

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059469.D
 Acq On : 3 Dec 2019 14:25
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/4/2019 9:22:06 AM

Quant Time: Dec 03 15:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 14:48:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	357165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	555020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	505909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	241961	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	222688	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.92%	
35) Dibromofluoromethane	7.57	113	175619	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.38%	
50) Toluene-d8	10.08	98	707232	52.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.40	95	253384	53.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	190284	46.344	ug/l	100
3) Chloromethane	2.04	50	259017	50.443	ug/l	100
4) Vinyl Chloride	2.17	62	144588	31.521	ug/l	100
5) Bromomethane	2.54	94	88985	32.426	ug/l	100
6) Chloroethane	2.68	64	89092	34.276	ug/l	100
7) Trichlorofluoromethane	3.00	101	185405	33.536	ug/l	100
8) Diethyl Ether	3.39	74	122308	50.843	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	184753	50.908	ug/l	100
10) Methyl Iodide	3.93	142	252184	53.085	ug/l	100
11) Tert butyl alcohol	4.74	59	201454	271.357	ug/l	100
12) 1,1-Dichloroethene	3.71	96	182807	51.410	ug/l	100
13) Acrolein	3.58	56	186677	264.974	ug/l	100
14) Allyl chloride	4.30	41	355455	53.421	ug/l	100
15) Acrylonitrile	4.95	53	580871	280.631	ug/l	100
16) Acetone	3.79	43	612064	298.822	ug/l	100
17) Carbon Disulfide	4.03	76	595794	48.734	ug/l	100
18) Methyl Acetate	4.29	43	293019	52.696	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	630843	54.428	ug/l	100
20) Methylene Chloride	4.52	84	213893	52.145	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	201008	51.743	ug/l	100
22) Diisopropyl ether	5.92	45	688772	55.470	ug/l	100
23) Vinyl Acetate	5.86	43	2891751	287.221	ug/l	100
24) 1,1-Dichloroethane	5.82	63	385467	54.087	ug/l	100
25) 2-Butanone	6.81	43	820811	290.637	ug/l	100
26) 2,2-Dichloropropane	6.80	77	328873	54.150	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	226120	53.050	ug/l	100
28) Bromochloromethane	7.17	49	151781	62.464	ug/l	100
29) Tetrahydrofuran	7.18	42	528692	281.493	ug/l	100
30) Chloroform	7.35	83	363702	50.777	ug/l	100
31) Cyclohexane	7.63	56	362817	50.800	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	317009	54.072	ug/l	100
36) 1,1-Dichloropropene	7.77	75	290209	53.769	ug/l	100
37) Ethyl Acetate	6.90	43	325332	55.903	ug/l	100
38) Carbon Tetrachloride	7.75	117	282891	55.254	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	358127	55.422	ug/l	100
40) Benzene	8.02	78	864404	53.859	ug/l	100
41) Methacrylonitrile	7.15	41	137754m	50.989	ug/l	
42) 1,2-Dichloroethane	8.10	62	288112	56.187	ug/l	100
43) Isopropyl Acetate	8.15	43	500805	56.911	ug/l	100
44) Trichloroethene	8.82	130	220668	54.024	ug/l	100
45) 1,2-Dichloropropane	9.10	63	229987	54.766	ug/l	100
46) Dibromomethane	9.19	93	142304	54.822	ug/l	100
47) Bromodichloromethane	9.39	83	287468	54.740	ug/l	100
48) Methyl methacrylate	9.18	41	224631	57.393	ug/l	100
49) 1,4-Dioxane	9.18	88	66057	1189.726	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1547000	300.819	ug/l	100
52) Toluene	10.15	92	529393	55.148	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	339717	56.237	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	365563	56.273	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	208079	55.152	ug/l	100
56) Ethyl methacrylate	10.42	69	323658	58.747	ug/l	100
57) 1,3-Dichloropropane	10.70	76	355897	54.780	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	522437	328.895	ug/l	100
59) 2-Hexanone	10.74	43	1175976	307.589	ug/l	100
60) Dibromochloromethane	10.90	129	222106	56.616	ug/l	100
61) 1,2-Dibromoethane	11.00	107	216345	55.963	ug/l	100
64) Tetrachloroethene	10.63	164	207529	54.728	ug/l	100
65) Chlorobenzene	11.43	112	551550	53.264	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	203304	54.075	ug/l	100
67) Ethyl Benzene	11.51	91	1011997	55.492	ug/l	100
68) m/p-Xylenes	11.62	106	765162	112.114	ug/l	100
69) o-Xylene	11.95	106	360010	55.231	ug/l	100
70) Styrene	11.96	104	584157	57.148	ug/l	100
71) Bromoform	12.13	173	162717	56.557	ug/l #	100
73) Isopropylbenzene	12.25	105	974099	53.674	ug/l	100
74) N-amyl acetate	12.07	43	409563	59.096	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	312397	52.447	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	277367m	49.327	ug/l	
77) Bromobenzene	12.53	156	234328	52.759	ug/l	100
78) n-propylbenzene	12.59	91	1154426	55.063	ug/l	100
79) 2-Chlorotoluene	12.67	91	670683	53.558	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	825505	54.108	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	116211	53.349	ug/l	100
82) 4-Chlorotoluene	12.77	91	694058	53.805	ug/l	100
83) tert-Butylbenzene	12.99	119	703566	53.549	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	820442	54.872	ug/l	100
85) sec-Butylbenzene	13.17	105	954006	54.751	ug/l	100
86) p-Isopropyltoluene	13.29	119	858509	54.548	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	415844	52.860	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	415394	52.523	ug/l	100
89) n-Butylbenzene	13.62	91	758335	55.036	ug/l	100
90) Hexachloroethane	13.88	117	157606	52.280	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	403881	52.392	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62163	45.949	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	229862	48.433	ug/l	100
94) Hexachlorobutadiene	15.01	225	146678	49.937	ug/l	100
95) Naphthalene	15.13	128	606387	44.842	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	224323	44.420	ug/l	100

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

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