

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101718\
 Data File : VN051897.D
 Acq On : 17 Oct 2018 8:08
 Operator : MD\SY
 Sample : VSTDCC50
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCC50

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 3:28:59 PM

Quant Time: Oct 17 11:58:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 17 11:55:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1010994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1446080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1366839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	723046	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	532386	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
35) Dibromofluoromethane	7.59	113	550461	61.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.44%	
50) Toluene-d8	10.09	98	2047788	61.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.24%	
62) 4-Bromofluorobenzene	12.40	95	692662	59.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.76%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.86	85	274985	49.00	ug/l	100
3) Chloromethane	2.07	50	282691	41.59	ug/l	99
4) Vinyl Chloride	2.19	62	420098	41.21	ug/l	98
5) Bromomethane	2.57	94	354583	38.55	ug/l	99
6) Chloroethane	2.71	64	316228	42.24	ug/l	99
7) Trichlorofluoromethane	3.02	101	665298	43.94	ug/l	100
8) Diethyl Ether	3.42	74	200014	47.90	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.77	101	411635	50.99	ug/l	98
10) Methyl Iodide	3.96	142	467423	43.94	ug/l	96
11) Tert butyl alcohol	4.79	59	123063	173.17	ug/l	100
12) 1,1-Dichloroethene	3.74	96	362290	49.93	ug/l	90
13) Acrolein	3.61	56	86386	128.34	ug/l	95
14) Allyl chloride	4.33	41	423595	46.49	ug/l #	75
15) Acrylonitrile	5.00	53	492417	212.86	ug/l	98
16) Acetone	3.82	43	453227	217.48	ug/l	99
17) Carbon Disulfide	4.06	76	910220	46.34	ug/l	100
18) Methyl Acetate	4.33	43	239560	34.81	ug/l #	85
19) Methyl tert-butyl Ether	5.05	73	1038016	45.44	ug/l	92
20) Methylene Chloride	4.56	84	404281	46.88	ug/l	88
21) trans-1,2-Dichloroethene	5.05	96	413905	48.58	ug/l	89
22) Diisopropyl ether	5.96	45	948108	47.09	ug/l #	87
23) Vinyl Acetate	5.90	43	3290564	223.40	ug/l #	91
24) 1,1-Dichloroethane	5.86	63	672448	48.62	ug/l	97
25) 2-Butanone	6.84	43	608831	206.74	ug/l #	84
26) 2,2-Dichloropropane	6.83	77	677930	48.41	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	491096	50.00	ug/l	88
28) Bromochloromethane	7.20	49	272056	46.88	ug/l #	62
29) Tetrahydrofuran	7.21	42	345672	196.97	ug/l #	77
30) Chloroform	7.37	83	811778	49.09	ug/l	98
31) Cyclohexane	7.65	56	572201	37.49	ug/l #	82
32) 1,1,1-Trichloroethane	7.57	97	764805	49.26	ug/l	96
36) 1,1-Dichloropropene	7.80	75	578171	49.39	ug/l	95
37) Ethyl Acetate	6.93	43	259798	43.22	ug/l	97
38) Carbon Tetrachloride	7.78	117	695324	51.24	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	746944	51.94	ug/l #	87
40) Benzene	8.04	78	1716926	50.84	ug/l	100
41) Methacrylonitrile	7.18	41	126734	43.74	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	543824	49.12	ug/l	100
43) Isopropyl Acetate	8.17	43	515419	37.31	ug/l #	95
44) Trichloroethene	8.84	130	535994	52.13	ug/l	97
45) 1,2-Dichloropropane	9.12	63	396973	49.99	ug/l	99
46) Dibromomethane	9.21	93	298097	48.92	ug/l	99
47) Bromodichloromethane	9.40	83	624695	51.31	ug/l	98
48) Methyl methacrylate	9.20	41	231763	43.28	ug/l #	75
49) 1,4-Dioxane	9.20	88	83406	908.35	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1325934	212.51	ug/l	96
52) Toluene	10.16	92	1170095	51.60	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	613559	50.30	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	672071	50.18	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	417944	48.99	ug/l	97
56) Ethyl methacrylate	10.43	69	472235	47.01	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	637344	48.09	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1004773	229.69	ug/l #	88
59) 2-Hexanone	10.75	43	933084	212.92	ug/l	97
60) Dibromochloromethane	10.90	129	523463	51.69	ug/l	100
61) 1,2-Dibromoethane	11.00	107	436276	49.66	ug/l	98
64) Tetrachloroethene	10.63	164	543603	51.85	ug/l	99
65) Chlorobenzene	11.43	112	1359475	49.18	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	524717	49.80	ug/l	99
67) Ethyl Benzene	11.51	91	2271747	49.64	ug/l	96
68) m/p-Xylenes	11.62	106	1852184	100.20	ug/l	95
69) o-Xylene	11.95	106	906078	50.47	ug/l	94
70) Styrene	11.96	104	1426341	51.50	ug/l	99
71) Bromoform	12.13	173	342700	46.84	ug/l #	100
73) Isopropylbenzene	12.25	105	2444815	43.88	ug/l	98
74) N-amyl acetate	12.07	43	424395	38.41	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	468525	38.28	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	367373m	35.69	ug/l	
77) Bromobenzene	12.53	156	617890	44.48	ug/l	85
78) n-propylbenzene	12.59	91	2668589	45.74	ug/l	95
79) 2-Chlorotoluene	12.67	91	1534197	43.65	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	2047602	45.10	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	127404	40.58	ug/l	95
82) 4-Chlorotoluene	12.77	91	1553699	46.00	ug/l	95
83) tert-Butylbenzene	12.99	119	1875252	44.54	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	2076235	45.93	ug/l	98
85) sec-Butylbenzene	13.17	105	2486942	45.59	ug/l	98
86) p-Isopropyltoluene	13.29	119	2255466	47.02	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1123581	47.29	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1083358	47.04	ug/l	99
89) n-Butylbenzene	13.61	91	1751876	49.12	ug/l	98
90) Hexachloroethane	13.87	117	383879	44.09	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1083291	47.19	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	70890	39.35	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	502930	50.59	ug/l	99
94) Hexachlorobutadiene	15.01	225	337036	45.41	ug/l	99
95) Naphthalene	15.13	128	942457	43.07	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	475018	47.03	ug/l	100

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

