

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050176.D
 Acq On : 30 Jul 2018 10:14
 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
 7/31/2018 3:20:10 PM

Quant Time: Jul 31 01:18:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	699612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1003953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	920906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	476669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	456651	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	7.59	113	418888	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.09	98	1575104	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.40	95	530388	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	502800	50.02	ug/l	100
3) Chloromethane	2.06	50	459285	42.03	ug/l	97
4) Vinyl Chloride	2.18	62	505662	43.94	ug/l	98
5) Bromomethane	2.56	94	152163	23.28	ug/l	99
6) Chloroethane	2.70	64	301604	43.64	ug/l	99
7) Trichlorofluoromethane	3.01	101	681659	45.73	ug/l	99
8) Diethyl Ether	3.41	74	225963	45.47	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	425353	47.45	ug/l	99
10) Methyl Iodide	3.95	142	237713	20.66	ug/l	99
11) Tert butyl alcohol	4.79	59	129260	179.97	ug/l	100
12) 1,1-Dichloroethene	3.73	96	370420	45.94	ug/l	98
13) Acrolein	3.61	56	48522	84.09	ug/l	97
14) Allyl chloride	4.32	41	605309	48.41	ug/l	99
15) Acrylonitrile	4.99	53	648788	207.05	ug/l	100
16) Acetone	3.82	43	579544	252.10	ug/l	100
17) Carbon Disulfide	4.05	76	1097230	44.42	ug/l	99
18) Methyl Acetate	4.32	43	421448	47.03	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1006084	46.82	ug/l	99
20) Methylene Chloride	4.55	84	427190	49.34	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	401970	47.05	ug/l	99
22) Diisopropyl ether	5.95	45	1274983	51.43	ug/l	100
23) Vinyl Acetate	5.90	43	4065177	232.03	ug/l	99
24) 1,1-Dichloroethane	5.85	63	762727	47.05	ug/l	100
25) 2-Butanone	6.83	43	810197	217.61	ug/l	100
26) 2,2-Dichloropropane	6.82	77	639531	51.86	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	454869	49.46	ug/l	99
28) Bromochloromethane	7.19	49	360521	48.76	ug/l	99
29) Tetrahydrofuran	7.21	42	483155	200.82	ug/l	99
30) Chloroform	7.37	83	767572	46.40	ug/l	99
31) Cyclohexane	7.65	56	660845	49.15	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	660304	46.66	ug/l	100
36) 1,1-Dichloropropene	7.79	75	593188	52.44	ug/l	98
37) Ethyl Acetate	6.93	43	325003	41.21	ug/l	100
38) Carbon Tetrachloride	7.77	117	592355	49.36	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	646417	55.55	ug/l	99
40) Benzene	8.04	78	1743238	50.65	ug/l	100
41) Methacrylonitrile	7.17	41	188604	46.14	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	545859	47.54	ug/l	99
43) Isopropyl Acetate	8.16	43	627472	42.04	ug/l	99
44) Trichloroethene	8.83	130	462006	49.95	ug/l	100
45) 1,2-Dichloropropane	9.12	63	461358	50.61	ug/l	99
46) Dibromomethane	9.21	93	272599	48.16	ug/l	100
47) Bromodichloromethane	9.40	83	593557	49.68	ug/l	100
48) Methyl methacrylate	9.20	41	318395	46.88	ug/l	99
49) 1,4-Dioxane	9.20	88	79352	858.53	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1710927	220.70	ug/l	100
52) Toluene	10.16	92	1080779	53.20	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	603195	53.50	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	683614	53.06	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	385550	47.84	ug/l	99
56) Ethyl methacrylate	10.43	69	474553	43.74	ug/l	100
57) 1,3-Dichloropropane	10.71	76	646344	49.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1130738	222.67	ug/l	100
59) 2-Hexanone	10.75	43	1194620	210.54	ug/l	100
60) Dibromochloromethane	10.90	129	446831	50.08	ug/l	98
61) 1,2-Dibromoethane	11.00	107	375502	46.96	ug/l	98
64) Tetrachloroethene	10.63	164	431539	48.74	ug/l	99
65) Chlorobenzene	11.43	112	1177025	50.60	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	445483	49.84	ug/l	99
67) Ethyl Benzene	11.51	91	2056132	55.03	ug/l	99
68) m/p-Xylenes	11.62	106	1570322	111.10	ug/l	100
69) o-Xylene	11.95	106	749452	55.62	ug/l	99
70) Styrene	11.96	104	1211570	50.55	ug/l	100
71) Bromoform	12.13	173	305065	46.92	ug/l #	99
73) Isopropylbenzene	12.25	105	2022823	54.72	ug/l	100
74) N-amyl acetate	12.07	43	510799	45.21	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	472730	47.80	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	384470m	43.40	ug/l	
77) Bromobenzene	12.53	156	507723	49.55	ug/l	98
78) n-propylbenzene	12.59	91	2342467	56.69	ug/l	100
79) 2-Chlorotoluene	12.68	91	1365963	53.33	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1666953	57.33	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	131681	47.15	ug/l	99
82) 4-Chlorotoluene	12.77	91	1397808	55.11	ug/l	99
83) tert-Butylbenzene	12.99	119	1407784	55.48	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1691233	57.70	ug/l	100
85) sec-Butylbenzene	13.17	105	1934525	57.05	ug/l	100
86) p-Isopropyltoluene	13.29	119	1689571	59.14	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	903416	52.01	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	874077	51.63	ug/l	100
89) n-Butylbenzene	13.62	91	1416776	60.30	ug/l	100
90) Hexachloroethane	13.88	117	306518	48.32	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	866709	49.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68854	41.67	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	442350	48.16	ug/l	98
94) Hexachlorobutadiene	15.01	225	282888	53.22	ug/l	98
95) Naphthalene	15.14	128	865083	40.65	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	423901	47.39	ug/l	100

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

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