

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059587.D
 Acq On : 13 Dec 2019 16:44
 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
 12/16/2019 12:48:54 PM

Quant Time: Dec 13 17:40:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 17:23:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	255311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	413862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	381495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	182878	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	7.57	113	126344	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	10.08	98	511680	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	188758	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	153744	50.647	ug/l	100
3) Chloromethane	2.04	50	250211	53.831	ug/l	100
4) Vinyl Chloride	2.17	62	235445	51.922	ug/l	100
5) Bromomethane	2.53	94	137834	49.734	ug/l	100
6) Chloroethane	2.67	64	131856	49.015	ug/l	100
7) Trichlorofluoromethane	2.99	101	273506	50.654	ug/l	100
8) Diethyl Ether	3.38	74	83249	45.330	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	130064	46.674	ug/l	100
10) Methyl Iodide	3.92	142	180670	47.438	ug/l	100
11) Tert butyl alcohol	4.75	59	158021	255.146	ug/l	100
12) 1,1-Dichloroethene	3.71	96	127479	46.794	ug/l	100
13) Acrolein	3.58	56	124899	353.712	ug/l	100
14) Allyl chloride	4.29	41	255115	48.818	ug/l	100
15) Acrylonitrile	4.95	53	404588	253.550	ug/l	100
16) Acetone	3.79	43	530032	294.084	ug/l	100
17) Carbon Disulfide	4.02	76	399082	39.889	ug/l	100
18) Methyl Acetate	4.29	43	214829	47.878	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	460650	50.918	ug/l	100
20) Methylene Chloride	4.52	84	149492	43.304	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	141219	48.458	ug/l	100
22) Diisopropyl ether	5.92	45	499545	50.235	ug/l	100
23) Vinyl Acetate	5.86	43	2071633	251.526	ug/l	100
24) 1,1-Dichloroethane	5.82	63	279071	49.373	ug/l	100
25) 2-Butanone	6.81	43	644573	275.715	ug/l	100
26) 2,2-Dichloropropane	6.80	77	254136	49.732	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	162491	49.503	ug/l	100
28) Bromochloromethane	7.17	49	117511	63.841	ug/l	100
29) Tetrahydrofuran	7.18	42	387842	243.142	ug/l	100
30) Chloroform	7.35	83	275052	49.344	ug/l	100
31) Cyclohexane	7.63	56	252429	45.941	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	245523	49.627	ug/l	100
36) 1,1-Dichloropropene	7.77	75	209524	48.592	ug/l	100
37) Ethyl Acetate	6.90	43	237759	52.912	ug/l	100
38) Carbon Tetrachloride	7.75	117	213907	50.195	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	243259	50.351	ug/l	100
40) Benzene	8.02	78	614649	49.796	ug/l	100
41) Methacrylonitrile	7.15	41	103040m	48.961	ug/l	
42) 1,2-Dichloroethane	8.10	62	237514	51.542	ug/l	100
43) Isopropyl Acetate	8.14	43	384946	51.526	ug/l	100
44) Trichloroethene	8.82	130	157130	50.233	ug/l	100
45) 1,2-Dichloropropane	9.10	63	164417	50.313	ug/l	100
46) Dibromomethane	9.19	93	107410	49.599	ug/l	100
47) Bromodichloromethane	9.39	83	218773	50.926	ug/l	100
48) Methyl methacrylate	9.18	41	174364	53.162	ug/l	100
49) 1,4-Dioxane	9.18	88	54066	1232.396	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1203944	277.177	ug/l	100
52) Toluene	10.15	92	374024	50.777	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	255230	50.926	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	268644	52.297	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	149015	50.011	ug/l	100
56) Ethyl methacrylate	10.42	69	235871	53.563	ug/l	100
57) 1,3-Dichloropropane	10.70	76	261182	51.303	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	445573	319.506	ug/l	100
59) 2-Hexanone	10.74	43	961577	292.115	ug/l	100
60) Dibromochloromethane	10.90	129	165048	51.093	ug/l	100
61) 1,2-Dibromoethane	11.00	107	156132	50.405	ug/l	100
64) Tetrachloroethene	10.62	164	161833	54.670	ug/l	100
65) Chlorobenzene	11.43	112	395739	48.581	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	151321	49.724	ug/l	100
67) Ethyl Benzene	11.51	91	733118	50.087	ug/l	100
68) m/p-Xylenes	11.62	106	540002	99.592	ug/l	100
69) o-Xylene	11.94	106	258941	51.148	ug/l	100
70) Styrene	11.96	104	428425	51.100	ug/l	100
71) Bromoform	12.12	173	120044	50.884	ug/l #	100
73) Isopropylbenzene	12.25	105	703416	48.370	ug/l	100
74) N-amyl acetate	12.07	43	336763	52.856	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	222814	45.911	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	218081m	44.553	ug/l	
77) Bromobenzene	12.52	156	166751	46.749	ug/l	100
78) n-propylbenzene	12.59	91	838585	47.437	ug/l	100
79) 2-Chlorotoluene	12.67	91	492671	46.690	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	596435	48.470	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	88660	47.838	ug/l	100
82) 4-Chlorotoluene	12.77	91	509176	47.374	ug/l	100
83) tert-Butylbenzene	12.99	119	494851	48.314	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	599366	49.386	ug/l	100
85) sec-Butylbenzene	13.17	105	676615	48.222	ug/l	100
86) p-Isopropyltoluene	13.29	119	615203	49.140	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	306292	46.856	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	302727	47.398	ug/l	100
89) n-Butylbenzene	13.62	91	569633	48.270	ug/l	100
90) Hexachloroethane	13.87	117	115425	49.891	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	300983	48.882	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54091	43.954	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	187362	44.735	ug/l	100
94) Hexachlorobutadiene	15.01	225	93353	44.150	ug/l	100
95) Naphthalene	15.12	128	555387	45.010	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	179775	41.764	ug/l	100

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

