

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058004.D
 Acq On : 13 Sep 2019 9:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 1:48:33 PM

Quant Time: Sep 14 02:22:06 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	325156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	525734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	504748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	334474	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	7.58	113	244169	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.08	98	980527	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.40	95	352619	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	223362	49.672	ug/l	99
3) Chloromethane	2.04	50	187898	40.997	ug/l	100
4) Vinyl Chloride	2.17	62	198411	40.904	ug/l	100
5) Bromomethane	2.54	94	125668	47.055	ug/l	97
6) Chloroethane	2.69	64	128413	41.545	ug/l	100
7) Trichlorofluoromethane	3.00	101	263250	43.125	ug/l	98
8) Diethyl Ether	3.39	74	120970	47.514	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	186390	48.403	ug/l	99
10) Methyl Iodide	3.93	142	201332	46.983	ug/l	100
11) Tert butyl alcohol	4.76	59	181469	227.665	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	161660	46.691	ug/l	97
13) Acrolein	3.59	56	21661	32.031	ug/l	98
14) Allyl chloride	4.30	41	319074m	47.090	ug/l	
15) Acrylonitrile	4.96	53	550966	251.482	ug/l	99
16) Acetone	3.79	43	554446	256.814	ug/l	99
17) Carbon Disulfide	4.03	76	231865	43.050	ug/l	98
18) Methyl Acetate	4.30	43	298169	51.798	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	733891	50.933	ug/l	98
20) Methylene Chloride	4.53	84	212258	51.686	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	177764	47.495	ug/l	95
22) Diisopropyl ether	5.93	45	813558	51.200	ug/l	99
23) Vinyl Acetate	5.87	43	2984447	265.020	ug/l	99
24) 1,1-Dichloroethane	5.83	63	428601	49.354	ug/l	99
25) 2-Butanone	6.81	43	796156	254.791	ug/l	97
26) 2,2-Dichloropropane	6.81	77	351163	51.096	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	243387	48.524	ug/l	98
28) Bromochloromethane	7.18	49	220615	50.850	ug/l	98
29) Tetrahydrofuran	7.19	42	478137	248.321	ug/l	98
30) Chloroform	7.36	83	454960	50.105	ug/l	98
31) Cyclohexane	7.64	56	302245	51.123	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	361911	50.255	ug/l	99
36) 1,1-Dichloropropene	7.78	75	285339	46.799	ug/l	100
37) Ethyl Acetate	6.91	43	311277	49.413	ug/l	100
38) Carbon Tetrachloride	7.76	117	285138	51.223	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	303416	47.339	ug/l	100
40) Benzene	8.03	78	909114	49.526	ug/l	98
41) Methacrylonitrile	7.16	41	141784m	49.583	ug/l	
42) 1,2-Dichloroethane	8.11	62	371968	50.668	ug/l	100
43) Isopropyl Acetate	8.15	43	558717	52.741	ug/l #	90
44) Trichloroethene	8.82	130	218685	48.572	ug/l	98
45) 1,2-Dichloropropane	9.11	63	271046	50.744	ug/l	99
46) Dibromomethane	9.20	93	164516	50.970	ug/l	99
47) Bromodichloromethane	9.39	83	343224	53.251	ug/l	99
48) Methyl methacrylate	9.19	41	265051	49.323	ug/l	99
49) 1,4-Dioxane	9.19	88	81277	894.377	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1669524	266.314	ug/l	99
52) Toluene	10.15	92	574680	49.706	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	363681	53.582	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	396090	52.856	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	247825	50.604	ug/l	97
56) Ethyl methacrylate	10.43	69	377328	51.164	ug/l	100
57) 1,3-Dichloropropane	10.71	76	432185	51.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	822655	236.838	ug/l	99
59) 2-Hexanone	10.75	43	1230727	261.921	ug/l	100
60) Dibromochloromethane	10.90	129	242210	53.261	ug/l	99
61) 1,2-Dibromoethane	11.00	107	237483	51.293	ug/l	99
64) Tetrachloroethene	10.63	164	175794	47.170	ug/l	98
65) Chlorobenzene	11.43	112	647930	49.050	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237755	51.870	ug/l	99
67) Ethyl Benzene	11.51	91	1175230	50.765	ug/l	98
68) m/p-Xylenes	11.62	106	864748	101.975	ug/l	99
69) o-Xylene	11.95	106	425474	50.469	ug/l	97
70) Styrene	11.97	104	750386	51.720	ug/l	99
71) Bromoform	12.13	173	151258	52.929	ug/l #	98
73) Isopropylbenzene	12.25	105	1198669	50.727	ug/l	100
74) N-amyl acetate	12.07	43	500606	48.679	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	381055	47.894	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	342351m	49.697	ug/l	
77) Bromobenzene	12.53	156	278696	47.305	ug/l	99
78) n-propylbenzene	12.59	91	1418680	52.283	ug/l	99
79) 2-Chlorotoluene	12.68	91	837300	48.823	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1027843	51.480	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	97929	50.025	ug/l	96
82) 4-Chlorotoluene	12.78	91	883166	50.147	ug/l	99
83) tert-Butylbenzene	13.00	119	895215	50.441	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1049914	51.739	ug/l	98
85) sec-Butylbenzene	13.18	105	1216562	51.717	ug/l	100
86) p-Isopropyltoluene	13.29	119	1094050	52.785	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	535190	49.491	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	537467	48.965	ug/l	99
89) n-Butylbenzene	13.62	91	1019699	52.096	ug/l	100
90) Hexachloroethane	13.88	117	158796	51.516	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	538786	49.872	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	70814	53.895	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	333279	47.198	ug/l	99
94) Hexachlorobutadiene	15.01	225	146498	48.942	ug/l	98
95) Naphthalene	15.13	128	930424	52.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	315855	51.212	ug/l	99

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

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