

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120619\
 Data File : VN059523.D
 Acq On : 6 Dec 2019 18:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/9/2019 8:47:50 AM

Quant Time: Dec 06 23:42:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	238935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	385591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	362145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	173025	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	169452	57.09	ug/l	0.00
Spiked Amount			Recovery	=	114.18%	
35) Dibromofluoromethane	7.57	113	120451	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
50) Toluene-d8	10.08	98	480509	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	174494	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	131572	49.484	ug/l	99
3) Chloromethane	2.04	50	209214	58.708	ug/l	99
4) Vinyl Chloride	2.17	62	202954	94.907	ug/l	97
5) Bromomethane	2.54	94	122077	93.938	ug/l	99
6) Chloroethane	2.68	64	126756	100.400	ug/l	99
7) Trichlorofluoromethane	3.00	101	242084	93.736	ug/l	97
8) Diethyl Ether	3.39	74	77724	46.190	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	121088	47.762	ug/l	97
10) Methyl Iodide	3.93	142	157966	49.208	ug/l	95
11) Tert butyl alcohol	4.74	59	130295	232.951	ug/l	98
12) 1,1-Dichloroethene	3.71	96	116959	47.194	ug/l	95
13) Acrolein	3.58	56	174384	359.242	ug/l	97
14) Allyl chloride	4.29	41	231646	47.457	ug/l	90
15) Acrylonitrile	4.95	53	376283	248.670	ug/l	98
16) Acetone	3.79	43	349971	210.310	ug/l	95
17) Carbon Disulfide	4.03	76	369002	43.638	ug/l	100
18) Methyl Acetate	4.29	43	205735	51.489	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	427180	50.575	ug/l	99
20) Methylene Chloride	4.52	84	140753	50.353	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	131290	47.347	ug/l	97
22) Diisopropyl ether	5.92	45	474754	52.256	ug/l	96
23) Vinyl Acetate	5.86	43	2042483	280.171	ug/l	98
24) 1,1-Dichloroethane	5.82	63	259955	50.368	ug/l	99
25) 2-Butanone	6.81	43	536242	237.688	ug/l	99
26) 2,2-Dichloropropane	6.80	77	221288	49.573	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	151166	49.085	ug/l	97
28) Bromochloromethane	7.17	49	110035	54.706	ug/l	95
29) Tetrahydrofuran	7.18	42	360342	254.012	ug/l	98
30) Chloroform	7.35	83	258707	51.916	ug/l	98
31) Cyclohexane	7.63	56	235397	47.073	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	227714	52.576	ug/l	97
36) 1,1-Dichloropropene	7.77	75	195193	48.646	ug/l	99
37) Ethyl Acetate	6.90	43	226567	50.550	ug/l	98
38) Carbon Tetrachloride	7.75	117	200620	51.984	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	227811	47.178	ug/l	97
40) Benzene	8.02	78	575922	49.014	ug/l	98
41) Methacrylonitrile	7.15	41	95320m	52.474	ug/l	
42) 1,2-Dichloroethane	8.10	62	222988	55.867	ug/l	97
43) Isopropyl Acetate	8.14	43	361253	54.191	ug/l	97
44) Trichloroethene	8.82	130	143384	46.695	ug/l	99
45) 1,2-Dichloropropane	9.10	63	156241	49.770	ug/l	100
46) Dibromomethane	9.19	93	102050	52.214	ug/l	95
47) Bromodichloromethane	9.39	83	209404	53.435	ug/l	99
48) Methyl methacrylate	9.18	41	164171	54.587	ug/l	91
49) 1,4-Dioxane	9.18	88	39754	873.545	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	1129971	285.561	ug/l	95
52) Toluene	10.15	92	355484	50.023	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	236533	51.294	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	249851	51.118	ug/l #	90
55) 1,1,2-Trichloroethane	10.55	97	140983	50.325	ug/l	99
56) Ethyl methacrylate	10.42	69	217717	48.062	ug/l #	88
57) 1,3-Dichloropropane	10.70	76	247890	51.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	347885	226.494	ug/l	100
59) 2-Hexanone	10.74	43	842331	282.857	ug/l	94
60) Dibromochloromethane	10.90	129	156790	52.417	ug/l	99
61) 1,2-Dibromoethane	11.00	107	149024	51.482	ug/l	99
64) Tetrachloroethene	10.63	164	134544	43.676	ug/l	96
65) Chlorobenzene	11.43	112	375997	47.493	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	140389	49.351	ug/l	99
67) Ethyl Benzene	11.51	91	687103	49.536	ug/l	100
68) m/p-Xylenes	11.62	106	513075	99.340	ug/l	96
69) o-Xylene	11.95	106	244289	49.681	ug/l	98
70) Styrene	11.96	104	398491	50.767	ug/l	98
71) Bromoform	12.12	173	111614	50.336	ug/l #	100
73) Isopropylbenzene	12.25	105	663629	47.825	ug/l	99
74) N-amyl acetate	12.07	43	304606	54.499	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	220275	49.489	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	209762m	48.758	ug/l	
77) Bromobenzene	12.53	156	154331	44.507	ug/l	93
78) n-propylbenzene	12.59	91	794032	49.172	ug/l	99
79) 2-Chlorotoluene	12.67	91	462105	47.472	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	573702	49.474	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	80009	48.807	ug/l	92
82) 4-Chlorotoluene	12.77	91	481262	47.919	ug/l	99
83) tert-Butylbenzene	12.99	119	480360	47.714	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	570183	50.313	ug/l	99
85) sec-Butylbenzene	13.17	105	656916	49.233	ug/l	99
86) p-Isopropyltoluene	13.29	119	589344	49.289	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	285118	46.636	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	282029	45.741	ug/l	99
89) n-Butylbenzene	13.62	91	523901	48.905	ug/l	98
90) Hexachloroethane	13.88	117	113471	49.204	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	277690	47.380	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48458	52.799	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152119	42.516	ug/l	98
94) Hexachlorobutadiene	15.01	225	94482	46.589	ug/l	100
95) Naphthalene	15.13	128	396842	40.731	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	148636	41.693	ug/l	99

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

