

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121219\
 Data File : VN059581.D
 Acq On : 12 Dec 2019 18:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/13/2019 2:17:18 PM

Quant Time: Dec 13 09:01:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	256835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	409573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	375092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	184466	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	193381	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	7.57	113	135743	55.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.08%	
50) Toluene-d8	10.08	98	534637	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.40	95	194524	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	123279	41.615	ug/l	98
3) Chloromethane	2.04	50	201597	44.956	ug/l	99
4) Vinyl Chloride	2.17	62	200636	45.393	ug/l	99
5) Bromomethane	2.50	94	90007	33.432	ug/l	98
6) Chloroethane	2.66	64	117285	44.437	ug/l	95
7) Trichlorofluoromethane	2.98	101	237938	45.032	ug/l	98
8) Diethyl Ether	3.38	74	73617	40.655	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	116925	42.521	ug/l	98
10) Methyl Iodide	3.92	142	152320	40.909	ug/l	99
11) Tert butyl alcohol	4.75	59	110118	185.431	ug/l	100
12) 1,1-Dichloroethene	3.71	96	112013	41.903	ug/l	98
13) Acrolein	3.58	56	63678	220.351	ug/l	100
14) Allyl chloride	4.29	41	223060	43.377	ug/l	99
15) Acrylonitrile	4.95	53	355512	226.983	ug/l	99
16) Acetone	3.79	43	313758	187.112	ug/l	100
17) Carbon Disulfide	4.02	76	342915	40.354	ug/l	99
18) Methyl Acetate	4.29	43	191821	43.571	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	411967	46.362	ug/l	98
20) Methylene Chloride	4.52	84	133979	44.307	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	125368	43.696	ug/l	97
22) Diisopropyl ether	5.92	45	443518	45.306	ug/l	97
23) Vinyl Acetate	5.86	43	1935297	236.993	ug/l	100
24) 1,1-Dichloroethane	5.81	63	250190	45.014	ug/l	99
25) 2-Butanone	6.80	43	491449	217.736	ug/l	100
26) 2,2-Dichloropropane	6.79	77	216809	43.178	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	143170	44.365	ug/l	99
28) Bromochloromethane	7.17	49	102709	48.502	ug/l	98
29) Tetrahydrofuran	7.18	42	332637	211.871	ug/l	100
30) Chloroform	7.35	83	246225	44.887	ug/l	97
31) Cyclohexane	7.63	56	221775	41.002	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	219448	45.095	ug/l	99
36) 1,1-Dichloropropene	7.77	75	187883	44.712	ug/l	99
37) Ethyl Acetate	6.90	43	209747	43.026	ug/l	100
38) Carbon Tetrachloride	7.75	117	191250	46.175	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	212597	45.104	ug/l	99
40) Benzene	8.02	78	539584	44.950	ug/l	99
41) Methacrylonitrile	7.15	41	88302m	43.241	ug/l	
42) 1,2-Dichloroethane	8.10	62	209561	46.855	ug/l	99
43) Isopropyl Acetate	8.14	43	334322	46.090	ug/l	99
44) Trichloroethene	8.82	130	138866	45.790	ug/l	98
45) 1,2-Dichloropropane	9.10	63	146650	46.116	ug/l	99
46) Dibromomethane	9.19	93	94986	45.197	ug/l	99
47) Bromodichloromethane	9.39	83	194324	46.525	ug/l	100
48) Methyl methacrylate	9.18	41	153789	48.489	ug/l	98
49) 1,4-Dioxane	9.19	88	30648	755.258	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	1019652	221.145	ug/l	99
52) Toluene	10.14	92	329039	46.004	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	227025	46.651	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	235786	47.340	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	132301	45.736	ug/l	99
56) Ethyl methacrylate	10.42	69	202803	41.094	ug/l	100
57) 1,3-Dichloropropane	10.70	76	233381	47.239	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	216734	182.893	ug/l	100
59) 2-Hexanone	10.74	43	775101	220.447	ug/l	100
60) Dibromochloromethane	10.90	129	146284	42.531	ug/l	99
61) 1,2-Dibromoethane	11.00	107	138438	45.971	ug/l	99
64) Tetrachloroethene	10.62	164	124675	45.479	ug/l	97
65) Chlorobenzene	11.43	112	346720	44.115	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	133300	45.475	ug/l	100
67) Ethyl Benzene	11.51	91	637878	45.102	ug/l	99
68) m/p-Xylenes	11.62	106	474111	89.363	ug/l	99
69) o-Xylene	11.94	106	223248	45.209	ug/l	96
70) Styrene	11.96	104	363022	44.374	ug/l	97
71) Bromoform	12.12	173	104984	45.518	ug/l #	100
73) Isopropylbenzene	12.25	105	606009	43.796	ug/l	100
74) N-amyl acetate	12.07	43	291797	48.412	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	197388	42.099	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	202372m	42.900	ug/l	
77) Bromobenzene	12.52	156	143535	41.667	ug/l	92
78) n-propylbenzene	12.59	91	720331	42.364	ug/l	99
79) 2-Chlorotoluene	12.67	91	422584	41.679	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	513537	43.280	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	75395	43.001	ug/l #	86
82) 4-Chlorotoluene	12.77	91	442146	42.648	ug/l	99
83) tert-Butylbenzene	12.99	119	431103	43.569	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	516587	44.092	ug/l	100
85) sec-Butylbenzene	13.17	105	584237	42.988	ug/l	99
86) p-Isopropyltoluene	13.29	119	533695	43.936	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	263905	41.593	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	266369	42.875	ug/l	99
89) n-Butylbenzene	13.61	91	497235	43.595	ug/l	99
90) Hexachloroethane	13.87	117	96896	43.435	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	263463	44.247	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47194	44.150	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	163209	39.630	ug/l	100
94) Hexachlorobutadiene	15.01	225	83759	39.810	ug/l	99
95) Naphthalene	15.12	128	483505	40.164	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	159250	40.196	ug/l	99

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

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