

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050977.D
 Acq On : 31 Aug 2018 10:20
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:27:44 PM

Quant Time: Aug 31 14:20:14 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	605464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	825115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	758549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	394176	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	341815	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
35) Dibromofluoromethane	7.59	113	335266	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.09	98	1268018	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.40	95	423148	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	382688	47.23	ug/l	100
3) Chloromethane	2.06	50	421270	42.15	ug/l	99
4) Vinyl Chloride	2.18	62	422604	44.64	ug/l	99
5) Bromomethane	2.56	94	253021	46.96	ug/l	98
6) Chloroethane	2.70	64	248973	45.52	ug/l	98
7) Trichlorofluoromethane	3.01	101	569295	46.96	ug/l	98
8) Diethyl Ether	3.41	74	188449	45.72	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	363204	47.96	ug/l	99
10) Methyl Iodide	3.95	142	296654	45.31	ug/l	99
11) Tert butyl alcohol	4.78	59	96473	207.85	ug/l	100
12) 1,1-Dichloroethene	3.74	96	311730	45.84	ug/l	98
13) Acrolein	3.61	56	39927	154.67	ug/l	100
14) Allyl chloride	4.32	41	489437	46.19	ug/l	99
15) Acrylonitrile	4.99	53	536649	227.51	ug/l	100
16) Acetone	3.81	43	481379	279.73	ug/l	98
17) Carbon Disulfide	4.05	76	911944	40.00	ug/l	100
18) Methyl Acetate	4.33	43	341898	49.67	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	824125	48.18	ug/l	99
20) Methylene Chloride	4.55	84	364956	44.43	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	337626	45.90	ug/l	99
22) Diisopropyl ether	5.95	45	1044033	49.44	ug/l	98
23) Vinyl Acetate	5.90	43	3100744	228.00	ug/l	99
24) 1,1-Dichloroethane	5.85	63	626914	46.24	ug/l	100
25) 2-Butanone	6.84	43	631518	214.99	ug/l	99
26) 2,2-Dichloropropane	6.82	77	510494	46.86	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	378913	47.79	ug/l	99
28) Bromochloromethane	7.19	49	286030	49.65	ug/l	98
29) Tetrahydrofuran	7.21	42	383463	227.69	ug/l	99
30) Chloroform	7.37	83	634244	47.24	ug/l	99
31) Cyclohexane	7.65	56	554554	45.05	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	540564	46.88	ug/l	99
36) 1,1-Dichloropropene	7.79	75	489293	50.25	ug/l	100
37) Ethyl Acetate	6.93	43	250632	44.81	ug/l	100
38) Carbon Tetrachloride	7.77	117	484100	49.19	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	541392	51.40	ug/l	99
40) Benzene	8.04	78	1468537	50.02	ug/l	100
41) Methacrylonitrile	7.17	41	145671	48.13	ug/l	98
42) 1,2-Dichloroethane	8.12	62	425874	48.51	ug/l	99
43) Isopropyl Acetate	8.17	43	463806	48.23	ug/l #	88
44) Trichloroethene	8.83	130	383896	49.58	ug/l	98
45) 1,2-Dichloropropane	9.12	63	384628	49.84	ug/l	98
46) Dibromomethane	9.21	93	222331	49.04	ug/l	99
47) Bromodichloromethane	9.40	83	482233	50.78	ug/l	99
48) Methyl methacrylate	9.20	41	233418	47.63	ug/l	98
49) 1,4-Dioxane	9.20	88	63587	951.73	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1308489	228.01	ug/l	100
52) Toluene	10.16	92	908791	52.25	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	471468	49.88	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	558469	51.59	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	322162	49.90	ug/l	98
56) Ethyl methacrylate	10.43	69	373359	44.72	ug/l	99
57) 1,3-Dichloropropane	10.71	76	534863	50.20	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	780696	214.85	ug/l	100
59) 2-Hexanone	10.75	43	898742	235.25	ug/l	99
60) Dibromochloromethane	10.90	129	369789	51.16	ug/l	99
61) 1,2-Dibromoethane	11.00	107	310384	49.72	ug/l	100
64) Tetrachloroethene	10.63	164	352341	48.90	ug/l	99
65) Chlorobenzene	11.43	112	995354	50.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	373840	51.53	ug/l	100
67) Ethyl Benzene	11.51	91	1687806	52.36	ug/l	100
68) m/p-Xylenes	11.62	106	1330337	108.73	ug/l	100
69) o-Xylene	11.95	106	631242	53.67	ug/l	100
70) Styrene	11.96	104	1018963	49.18	ug/l	100
71) Bromoform	12.13	173	256585	51.43	ug/l #	100
73) Isopropylbenzene	12.25	105	1686716	51.68	ug/l	99
74) N-amyl acetate	12.07	43	372753	45.45	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	387442	49.78	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	333546m	48.31	ug/l	
77) Bromobenzene	12.53	156	429961	48.47	ug/l	97
78) n-propylbenzene	12.59	91	1941692	53.25	ug/l	99
79) 2-Chlorotoluene	12.67	91	1137044	50.07	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1403914	53.31	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	96483	47.24	ug/l	99
82) 4-Chlorotoluene	12.77	91	1151753	51.37	ug/l	100
83) tert-Butylbenzene	12.99	119	1202418	52.72	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1421313	53.65	ug/l	99
85) sec-Butylbenzene	13.17	105	1608559	53.82	ug/l	100
86) p-Isopropyltoluene	13.29	119	1413957	55.52	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	756801	50.28	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	724243	48.89	ug/l	100
89) n-Butylbenzene	13.62	91	1122272	55.10	ug/l	99
90) Hexachloroethane	13.87	117	253803	52.28	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	721164	49.66	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50679	43.23	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	322118	43.24	ug/l	100
94) Hexachlorobutadiene	15.01	225	240135	55.91	ug/l	100
95) Naphthalene	15.13	128	578976	38.19	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	311450	44.37	ug/l	100

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

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