

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056059.D
 Acq On : 6 Jun 2019 21:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 9:41:45 AM

Quant Time: Jun 07 06:41:14 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	309024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	466494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	414439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	184250	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	159704	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
35) Dibromofluoromethane	7.59	113	144369	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.09	98	549320	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	186275	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	167848	49.445	ug/l	100
3) Chloromethane	2.06	50	175443	52.374	ug/l	97
4) Vinyl Chloride	2.18	62	178020	52.979	ug/l	99
5) Bromomethane	2.53	94	110056	51.849	ug/l	98
6) Chloroethane	2.68	64	101404	52.049	ug/l	100
7) Trichlorofluoromethane	3.00	101	216919	50.568	ug/l	98
8) Diethyl Ether	3.40	74	89750	50.877	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	134061	51.448	ug/l	100
10) Methyl Iodide	3.94	142	197718	47.747	ug/l	99
11) Tert butyl alcohol	4.82	59	137378	257.282	ug/l	99
12) 1,1-Dichloroethene	3.72	96	133597	51.498	ug/l	96
13) Acrolein	3.60	56	45081	292.738	ug/l	100
14) Allyl chloride	4.31	41	210568	51.403	ug/l	98
15) Acrylonitrile	4.99	53	378523	291.215	ug/l	100
16) Acetone	3.82	43	318795	217.237	ug/l	98
17) Carbon Disulfide	4.04	76	293858	47.309	ug/l	99
18) Methyl Acetate	4.33	43	166485	57.846	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	441022	53.333	ug/l	99
20) Methylene Chloride	4.54	84	158544	52.439	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	144198	51.877	ug/l	96
22) Diisopropyl ether	5.95	45	449348	53.065	ug/l	99
23) Vinyl Acetate	5.90	43	1831800	274.696	ug/l	99
24) 1,1-Dichloroethane	5.84	63	257837	52.786	ug/l	99
25) 2-Butanone	6.84	43	503593	271.606	ug/l	100
26) 2,2-Dichloropropane	6.82	77	164939	43.274	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	169864	51.989	ug/l	97
28) Bromochloromethane	7.19	49	120994	52.380	ug/l	99
29) Tetrahydrofuran	7.22	42	328562	286.675	ug/l	99
30) Chloroform	7.37	83	260652	53.046	ug/l	100
31) Cyclohexane	7.65	56	236232	48.519	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	214778	52.343	ug/l	99
36) 1,1-Dichloropropene	7.79	75	193995	48.363	ug/l	99
37) Ethyl Acetate	6.93	43	198404	55.591	ug/l	99
38) Carbon Tetrachloride	7.77	117	178013	48.136	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	237280	47.486	ug/l	99
40) Benzene	8.04	78	614198	50.415	ug/l	99
41) Methacrylonitrile	7.17	41	93554	56.973	ug/l	96
42) 1,2-Dichloroethane	8.12	62	195091	49.783	ug/l	99
43) Isopropyl Acetate	8.17	43	305826	52.880	ug/l #	92
44) Trichloroethene	8.83	130	167347	47.803	ug/l	100
45) 1,2-Dichloropropane	9.12	63	159468	51.102	ug/l	99
46) Dibromomethane	9.21	93	104083	51.006	ug/l	98
47) Bromodichloromethane	9.40	83	187869	50.797	ug/l	100
48) Methyl methacrylate	9.20	41	151326	53.483	ug/l	96
49) 1,4-Dioxane	9.20	88	66027	1080.923	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	985476	272.481	ug/l	100
52) Toluene	10.16	92	384562	50.727	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	197774	45.821	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	227492	51.173	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	156317	52.055	ug/l	99
56) Ethyl methacrylate	10.43	69	234642	53.560	ug/l	99
57) 1,3-Dichloropropane	10.71	76	254709	52.176	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	407703	235.628	ug/l	100
59) 2-Hexanone	10.75	43	680326	259.539	ug/l	99
60) Dibromochloromethane	10.90	129	154240	46.739	ug/l	99
61) 1,2-Dibromoethane	11.00	107	161752	52.689	ug/l	98
64) Tetrachloroethene	10.63	164	175640	48.960	ug/l	97
65) Chlorobenzene	11.43	112	413628	50.148	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	149152	52.371	ug/l	100
67) Ethyl Benzene	11.51	91	717008	49.993	ug/l	98
68) m/p-Xylenes	11.62	106	549888	100.365	ug/l	99
69) o-Xylene	11.95	106	270116	50.120	ug/l	99
70) Styrene	11.96	104	450029	52.555	ug/l	99
71) Bromoform	12.13	173	109653	46.087	ug/l #	100
73) Isopropylbenzene	12.25	105	708629	54.158	ug/l	100
74) N-amyl acetate	12.07	43	251078	51.121	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	214013	50.035	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	172856m	50.986	ug/l	
77) Bromobenzene	12.53	156	193410	49.030	ug/l	96
78) n-propylbenzene	12.59	91	751486	48.211	ug/l	99
79) 2-Chlorotoluene	12.67	91	462495	53.663	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	583132	47.071	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49622	48.742	ug/l	90
82) 4-Chlorotoluene	12.77	91	445203	48.820	ug/l	100
83) tert-Butylbenzene	12.99	119	511178	53.365	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	570623	48.573	ug/l	99
85) sec-Butylbenzene	13.17	105	662727	48.009	ug/l	100
86) p-Isopropyltoluene	13.29	119	597917	48.398	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	304199	49.825	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	290787	49.512	ug/l	99
89) n-Butylbenzene	13.61	91	444910	48.614	ug/l	100
90) Hexachloroethane	13.87	117	91539	49.132	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	300996	48.831	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32426	53.003	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	144700	43.231	ug/l	100
94) Hexachlorobutadiene	15.01	225	105555	49.925	ug/l	98
95) Naphthalene	15.13	128	395876	45.312	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	156558	45.515	ug/l	99

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

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