

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110118\
 Data File : VN052102.D
 Acq On : 1 Nov 2018 14:41
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:31 AM

Quant Time: Nov 02 07:10:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	340223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	615848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	241267	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	222445	40.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.48%	
35) Dibromofluoromethane	7.59	113	191949	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.09	98	730497	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.40	95	258871	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	206309	49.888	ug/l	100
3) Chloromethane	2.06	50	235330	45.151	ug/l	97
4) Vinyl Chloride	2.19	62	238131	42.449	ug/l	95
5) Bromomethane	2.57	94	160684	38.184	ug/l	96
6) Chloroethane	2.71	64	147899	40.834	ug/l	97
7) Trichlorofluoromethane	3.02	101	316092	49.339	ug/l	99
8) Diethyl Ether	3.42	74	112511	47.079	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	186967	49.469	ug/l	95
10) Methyl Iodide	3.96	142	252848	51.049	ug/l	100
11) Tert butyl alcohol	4.78	59	65670	240.202	ug/l #	94
12) 1,1-Dichloroethene	3.74	96	172626	48.366	ug/l	91
13) Acrolein	3.61	56	52512	196.642	ug/l	97
14) Allyl chloride	4.33	41	316457	44.304	ug/l	98
15) Acrylonitrile	4.99	53	350734	224.405	ug/l	99
16) Acetone	3.82	43	271909	233.325	ug/l	100
17) Carbon Disulfide	4.06	76	501141	44.559	ug/l	98
18) Methyl Acetate	4.33	43	160052	43.142	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	529710	45.184	ug/l	97
20) Methylene Chloride	4.56	84	211333	47.592	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	196435	48.267	ug/l	92
22) Diisopropyl ether	5.95	45	671100	43.468	ug/l	99
23) Vinyl Acetate	5.90	43	2405319	224.857	ug/l	96
24) 1,1-Dichloroethane	5.85	63	374935	43.431	ug/l	98
25) 2-Butanone	6.84	43	428406	234.378	ug/l	98
26) 2,2-Dichloropropane	6.83	77	286432	41.777	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	231481	47.627	ug/l	93
28) Bromochloromethane	7.20	49	171396	40.062	ug/l #	86
29) Tetrahydrofuran	7.21	42	284143	233.337	ug/l	98
30) Chloroform	7.37	83	385127	44.693	ug/l	94
31) Cyclohexane	7.66	56	349919	43.343	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	334915	48.327	ug/l	97
36) 1,1-Dichloropropene	7.79	75	292633	46.732	ug/l	95
37) Ethyl Acetate	6.93	43	190662	45.489	ug/l	98
38) Carbon Tetrachloride	7.78	117	291210	53.934	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	358025	48.179	ug/l	98
40) Benzene	8.04	78	867497	47.894	ug/l	97
41) Methacrylonitrile	7.18	41	99418m	45.977	ug/l	
42) 1,2-Dichloroethane	8.13	62	286209	42.819	ug/l	97
43) Isopropyl Acetate	8.17	43	344752	46.246	ug/l #	88
44) Trichloroethene	8.84	130	215096	53.101	ug/l	89
45) 1,2-Dichloropropane	9.12	63	230239	44.623	ug/l	99
46) Dibromomethane	9.21	93	141698	49.137	ug/l #	91
47) Bromodichloromethane	9.40	83	293906	48.867	ug/l #	93
48) Methyl methacrylate	9.20	41	175488	46.431	ug/l	98
49) 1,4-Dioxane	9.20	88	37163	1168.313	ug/l	88
51) 4-Methyl-2-Pentanone	9.99	43	982748	242.542	ug/l	100
52) Toluene	10.16	92	536248	49.045	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	295536	46.478	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	340397	48.203	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	194594	49.970	ug/l	96
56) Ethyl methacrylate	10.43	69	264015	47.395	ug/l	98
57) 1,3-Dichloropropane	10.71	76	330107	46.069	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	701469	236.739	ug/l	95
59) 2-Hexanone	10.75	43	663295	229.717	ug/l	97
60) Dibromochloromethane	10.90	129	211456	55.156	ug/l	99
61) 1,2-Dibromoethane	11.01	107	197992	51.143	ug/l	99
64) Tetrachloroethene	10.63	164	179609	53.493	ug/l	98
65) Chlorobenzene	11.44	112	589188	50.473	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	209395	57.128	ug/l	99
67) Ethyl Benzene	11.51	91	1032093	49.579	ug/l	97
68) m/p-Xylenes	11.62	106	793685	106.519	ug/l	93
69) o-Xylene	11.95	106	386830	52.466	ug/l	95
70) Styrene	11.96	104	625127	52.400	ug/l	98
71) Bromoform	12.13	173	123414	52.290	ug/l #	98
73) Isopropylbenzene	12.25	105	1006360	48.777	ug/l	97
74) N-amyl acetate	12.07	43	328638	45.642	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	232453	46.986	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	214339m	48.531	ug/l	
77) Bromobenzene	12.53	156	235326	54.514	ug/l	83
78) n-propylbenzene	12.59	91	1169273	46.771	ug/l	96
79) 2-Chlorotoluene	12.67	91	678561	46.561	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	824891	49.132	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	62144	46.703	ug/l	98
82) 4-Chlorotoluene	12.77	91	697892	46.961	ug/l	94
83) tert-Butylbenzene	12.99	119	721369	51.148	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	824037	49.310	ug/l	98
85) sec-Butylbenzene	13.17	105	973647	48.327	ug/l	97
86) p-Isopropyltoluene	13.29	119	828244	50.478	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	414615	52.666	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	409149	51.855	ug/l	96
89) n-Butylbenzene	13.62	91	710441	45.401	ug/l	96
90) Hexachloroethane	13.88	117	140538	49.979	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	395751	53.469	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33716	47.331	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167235	60.678	ug/l	97
94) Hexachlorobutadiene	15.01	225	81286	52.695	ug/l	99
95) Naphthalene	15.13	128	403557	58.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	143482	60.327	ug/l	97

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

