

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051215.D
 Acq On : 15 Sep 2018 10:43
 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
 9/18/2018 4:31:26 PM

Quant Time: Sep 17 02:28:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	671270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	924620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	833965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	422395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	313390	41.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.90%	
35) Dibromofluoromethane	7.59	113	314760	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
50) Toluene-d8	10.09	98	1169293	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
62) 4-Bromofluorobenzene	12.40	95	387961	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	302853	46.78	ug/l	98
3) Chloromethane	2.06	50	390398	46.66	ug/l	98
4) Vinyl Chloride	2.18	62	390070	43.90	ug/l	98
5) Bromomethane	2.56	94	218297	43.41	ug/l	100
6) Chloroethane	2.70	64	234573	42.77	ug/l	99
7) Trichlorofluoromethane	3.01	101	533540	45.31	ug/l	99
8) Diethyl Ether	3.41	74	183003	42.26	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	338825	44.64	ug/l	99
10) Methyl Iodide	3.95	142	282676	40.97	ug/l	98
11) Tert butyl alcohol	4.79	59	87345	153.08	ug/l	99
12) 1,1-Dichloroethene	3.73	96	311065	43.44	ug/l	99
13) Acrolein	3.61	56	158083	229.22	ug/l	97
14) Allyl chloride	4.32	41	474814	43.52	ug/l	100
15) Acrylonitrile	4.99	53	499767	197.67	ug/l	99
16) Acetone	3.82	43	519908	282.23	ug/l	99
17) Carbon Disulfide	4.05	76	948333	44.95	ug/l	99
18) Methyl Acetate	4.33	43	226122	37.80	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	794341	41.97	ug/l	99
20) Methylene Chloride	4.55	84	351057	42.54	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	335413	43.19	ug/l	100
22) Diisopropyl ether	5.95	45	968634	44.73	ug/l	96
23) Vinyl Acetate	5.90	43	3197806	218.21	ug/l	100
24) 1,1-Dichloroethane	5.85	63	596542	43.42	ug/l	99
25) 2-Butanone	6.84	43	617909	210.38	ug/l	99
26) 2,2-Dichloropropane	6.82	77	498327	44.31	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	370838	43.52	ug/l	100
28) Bromochloromethane	7.19	49	253521	41.46	ug/l	99
29) Tetrahydrofuran	7.21	42	350658	191.19	ug/l	99
30) Chloroform	7.37	83	603064	44.12	ug/l	100
31) Cyclohexane	7.65	56	551056	44.96	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	516395	44.34	ug/l	99
36) 1,1-Dichloropropene	7.79	75	471304	46.43	ug/l	100
37) Ethyl Acetate	6.93	43	242164	41.19	ug/l	99
38) Carbon Tetrachloride	7.77	117	474987	47.54	ug/l	99

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

39) Methylcyclohexane	9.08	83	554914	49.54	ug/l	100
40) Benzene	8.04	78	1410951	46.12	ug/l	99
41) Methacrylonitrile	7.17	41	123003	40.55	ug/l	97
42) 1,2-Dichloroethane	8.12	62	405023	45.43	ug/l	99
43) Isopropyl Acetate	8.16	43	442882	42.69	ug/l #	88
44) Trichloroethene	8.83	130	383086	45.79	ug/l	99
45) 1,2-Dichloropropane	9.12	63	358648	45.37	ug/l	98
46) Dibromomethane	9.21	93	210203	43.59	ug/l	100
47) Bromodichloromethane	9.40	83	459963	46.91	ug/l	98
48) Methyl methacrylate	9.20	41	216828	42.89	ug/l	99
49) 1,4-Dioxane	9.20	88	55192	696.20	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1174526	204.73	ug/l	100
52) Toluene	10.16	92	883143	47.35	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	457233	46.59	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	545285	47.39	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	303810	44.84	ug/l	100
56) Ethyl methacrylate	10.43	69	367759	40.91	ug/l	100
57) 1,3-Dichloropropane	10.71	76	501229	44.62	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	731123	194.85	ug/l	99
59) 2-Hexanone	10.75	43	839917	215.88	ug/l	99
60) Dibromochloromethane	10.90	129	358369	46.92	ug/l	99
61) 1,2-Dibromoethane	11.01	107	298312	45.04	ug/l	100
64) Tetrachloroethene	10.63	164	353959	46.51	ug/l	99
65) Chlorobenzene	11.43	112	960570	45.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	360740	47.66	ug/l	99
67) Ethyl Benzene	11.51	91	1650702	48.49	ug/l	100
68) m/p-Xylenes	11.62	106	1296863	99.15	ug/l	99
69) o-Xylene	11.95	106	614966	48.55	ug/l	99
70) Styrene	11.96	104	980135	49.88	ug/l	99
71) Bromoform	12.13	173	240922	45.21	ug/l #	100
73) Isopropylbenzene	12.25	105	1632169	46.08	ug/l	100
74) N-amyl acetate	12.07	43	339749	38.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	359772	44.08	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	297531m	45.29	ug/l	
77) Bromobenzene	12.53	156	413755	43.49	ug/l	97
78) n-propylbenzene	12.59	91	1829512	46.99	ug/l	100
79) 2-Chlorotoluene	12.67	91	1090120	44.79	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1346496	47.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	90308	40.60	ug/l	100
82) 4-Chlorotoluene	12.77	91	1080716	44.74	ug/l	100
83) tert-Butylbenzene	12.99	119	1167566	46.18	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1369354	48.63	ug/l	100
85) sec-Butylbenzene	13.17	105	1528608	47.14	ug/l	100
86) p-Isopropyltoluene	13.29	119	1351390	49.15	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	713290	44.19	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	678521	45.78	ug/l	100
89) n-Butylbenzene	13.61	91	1037457	48.48	ug/l	99
90) Hexachloroethane	13.87	117	243448	48.62	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	675744	42.96	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47190	39.15	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	294871	39.68	ug/l	98
94) Hexachlorobutadiene	15.01	225	235475	51.42	ug/l	100
95) Naphthalene	15.13	128	520562	34.62	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	282344	39.54	ug/l	99

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

