

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080219\
 Data File : VN057068.D
 Acq On : 2 Aug 2019 16:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 2:16:55 PM

Quant Time: Aug 03 05:08:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	467037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	662455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	596897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	256390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	230003	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
35) Dibromofluoromethane	7.58	113	212650	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.08	98	794169	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.40	95	272950	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	250869	53.134	ug/l	99
3) Chloromethane	2.05	50	254648	45.041	ug/l	100
4) Vinyl Chloride	2.18	62	244144	46.053	ug/l	99
5) Bromomethane	2.54	94	130682	39.652	ug/l	97
6) Chloroethane	2.68	64	133751	45.768	ug/l	99
7) Trichlorofluoromethane	3.00	101	352934	50.858	ug/l	99
8) Diethyl Ether	3.40	74	130844	50.380	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	214666	49.894	ug/l	97
10) Methyl Iodide	3.93	142	231070	40.193	ug/l	99
11) Tert butyl alcohol	4.77	59	161523	249.955	ug/l	100
12) 1,1-Dichloroethene	3.72	96	202505	49.329	ug/l	98
13) Acrolein	3.59	56	66179	199.131	ug/l	99
14) Allyl chloride	4.30	41	321549	48.152	ug/l	98
15) Acrylonitrile	4.97	53	472388	249.276	ug/l	99
16) Acetone	3.80	43	446797	257.970	ug/l	99
17) Carbon Disulfide	4.04	76	483257	44.301	ug/l	98
18) Methyl Acetate	4.31	43	262215	47.459	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	631145	51.561	ug/l	99
20) Methylene Chloride	4.53	84	230494	46.200	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	213783	49.034	ug/l	98
22) Diisopropyl ether	5.93	45	675393	49.088	ug/l	99
23) Vinyl Acetate	5.88	43	2381434	249.810	ug/l	99
24) 1,1-Dichloroethane	5.83	63	398955	49.146	ug/l	99
25) 2-Butanone	6.82	43	606236	246.845	ug/l	98
26) 2,2-Dichloropropane	6.81	77	319812	51.812	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	255106	49.471	ug/l	99
28) Bromochloromethane	7.18	49	189845	49.753	ug/l	97
29) Tetrahydrofuran	7.19	42	382705	238.837	ug/l	99
30) Chloroform	7.36	83	402084	48.444	ug/l	98
31) Cyclohexane	7.64	56	355628	45.271	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	342768	51.758	ug/l	98
36) 1,1-Dichloropropene	7.78	75	291972	50.088	ug/l	100
37) Ethyl Acetate	6.91	43	232821	49.869	ug/l	98
38) Carbon Tetrachloride	7.76	117	297537	53.962	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	370527	49.734	ug/l	99
40) Benzene	8.03	78	908218	50.586	ug/l	99
41) Methacrylonitrile	7.16	41	114121	52.876	ug/l	93
42) 1,2-Dichloroethane	8.11	62	290694	51.661	ug/l	99
43) Isopropyl Acetate	8.15	43	389948	50.535	ug/l	98
44) Trichloroethene	8.82	130	257213	52.001	ug/l	99
45) 1,2-Dichloropropane	9.11	63	244025	50.815	ug/l	98
46) Dibromomethane	9.20	93	155714	53.767	ug/l	99
47) Bromodichloromethane	9.39	83	307016	53.918	ug/l	99
48) Methyl methacrylate	9.19	41	192610	51.701	ug/l	97
49) 1,4-Dioxane	9.19	88	76590	997.601	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1171152	255.441	ug/l	99
52) Toluene	10.15	92	569507	52.796	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	322961	54.657	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	369783	53.824	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	226885	52.448	ug/l	99
56) Ethyl methacrylate	10.42	69	320312	49.065	ug/l	99
57) 1,3-Dichloropropane	10.70	76	373996	52.137	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	520361	200.733	ug/l	97
59) 2-Hexanone	10.74	43	856301	242.601	ug/l	99
60) Dibromochloromethane	10.90	129	249601	56.318	ug/l	98
61) 1,2-Dibromoethane	11.00	107	233733	55.366	ug/l	99
64) Tetrachloroethene	10.62	164	258168	50.191	ug/l	98
65) Chlorobenzene	11.43	112	626215	51.474	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	242328	52.922	ug/l	99
67) Ethyl Benzene	11.50	91	1094076	52.035	ug/l	100
68) m/p-Xylenes	11.62	106	821240	105.833	ug/l	100
69) o-Xylene	11.94	106	400581	52.766	ug/l	99
70) Styrene	11.96	104	664819	49.562	ug/l	99
71) Bromoform	12.12	173	177236	55.440	ug/l #	99
73) Isopropylbenzene	12.24	105	1079043	48.697	ug/l	100
74) N-amyl acetate	12.07	43	315572	49.048	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	293470	52.528	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	250508m	48.111	ug/l	
77) Bromobenzene	12.52	156	283018	48.938	ug/l	99
78) n-propylbenzene	12.59	91	1172356	49.552	ug/l	99
79) 2-Chlorotoluene	12.67	91	706760	48.513	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	913895	50.252	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	80817	49.869	ug/l	99
82) 4-Chlorotoluene	12.77	91	689561	50.579	ug/l	99
83) tert-Butylbenzene	12.99	119	816368	50.709	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	885909	50.627	ug/l	100
85) sec-Butylbenzene	13.17	105	1045957	50.369	ug/l	100
86) p-Isopropyltoluene	13.29	119	958191	51.973	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	458814	52.156	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	434645	51.324	ug/l	100
89) n-Butylbenzene	13.61	91	729449	51.337	ug/l	99
90) Hexachloroethane	13.87	117	162448	51.171	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	454208	52.462	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45984	52.177	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	203338	45.769	ug/l	99
94) Hexachlorobutadiene	15.00	225	177632	59.356	ug/l	97
95) Naphthalene	15.12	128	505175	46.633	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	226321	50.138	ug/l	100

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

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