

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051964.D
 Acq On : 23 Oct 2018 14:54
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:09:31 AM

Quant Time: Oct 24 04:43:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 04:09:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1266811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1830336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1752496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1036818	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1593509	141.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.48%	
35) Dibromofluoromethane	7.59	113	1765422	151.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.32%	
50) Toluene-d8	10.09	98	6531333	154.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.50%	
62) 4-Bromofluorobenzene	12.40	95	2298115	158.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1139697	141.770	ug/l	99
3) Chloromethane	2.06	50	1001001	138.291	ug/l	97
4) Vinyl Chloride	2.19	62	1324857	136.551	ug/l	100
5) Bromomethane	2.55	94	1335686	143.785	ug/l	97
6) Chloroethane	2.70	64	968272	134.424	ug/l	99
7) Trichlorofluoromethane	3.02	101	2552066	147.622	ug/l	99
8) Diethyl Ether	3.41	74	707147	137.581	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1418813	137.002	ug/l	99
10) Methyl Iodide	3.96	142	2435482	158.952	ug/l	99
11) Tert butyl alcohol	4.78	59	403892	687.771	ug/l	100
12) 1,1-Dichloroethene	3.74	96	1329690	143.371	ug/l	98
13) Acrolein	3.61	56	284262	973.728	ug/l	100
14) Allyl chloride	4.33	41	1407068	159.215	ug/l	98
15) Acrylonitrile	4.99	53	1754173	731.486	ug/l	99
16) Acetone	3.82	43	1199997	645.553	ug/l	98
17) Carbon Disulfide	4.06	76	3400091	154.227	ug/l	100
18) Methyl Acetate	4.32	43	788201	125.670	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	3540989	142.208	ug/l	97
20) Methylene Chloride	4.55	84	1474438	135.212	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	1544029	147.001	ug/l	98
22) Diisopropyl ether	5.95	45	3229389	147.092	ug/l	97
23) Vinyl Acetate	5.90	43	11295654	739.533	ug/l	98
24) 1,1-Dichloroethane	5.85	63	2305378	140.635	ug/l	99
25) 2-Butanone	6.84	43	1860879	702.219	ug/l	97
26) 2,2-Dichloropropane	6.83	77	2188110	145.894	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	1816409	148.690	ug/l	97
28) Bromochloromethane	7.20	49	975404	147.637	ug/l	90
29) Tetrahydrofuran	7.21	42	1170946	652.174	ug/l	98
30) Chloroform	7.37	83	2848825	142.326	ug/l	99
31) Cyclohexane	7.66	56	1878000	106.351	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	2719283	148.567	ug/l	99
36) 1,1-Dichloropropene	7.80	75	2026945	144.366	ug/l	98
37) Ethyl Acetate	6.93	43	880823	143.038	ug/l	99
38) Carbon Tetrachloride	7.78	117	2532023	157.088	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2560769	149.328	ug/l	98
40) Benzene	8.04	78	6082459	145.907	ug/l	99
41) Methacrylonitrile	7.18	41	421907	133.726	ug/l #	93
42) 1,2-Dichloroethane	8.13	62	1851174	138.497	ug/l	99
43) Isopropyl Acetate	8.17	43	1694721	144.128	ug/l	98
44) Trichloroethene	8.84	130	2027659	151.536	ug/l	95
45) 1,2-Dichloropropane	9.12	63	1371969	145.486	ug/l	99
46) Dibromomethane	9.21	93	1094333	143.957	ug/l	94
47) Bromodichloromethane	9.40	83	2206295	153.677	ug/l	98
48) Methyl methacrylate	9.20	41	807326	142.050	ug/l	99
49) 1,4-Dioxane	9.20	88	309527	2970.115	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	4528766	700.195	ug/l	99
52) Toluene	10.16	92	4335255	153.359	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	2214869	168.381	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2441053	162.674	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	1544343	147.860	ug/l	99
56) Ethyl methacrylate	10.43	69	1723049	153.469	ug/l	98
57) 1,3-Dichloropropane	10.71	76	2282767	143.966	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	4483040	763.126	ug/l	98
59) 2-Hexanone	10.75	43	3103932	714.250	ug/l	98
60) Dibromochloromethane	10.90	129	2039787	174.269	ug/l	99
61) 1,2-Dibromoethane	11.01	107	1699567	154.328	ug/l	100
64) Tetrachloroethene	10.63	164	2078448	154.521	ug/l	97
65) Chlorobenzene	11.43	112	5281564	149.266	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	2057700	161.794	ug/l	100
67) Ethyl Benzene	11.51	91	8550464	150.335	ug/l	99
68) m/p-Xylenes	11.62	106	7112450	312.987	ug/l	99
69) o-Xylene	11.95	106	3460400	156.575	ug/l	97
70) Styrene	11.96	104	5766498	163.248	ug/l	98
71) Bromoform	12.13	173	1494089	192.590	ug/l #	100
73) Isopropylbenzene	12.25	105	9283295	141.180	ug/l	99
74) N-amyl acetate	12.07	43	1731675	133.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1774631	130.614	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1390013m	131.644	ug/l	
77) Bromobenzene	12.53	156	2733367	150.623	ug/l	93
78) n-propylbenzene	12.59	91	10126601	142.763	ug/l	99
79) 2-Chlorotoluene	12.67	91	5748378	139.161	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	7735719	146.634	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	505663	175.154	ug/l	93
82) 4-Chlorotoluene	12.77	91	6020515	140.772	ug/l	98
83) tert-Butylbenzene	12.99	119	7088872	142.073	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	7845765	144.178	ug/l	99
85) sec-Butylbenzene	13.17	105	9376961	143.890	ug/l	99
86) p-Isopropyltoluene	13.29	119	8853803	150.906	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	4990126	149.093	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	4937107	149.623	ug/l	99
89) n-Butylbenzene	13.62	91	6976644	149.336	ug/l	99
90) Hexachloroethane	13.87	117	1415213	161.910	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	4759329	146.989	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	284674	136.461	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	3040884	158.990	ug/l	100
94) Hexachlorobutadiene	15.01	225	1457363	148.291	ug/l	98
95) Naphthalene	15.13	128	6394159	153.937	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	2830938	154.849	ug/l	99

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

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