

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050013.D
 Acq On : 23 Jul 2018 18:47
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 1:50:52 PM

Quant Time: Jul 24 06:02:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 05:50:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	662133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	958527	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	886341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	480275	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	447914	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	7.59	113	396037	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.09	98	1483148	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.40	95	500363	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	507908	65.42	ug/l	100
3) Chloromethane	2.06	50	501928	53.62	ug/l	100
4) Vinyl Chloride	2.18	62	527974	53.19	ug/l	100
5) Bromomethane	2.55	94	299678	47.31	ug/l	100
6) Chloroethane	2.69	64	306599	48.07	ug/l	100
7) Trichlorofluoromethane	3.01	101	665593	49.41	ug/l	100
8) Diethyl Ether	3.41	74	229767	49.29	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	394034	47.65	ug/l	100
10) Methyl Iodide	3.95	142	557381	50.61	ug/l	100
11) Tert butyl alcohol	4.81	59	166494	254.64	ug/l	100
12) 1,1-Dichloroethene	3.73	96	365408	50.13	ug/l	100
13) Acrolein	3.61	56	144973	327.45	ug/l	100
14) Allyl chloride	4.32	41	577357	50.52	ug/l	100
15) Acrylonitrile	4.99	53	731835	255.84	ug/l	100
16) Acetone	3.82	43	548430	231.18	ug/l	100
17) Carbon Disulfide	4.05	76	1097577	50.08	ug/l	100
18) Methyl Acetate	4.33	43	422334	46.52	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1040870	52.38	ug/l	100
20) Methylene Chloride	4.55	84	416174	46.12	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	388815	50.55	ug/l	100
22) Diisopropyl ether	5.96	45	1216872	52.52	ug/l	100
23) Vinyl Acetate	5.90	43	4306399	265.22	ug/l	100
24) 1,1-Dichloroethane	5.85	63	730396	48.86	ug/l	100
25) 2-Butanone	6.84	43	876988	258.72	ug/l	100
26) 2,2-Dichloropropane	6.83	77	549719	47.44	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	432110	51.35	ug/l	100
28) Bromochloromethane	7.20	49	340590	50.82	ug/l	100
29) Tetrahydrofuran	7.22	42	580096	272.02	ug/l	100
30) Chloroform	7.37	83	739104	48.33	ug/l	100
31) Cyclohexane	7.66	56	623571	44.54	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	637324	48.13	ug/l	100
36) 1,1-Dichloropropene	7.80	75	554156	51.71	ug/l	100
37) Ethyl Acetate	6.94	43	381323	52.00	ug/l	100
38) Carbon Tetrachloride	7.78	117	566162	49.29	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	580601	52.36	ug/l	100
40) Benzene	8.04	78	1673692	51.15	ug/l	100
41) Methacrylonitrile	7.17	41	159996	44.47	ug/l	100
42) 1,2-Dichloroethane	8.13	62	540068	49.97	ug/l	100
43) Isopropyl Acetate	8.17	43	700499	54.27	ug/l	100
44) Trichloroethene	8.84	130	430307	50.20	ug/l	100
45) 1,2-Dichloropropane	9.12	63	435790	49.56	ug/l	100
46) Dibromomethane	9.21	93	273752	50.17	ug/l	100
47) Bromodichloromethane	9.41	83	564727	50.10	ug/l	100
48) Methyl methacrylate	9.20	41	353825	54.63	ug/l	100
49) 1,4-Dioxane	9.20	88	95113	1053.22	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1994564	277.72	ug/l	100
52) Toluene	10.16	92	1036770	53.27	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	571166	51.38	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	642882	52.23	ug/l	100
55) 1,1,2-Trichloroethane	10.57	97	386094	48.18	ug/l	100
56) Ethyl methacrylate	10.43	69	507632	54.57	ug/l	100
57) 1,3-Dichloropropane	10.71	76	649562	51.37	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1206318	284.23	ug/l	100
59) 2-Hexanone	10.75	43	1362844	282.93	ug/l	100
60) Dibromochloromethane	10.90	129	442441	50.37	ug/l	100
61) 1,2-Dibromoethane	11.01	107	391229	52.13	ug/l	100
64) Tetrachloroethene	10.63	164	420122	51.81	ug/l	100
65) Chlorobenzene	11.44	112	1110080	49.63	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	419031	48.40	ug/l	100
67) Ethyl Benzene	11.51	91	1923230	53.02	ug/l	100
68) m/p-Xylenes	11.62	106	1488380	108.53	ug/l	100
69) o-Xylene	11.95	106	707608	53.75	ug/l	100
70) Styrene	11.97	104	1158318	54.56	ug/l	100
71) Bromoform	12.13	173	315675	51.17	ug/l	100
73) Isopropylbenzene	12.25	105	1893164	51.58	ug/l	100
74) N-amyl acetate	12.07	43	588661	52.81	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	510008	46.48	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	422297m	47.00	ug/l	
77) Bromobenzene	12.53	156	492919	48.65	ug/l	100
78) n-propylbenzene	12.59	91	2191177	52.54	ug/l	100
79) 2-Chlorotoluene	12.68	91	1299716	50.77	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1562503	53.18	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	144926	50.21	ug/l	100
82) 4-Chlorotoluene	12.78	91	1324705	51.61	ug/l	100
83) tert-Butylbenzene	13.00	119	1331854	51.75	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1602529	53.86	ug/l	100
85) sec-Butylbenzene	13.17	105	1799605	52.83	ug/l	100
86) p-Isopropyltoluene	13.29	119	1567922	53.99	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	870571	49.39	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	845540	47.90	ug/l	100
89) n-Butylbenzene	13.62	91	1282250	53.55	ug/l	100
90) Hexachloroethane	13.88	117	291568	44.78	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	849624	49.06	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82617	48.38	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	441978	55.56	ug/l	100
94) Hexachlorobutadiene	15.01	225	251432	44.37	ug/l	100
95) Naphthalene	15.14	128	1006104	57.54	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	434532	52.51	ug/l	100

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

