

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052995.D
 Acq On : 19 Dec 2018 7:19
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 12:08:19 PM

Quant Time: Dec 19 08:00:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1033350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1615360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1440749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	677184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	561721	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
35) Dibromofluoromethane	7.59	113	434408	58.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.74%	
50) Toluene-d8	10.09	98	2056853	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	715904	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	515439	49.285	ug/l	99
3) Chloromethane	2.06	50	641426	50.613	ug/l	100
4) Vinyl Chloride	2.19	62	642340	50.046	ug/l	99
5) Bromomethane	2.57	94	412396	46.376	ug/l	100
6) Chloroethane	2.71	64	383331	50.428	ug/l	99
7) Trichlorofluoromethane	3.02	101	810477	50.689	ug/l	100
8) Diethyl Ether	3.41	74	311180	51.588	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	494875	48.543	ug/l	97
10) Methyl Iodide	3.96	142	746840	52.166	ug/l	99
11) Tert butyl alcohol	4.77	59	168655	263.586	ug/l	99
12) 1,1-Dichloroethene	3.74	96	495351	50.293	ug/l	98
13) Acrolein	3.61	56	200222	345.106	ug/l	99
14) Allyl chloride	4.33	41	797630	52.283	ug/l	95
15) Acrylonitrile	4.99	53	918490	258.389	ug/l	99
16) Acetone	3.82	43	584919	284.482	ug/l	96
17) Carbon Disulfide	4.06	76	1473178	45.864	ug/l	99
18) Methyl Acetate	4.32	43	474224	50.801	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1389213	52.707	ug/l	99
20) Methylene Chloride	4.55	84	571107	50.920	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	528127	49.908	ug/l	99
22) Diisopropyl ether	5.95	45	1728051	53.066	ug/l	97
23) Vinyl Acetate	5.90	43	4903591	261.868	ug/l	99
24) 1,1-Dichloroethane	5.85	63	991338	51.230	ug/l	99
25) 2-Butanone	6.83	43	958237	277.701	ug/l	99
26) 2,2-Dichloropropane	6.83	77	532313	36.036	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	608176	50.766	ug/l	97
28) Bromochloromethane	7.20	49	429424	51.213	ug/l	96
29) Tetrahydrofuran	7.21	42	686742	266.473	ug/l	98
30) Chloroform	7.37	83	968168	50.932	ug/l	100
31) Cyclohexane	7.66	56	928901	51.209	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	822127	50.769	ug/l	99
36) 1,1-Dichloropropene	7.79	75	755024	48.697	ug/l	99
37) Ethyl Acetate	6.93	43	457539	52.861	ug/l	99
38) Carbon Tetrachloride	7.78	117	706626	49.722	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	885715	47.025	ug/l	99
40) Benzene	8.04	78	2316540	50.230	ug/l	99
41) Methacrylonitrile	7.17	41	250311	50.052	ug/l	99
42) 1,2-Dichloroethane	8.13	62	683346	50.157	ug/l	100
43) Isopropyl Acetate	8.16	43	868504	51.891	ug/l	99
44) Trichloroethene	8.84	130	652498	48.916	ug/l	96
45) 1,2-Dichloropropane	9.12	63	606332	50.475	ug/l	100
46) Dibromomethane	9.21	93	350397	50.072	ug/l	98
47) Bromodichloromethane	9.40	83	747497	50.252	ug/l	100
48) Methyl methacrylate	9.20	41	431127	51.331	ug/l	99
49) 1,4-Dioxane	9.20	88	106418	1001.640	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2223468	265.263	ug/l	99
52) Toluene	10.16	92	1436600	50.256	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	732345	46.820	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	862000	48.011	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	505035	50.643	ug/l	99
56) Ethyl methacrylate	10.43	69	688869	52.189	ug/l	97
57) 1,3-Dichloropropane	10.71	76	868909	50.810	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1913608	264.072	ug/l	98
59) 2-Hexanone	10.75	43	1504938	265.365	ug/l	99
60) Dibromochloromethane	10.90	129	569363	49.877	ug/l	99
61) 1,2-Dibromoethane	11.01	107	513799	50.730	ug/l	100
64) Tetrachloroethene	10.63	164	759652	48.675	ug/l	98
65) Chlorobenzene	11.43	112	1580580	49.490	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	557258	50.176	ug/l	99
67) Ethyl Benzene	11.51	91	2737699	49.845	ug/l	100
68) m/p-Xylenes	11.62	106	2070052	99.142	ug/l	99
69) o-Xylene	11.95	106	1015688	50.694	ug/l	100
70) Styrene	11.96	104	1668601	51.074	ug/l	99
71) Bromoform	12.13	173	392075	48.867	ug/l #	100
73) Isopropylbenzene	12.25	105	2685111	50.678	ug/l	100
74) N-amyl acetate	12.07	43	784103	53.303	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	541228	52.068	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	501883m	44.026	ug/l	
77) Bromobenzene	12.53	156	689311	50.049	ug/l	97
78) n-propylbenzene	12.59	91	3024158	50.116	ug/l	100
79) 2-Chlorotoluene	12.68	91	1783928	47.694	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2143381	49.631	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	161590	45.688	ug/l	95
82) 4-Chlorotoluene	12.77	91	1811413	49.472	ug/l	100
83) tert-Butylbenzene	12.99	119	1873943	49.063	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2161050	49.777	ug/l	100
85) sec-Butylbenzene	13.17	105	2490760	48.213	ug/l	100
86) p-Isopropyltoluene	13.29	119	2159052	48.366	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1199443	49.206	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1179961	47.800	ug/l	100
89) n-Butylbenzene	13.62	91	1753569	45.661	ug/l	100
90) Hexachloroethane	13.88	117	334696	48.858	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1147489	50.018	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	89744	49.933	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	580051	47.750	ug/l	100
94) Hexachlorobutadiene	15.01	225	321135	51.091	ug/l	99
95) Naphthalene	15.13	128	1262442	47.475	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	518718	47.419	ug/l	100

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

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