

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056273.D
 Acq On : 13 Jun 2019 11:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 9:37:04 AM

Quant Time: Jun 14 01:19:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	336720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	503548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	453142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	200558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	184609	55.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.44%	
35) Dibromofluoromethane	7.59	113	167177	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
50) Toluene-d8	10.09	98	617180	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	213758	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	179404	48.509	ug/l	98
3) Chloromethane	2.06	50	194518	53.292	ug/l	99
4) Vinyl Chloride	2.18	62	194396	53.094	ug/l	98
5) Bromomethane	2.53	94	115973	50.143	ug/l	98
6) Chloroethane	2.68	64	110341	51.978	ug/l	99
7) Trichlorofluoromethane	3.00	101	246340	52.703	ug/l	100
8) Diethyl Ether	3.40	74	97046	50.488	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	160116	56.392	ug/l	98
10) Methyl Iodide	3.94	142	224080	49.662	ug/l	99
11) Tert butyl alcohol	4.81	59	149414	256.807	ug/l	100
12) 1,1-Dichloroethene	3.72	96	148427	52.508	ug/l	99
13) Acrolein	3.60	56	40995	244.309	ug/l	96
14) Allyl chloride	4.31	41	246760	55.284	ug/l	99
15) Acrylonitrile	4.99	53	422457	298.282	ug/l	100
16) Acetone	3.82	43	446441	279.197	ug/l	100
17) Carbon Disulfide	4.04	76	332958	49.195	ug/l	100
18) Methyl Acetate	4.32	43	195164	62.278	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	489506	54.328	ug/l	99
20) Methylene Chloride	4.54	84	175027	53.129	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	157161	51.890	ug/l	100
22) Diisopropyl ether	5.95	45	514306	55.741	ug/l	99
23) Vinyl Acetate	5.89	43	2080609	286.344	ug/l	100
24) 1,1-Dichloroethane	5.84	63	298129	56.015	ug/l	100
25) 2-Butanone	6.84	43	596684	295.343	ug/l	99
26) 2,2-Dichloropropane	6.82	77	215161	51.807	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	188547	52.960	ug/l	98
28) Bromochloromethane	7.19	49	145853	57.948	ug/l	95
29) Tetrahydrofuran	7.21	42	365480	292.657	ug/l	98
30) Chloroform	7.37	83	301371	56.288	ug/l	98
31) Cyclohexane	7.65	56	269096	50.723	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	245882	54.994	ug/l	98
36) 1,1-Dichloropropene	7.79	75	217447	50.221	ug/l	99
37) Ethyl Acetate	6.93	43	218617	56.747	ug/l	99
38) Carbon Tetrachloride	7.77	117	212407	53.210	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	275504	51.079	ug/l	100
40) Benzene	8.04	78	681272	51.805	ug/l	100
41) Methacrylonitrile	7.17	41	108328	61.116	ug/l	99
42) 1,2-Dichloroethane	8.12	62	222621	52.628	ug/l	100
43) Isopropyl Acetate	8.17	43	333674	53.449	ug/l #	92
44) Trichloroethene	8.83	130	189210	50.071	ug/l	99
45) 1,2-Dichloropropane	9.12	63	184800	54.862	ug/l	100
46) Dibromomethane	9.21	93	120019	54.487	ug/l	97
47) Bromodichloromethane	9.40	83	232029	58.121	ug/l	98
48) Methyl methacrylate	9.20	41	174064	56.992	ug/l	98
49) 1,4-Dioxane	9.20	88	70492	1069.100	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1102941	282.519	ug/l	99
52) Toluene	10.15	92	425713	52.023	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	233322	49.856	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	271751	56.630	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	175645	54.187	ug/l	97
56) Ethyl methacrylate	10.43	69	259538	54.883	ug/l	98
57) 1,3-Dichloropropane	10.71	76	290747	55.176	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	418148	224.623	ug/l	98
59) 2-Hexanone	10.75	43	798650	282.259	ug/l	99
60) Dibromochloromethane	10.90	129	186400	52.035	ug/l	99
61) 1,2-Dibromoethane	11.00	107	182273	55.005	ug/l	100
64) Tetrachloroethene	10.63	164	183612	46.811	ug/l	99
65) Chlorobenzene	11.43	112	468562	51.956	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	174425	56.014	ug/l	100
67) Ethyl Benzene	11.51	91	812197	51.793	ug/l	100
68) m/p-Xylenes	11.62	106	618178	103.192	ug/l	99
69) o-Xylene	11.95	106	302537	51.341	ug/l	98
70) Styrene	11.96	104	512809	54.772	ug/l	100
71) Bromoform	12.13	173	137247	52.361	ug/l #	100
73) Isopropylbenzene	12.25	105	805633	56.678	ug/l	100
74) N-amyl acetate	12.07	43	284702	53.253	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	247442	53.147	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	197209m	53.439	ug/l	
77) Bromobenzene	12.53	156	211813	49.329	ug/l	99
78) n-propylbenzene	12.59	91	886443	52.245	ug/l	100
79) 2-Chlorotoluene	12.67	91	536919	57.395	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	674672	50.032	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	60909	54.965	ug/l	89
82) 4-Chlorotoluene	12.77	91	526850	53.075	ug/l	100
83) tert-Butylbenzene	12.99	119	586472	56.403	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	658704	51.511	ug/l	99
85) sec-Butylbenzene	13.17	105	771021	51.313	ug/l	100
86) p-Isopropyltoluene	13.29	119	695630	51.729	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	349231	52.550	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	334131	52.266	ug/l	100
89) n-Butylbenzene	13.61	91	538560	54.062	ug/l	99
90) Hexachloroethane	13.87	117	118772	58.565	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	342825	51.095	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39253	58.945	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	159186	43.647	ug/l	97
94) Hexachlorobutadiene	15.01	225	127991	55.863	ug/l	99
95) Naphthalene	15.13	128	410666	43.364	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	172080	45.930	ug/l	99

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

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