545	51.932	ug/l	100
64) Tetrachloroethene	10.63	164	196565	49.552	ug/l	98
65) Chlorobenzene	11.43	112	586518	50.862	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	224406	51.569	ug/l	98
67) Ethyl Benzene	11.51	91	1095662	54.163	ug/l	99
68) m/p-Xylenes	11.62	106	816806	108.880	ug/l	100
69) o-Xylene	11.95	106	384797	53.782	ug/l	100
70) Styrene	11.96	104	659939	49.971	ug/l	99
71) Bromoform	12.13	173	176348	52.261	ug/l #	98
73) Isopropylbenzene	12.25	105	1056303	50.835	ug/l	100
74) N-amyl acetate	12.07	43	512995	54.456	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	357998	48.998	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	309885m	47.026	ug/l	
77) Bromobenzene	12.53	156	251302	49.067	ug/l	99
78) n-propylbenzene	12.59	91	1273904	51.866	ug/l	100
79) 2-Chlorotoluene	12.68	91	744727	49.541	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	912686	52.278	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	126308	49.934	ug/l	99
82) 4-Chlorotoluene	12.78	91	778879	50.701	ug/l	100
83) tert-Butylbenzene	13.00	119	767095	51.383	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	918065	53.315	ug/l	98
85) sec-Butylbenzene	13.17	105	1043213	52.412	ug/l	99
86) p-Isopropyltoluene	13.29	119	944107	53.757	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	459080	50.129	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	453132	49.421	ug/l	99
89) n-Butylbenzene	13.62	91	855782	53.045	ug/l	100
90) Hexachloroethane	13.88	117	173788	48.834	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	451055	50.111	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81023	49.029	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	276936	48.931	ug/l	100
94) Hexachlorobutadiene	15.01	225	137924	47.276	ug/l	97
95) Naphthalene	15.13	128	810491	49.777	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	273066	49.525	ug/l	100

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

