

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
 Data File : VN057894.D
 Acq On : 11 Sep 2019 3:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:26 AM

Quant Time: Sep 11 05:31:18 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	339694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	562857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	536543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	321955	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	348828	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	7.57	113	255167	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	10.09	98	1028325	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.40	95	375665	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	221846	47.223	ug/l	99
3) Chloromethane	2.04	50	203864	42.577	ug/l	99
4) Vinyl Chloride	2.16	62	220686	43.549	ug/l	98
5) Bromomethane	2.53	94	114381	40.794	ug/l	99
6) Chloroethane	2.67	64	141892	43.941	ug/l	97
7) Trichlorofluoromethane	2.99	101	277893	43.576	ug/l	100
8) Diethyl Ether	3.39	74	127629	47.984	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	178221	44.301	ug/l	99
10) Methyl Iodide	3.93	142	143633	32.084	ug/l	97
11) Tert butyl alcohol	4.77	59	208805	250.748	ug/l	99
12) 1,1-Dichloroethene	3.71	96	164291	45.420	ug/l	98
13) Acrolein	3.58	56	136700	193.494	ug/l	97
14) Allyl chloride	4.30	41	306864	43.350	ug/l	99
15) Acrylonitrile	4.96	53	564264	246.529	ug/l	99
16) Acetone	3.80	43	471880	209.216	ug/l	98
17) Carbon Disulfide	4.03	76	242173	43.039	ug/l	98
18) Methyl Acetate	4.30	43	310530	51.637	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	762209	50.634	ug/l	97
20) Methylene Chloride	4.53	84	221003	51.508	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	180344	46.122	ug/l	95
22) Diisopropyl ether	5.93	45	827453	49.845	ug/l	98
23) Vinyl Acetate	5.87	43	3018199	256.547	ug/l	100
24) 1,1-Dichloroethane	5.82	63	435760	48.031	ug/l	99
25) 2-Butanone	6.82	43	772069	236.508	ug/l	99
26) 2,2-Dichloropropane	6.80	77	239916	33.415	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	254298	48.529	ug/l	95
28) Bromochloromethane	7.18	49	226992	50.081	ug/l	96
29) Tetrahydrofuran	7.19	42	497001	247.071	ug/l	99
30) Chloroform	7.36	83	451582	47.604	ug/l	97
31) Cyclohexane	7.64	56	300050	48.463	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	365767	48.617	ug/l	99
36) 1,1-Dichloropropene	7.78	75	288228	44.155	ug/l	99
37) Ethyl Acetate	6.91	43	309319	45.864	ug/l	99
38) Carbon Tetrachloride	7.76	117	286595	48.089	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	298798	43.544	ug/l	100
40) Benzene	8.03	78	929450	47.294	ug/l	98
41) Methacrylonitrile	7.16	41	161010	52.593	ug/l	94
42) 1,2-Dichloroethane	8.11	62	373719	47.549	ug/l	100
43) Isopropyl Acetate	8.15	43	569398	50.204	ug/l	100
44) Trichloroethene	8.83	130	224059	46.483	ug/l	98
45) 1,2-Dichloropropane	9.11	63	272123	47.586	ug/l	100
46) Dibromomethane	9.20	93	169848	49.151	ug/l	99
47) Bromodichloromethane	9.40	83	348173	50.456	ug/l	98
48) Methyl methacrylate	9.19	41	282100	49.033	ug/l	99
49) 1,4-Dioxane	9.19	88	93014	956.025	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1772978	264.164	ug/l	100
52) Toluene	10.15	92	594110	47.998	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	355818	48.966	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	388627	48.440	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	258596	49.321	ug/l	98
56) Ethyl methacrylate	10.43	69	404152	51.187	ug/l	99
57) 1,3-Dichloropropane	10.71	76	445292	49.281	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	965348	259.588	ug/l	99
59) 2-Hexanone	10.75	43	1276500	253.745	ug/l	99
60) Dibromochloromethane	10.90	129	252305	51.821	ug/l	100
61) 1,2-Dibromoethane	11.00	107	248480	50.128	ug/l	100
64) Tetrachloroethene	10.63	164	190264	48.027	ug/l	98
65) Chlorobenzene	11.43	112	686980	48.924	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	250358	51.383	ug/l	99
67) Ethyl Benzene	11.51	91	1224923	49.776	ug/l	99
68) m/p-Xylenes	11.62	106	898464	99.673	ug/l	99
69) o-Xylene	11.95	106	457344	51.035	ug/l	99
70) Styrene	11.97	104	795896	51.606	ug/l	100
71) Bromoform	12.13	173	162909	53.628	ug/l #	99
73) Isopropylbenzene	12.25	105	1249811	50.027	ug/l	99
74) N-amyl acetate	12.07	43	556389	51.174	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	403588	47.980	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	334710m	45.957	ug/l	
77) Bromobenzene	12.53	156	292387	46.942	ug/l	98
78) n-propylbenzene	12.59	91	1452027	50.615	ug/l	100
79) 2-Chlorotoluene	12.68	91	862825	47.587	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1072224	50.795	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	93159	45.012	ug/l	97
82) 4-Chlorotoluene	12.78	91	916011	49.195	ug/l	100
83) tert-Butylbenzene	13.00	119	920451	49.055	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1078305	50.261	ug/l	99
85) sec-Butylbenzene	13.18	105	1248151	50.187	ug/l	100
86) p-Isopropyltoluene	13.29	119	1125081	51.343	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	555425	48.582	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	560263	48.278	ug/l	100
89) n-Butylbenzene	13.62	91	1026566	49.607	ug/l	100
90) Hexachloroethane	13.88	117	167754	51.475	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	559121	48.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	72710	52.342	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	344943	46.205	ug/l	100
94) Hexachlorobutadiene	15.01	225	144327	45.606	ug/l	98
95) Naphthalene	15.13	128	1020008	54.253	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	325074	49.880	ug/l	100

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

