

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058048.D
 Acq On : 14 Sep 2019 3:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:23 PM

Quant Time: Sep 14 06:41:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	318879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	521459	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	489717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	301867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	334974	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
35) Dibromofluoromethane	7.58	113	239029	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.09	98	952543	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.40	95	349868	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	218295	49.500	ug/l	100
3) Chloromethane	2.04	50	183961	40.928	ug/l	100
4) Vinyl Chloride	2.17	62	194195	40.823	ug/l	99
5) Bromomethane	2.54	94	116271	44.305	ug/l	98
6) Chloroethane	2.68	64	124640	41.118	ug/l	98
7) Trichlorofluoromethane	3.00	101	261732	43.721	ug/l	100
8) Diethyl Ether	3.39	74	121543	48.678	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	186683	49.433	ug/l	99
10) Methyl Iodide	3.93	142	192383	45.779	ug/l	100
11) Tert butyl alcohol	4.76	59	198142	253.475	ug/l	99
12) 1,1-Dichloroethene	3.72	96	156584	46.115	ug/l	93
13) Acrolein	3.59	56	27312	41.183	ug/l	97
14) Allyl chloride	4.30	41	305284	45.942	ug/l	98
15) Acrylonitrile	4.96	53	559420	260.367	ug/l	100
16) Acetone	3.79	43	477153	225.363	ug/l	100
17) Carbon Disulfide	4.03	76	218230	41.322	ug/l	99
18) Methyl Acetate	4.30	43	319906	56.668	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	740320	52.390	ug/l	99
20) Methylene Chloride	4.53	84	220373	54.792	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	174723	47.601	ug/l	98
22) Diisopropyl ether	5.93	45	817753	52.477	ug/l	96
23) Vinyl Acetate	5.87	43	2954320	267.509	ug/l	100
24) 1,1-Dichloroethane	5.83	63	440298	51.699	ug/l	99
25) 2-Butanone	6.82	43	757059	247.048	ug/l	99
26) 2,2-Dichloropropane	6.81	77	254567	37.770	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	245967	50.004	ug/l	100
28) Bromochloromethane	7.18	49	224811	52.837	ug/l	96
29) Tetrahydrofuran	7.19	42	489634	259.297	ug/l	99
30) Chloroform	7.36	83	461477	51.823	ug/l	97
31) Cyclohexane	7.64	56	291787	50.289	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	359909	50.961	ug/l	98
36) 1,1-Dichloropropene	7.78	75	283751	46.920	ug/l	100
37) Ethyl Acetate	6.91	43	305651	48.918	ug/l	99
38) Carbon Tetrachloride	7.76	117	280388	50.782	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	294081	46.258	ug/l	98
40) Benzene	8.03	78	907011	49.816	ug/l	99
41) Methacrylonitrile	7.16	41	123276m	43.464	ug/l	
42) 1,2-Dichloroethane	8.11	62	378489	51.978	ug/l	100
43) Isopropyl Acetate	8.15	43	600983	57.196	ug/l	96
44) Trichloroethene	8.83	130	218216	48.865	ug/l	98
45) 1,2-Dichloropropane	9.11	63	272715	51.475	ug/l	100
46) Dibromomethane	9.20	93	165550	51.711	ug/l	99
47) Bromodichloromethane	9.40	83	343585	53.744	ug/l	98
48) Methyl methacrylate	9.19	41	275080	51.609	ug/l	100
49) 1,4-Dioxane	9.19	88	85034	943.391	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1698112	273.095	ug/l	100
52) Toluene	10.15	92	573798	50.037	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	342503	50.875	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	375967	50.582	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	258706	53.259	ug/l	98
56) Ethyl methacrylate	10.43	69	379254	51.847	ug/l	99
57) 1,3-Dichloropropane	10.71	76	432628	51.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	831548	241.360	ug/l	99
59) 2-Hexanone	10.75	43	1212002	260.050	ug/l	100
60) Dibromochloromethane	10.90	129	242276	53.712	ug/l	98
61) 1,2-Dibromoethane	11.00	107	240472	52.364	ug/l	100
64) Tetrachloroethene	10.63	164	187628	51.891	ug/l	99
65) Chlorobenzene	11.43	112	649403	50.670	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	239039	53.751	ug/l	99
67) Ethyl Benzene	11.51	91	1170616	52.118	ug/l	100
68) m/p-Xylenes	11.62	106	860179	104.550	ug/l	99
69) o-Xylene	11.95	106	427136	52.222	ug/l	97
70) Styrene	11.97	104	759128	53.929	ug/l	99
71) Bromoform	12.13	173	149534	53.932	ug/l	97
73) Isopropylbenzene	12.25	105	1200778	51.263	ug/l	99
74) N-amyl acetate	12.07	43	511167	50.143	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	388677	49.282	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	316947m	46.414	ug/l	
77) Bromobenzene	12.53	156	282693	48.406	ug/l	97
78) n-propylbenzene	12.59	91	1414898	52.603	ug/l	99
79) 2-Chlorotoluene	12.68	91	840218	49.424	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1041193	52.607	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	84903	43.753	ug/l	95
82) 4-Chlorotoluene	12.78	91	891952	51.091	ug/l	100
83) tert-Butylbenzene	13.00	119	897050	50.989	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1054782	52.437	ug/l	99
85) sec-Butylbenzene	13.18	105	1224546	52.514	ug/l	99
86) p-Isopropyltoluene	13.29	119	1101214	53.598	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	537109	50.106	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	542984	49.903	ug/l	100
89) n-Butylbenzene	13.62	91	1004442	51.768	ug/l	100
90) Hexachloroethane	13.88	117	160554	52.544	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	540350	50.457	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	70825	54.378	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	339137	48.450	ug/l	99
94) Hexachlorobutadiene	15.01	225	152005	51.228	ug/l	98
95) Naphthalene	15.13	128	962622	54.619	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	323584	52.894	ug/l	99

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

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