

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050918.D
 Acq On : 28 Aug 2018 16:59
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 11:10:30 AM

Quant Time: Aug 29 04:19:45 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	610868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	870308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	800931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	402859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	363770	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	7.59	113	348866	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.09	98	1294210	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	432744	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	397751	48.65	ug/l	98
3) Chloromethane	2.06	50	452340	44.86	ug/l	100
4) Vinyl Chloride	2.18	62	448003	46.90	ug/l	100
5) Bromomethane	2.55	94	252148	46.37	ug/l	98
6) Chloroethane	2.70	64	254159	46.05	ug/l	100
7) Trichlorofluoromethane	3.01	101	581711	47.56	ug/l	98
8) Diethyl Ether	3.41	74	214989	51.69	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	365201	47.79	ug/l	100
10) Methyl Iodide	3.95	142	334650	49.92	ug/l	99
11) Tert butyl alcohol	4.80	59	150737	321.89	ug/l	100
12) 1,1-Dichloroethene	3.73	96	337018	49.12	ug/l	99
13) Acrolein	3.61	56	71282	259.91	ug/l	96
14) Allyl chloride	4.32	41	535540	50.09	ug/l	98
15) Acrylonitrile	4.99	53	689492	289.72	ug/l	100
16) Acetone	3.82	43	498840	287.51	ug/l	100
17) Carbon Disulfide	4.05	76	991611	43.11	ug/l	100
18) Methyl Acetate	4.33	43	417958	60.19	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	964959	55.91	ug/l	99
20) Methylene Chloride	4.55	84	387711	46.78	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	355664	47.93	ug/l	100
22) Diisopropyl ether	5.96	45	1130547	53.06	ug/l	98
23) Vinyl Acetate	5.90	43	3727561	271.67	ug/l	100
24) 1,1-Dichloroethane	5.85	63	662202	48.41	ug/l	100
25) 2-Butanone	6.84	43	791297	267.00	ug/l	100
26) 2,2-Dichloropropane	6.83	77	520341	47.34	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	407403	50.92	ug/l	98
28) Bromochloromethane	7.20	49	296614	51.03	ug/l	99
29) Tetrahydrofuran	7.22	42	518365	305.07	ug/l	98
30) Chloroform	7.37	83	661322	48.82	ug/l	100
31) Cyclohexane	7.66	56	583095	46.93	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	564323	48.51	ug/l	99
36) 1,1-Dichloropropene	7.79	75	505629	49.23	ug/l	99
37) Ethyl Acetate	6.93	43	343791	58.28	ug/l	100
38) Carbon Tetrachloride	7.77	117	502529	48.41	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	558839	50.30	ug/l	98
40) Benzene	8.04	78	1543521	49.84	ug/l	100
41) Methacrylonitrile	7.17	41	197468	61.85	ug/l	94
42) 1,2-Dichloroethane	8.13	62	469509	50.71	ug/l	100
43) Isopropyl Acetate	8.17	43	585518	57.72	ug/l #	89
44) Trichloroethene	8.84	130	404376	49.51	ug/l	99
45) 1,2-Dichloropropane	9.12	63	406382	49.93	ug/l	99
46) Dibromomethane	9.21	93	246723	51.59	ug/l	99
47) Bromodichloromethane	9.41	83	510713	50.99	ug/l	98
48) Methyl methacrylate	9.20	41	303580	58.73	ug/l	99
49) 1,4-Dioxane	9.20	88	88302	1253.02	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1737242	287.00	ug/l	99
52) Toluene	10.16	92	951492	51.86	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	519839	52.14	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	594979	52.11	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	355684	52.24	ug/l	99
56) Ethyl methacrylate	10.43	69	461192	51.97	ug/l	99
57) 1,3-Dichloropropane	10.71	76	600970	53.47	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	976920	252.62	ug/l	99
59) 2-Hexanone	10.75	43	1170199	290.40	ug/l	99
60) Dibromochloromethane	10.90	129	401486	52.66	ug/l	99
61) 1,2-Dibromoethane	11.01	107	352037	53.47	ug/l	98
64) Tetrachloroethene	10.63	164	363998	47.85	ug/l	99
65) Chlorobenzene	11.44	112	1036937	49.53	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	389625	50.87	ug/l	100
67) Ethyl Benzene	11.51	91	1770812	52.03	ug/l	100
68) m/p-Xylenes	11.62	106	1359537	105.24	ug/l	99
69) o-Xylene	11.95	106	656479	52.86	ug/l	100
70) Styrene	11.96	104	1048863	47.97	ug/l	99
71) Bromoform	12.13	173	292848	55.60	ug/l #	99
73) Isopropylbenzene	12.25	105	1738254	52.11	ug/l	100
74) N-amyl acetate	12.07	43	485288	57.90	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	465610	58.83	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	374033m	53.01	ug/l	
77) Bromobenzene	12.53	156	452819	49.95	ug/l	99
78) n-propylbenzene	12.59	91	1968232	52.82	ug/l	100
79) 2-Chlorotoluene	12.68	91	1175501	50.64	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1431151	53.17	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	120850	57.90	ug/l	99
82) 4-Chlorotoluene	12.77	91	1182799	51.62	ug/l	100
83) tert-Butylbenzene	12.99	119	1251490	53.69	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1446339	53.42	ug/l	100
85) sec-Butylbenzene	13.17	105	1619768	53.03	ug/l	100
86) p-Isopropyltoluene	13.29	119	1433361	55.07	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	778890	50.63	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	751455	49.63	ug/l	99
89) n-Butylbenzene	13.62	91	1129311	54.25	ug/l	100
90) Hexachloroethane	13.88	117	256791	51.76	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	761113	51.28	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68580	57.25	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	373156	48.46	ug/l	98
94) Hexachlorobutadiene	15.01	225	240683	54.81	ug/l	99
95) Naphthalene	15.14	128	785633	48.94	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	367665	50.74	ug/l	99

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

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