

Data File : VN051425.D
Acq On : 23 Sep 2018 20:30
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:27 PM

Quant Time: Sep 24 07:56:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	513383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	729736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	665344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	343363	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	338656	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	7.59	113	304365	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	10.09	98	1136525	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
62) 4-Bromofluorobenzene	12.40	95	371284	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	233086	48.665	ug/l	100
3) Chloromethane	2.06	50	398129	52.217	ug/l	99
4) Vinyl Chloride	2.19	62	433476	51.511	ug/l	99
5) Bromomethane	2.56	94	251052	49.782	ug/l	97
6) Chloroethane	2.70	64	272955	52.054	ug/l	98
7) Trichlorofluoromethane	3.01	101	563118	51.087	ug/l	99
8) Diethyl Ether	3.41	74	160289	46.203	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	279011	44.851	ug/l	98
10) Methyl Iodide	3.95	142	391372	47.374	ug/l	97
11) Tert butyl alcohol	4.78	59	86473	238.249	ug/l	98
12) 1,1-Dichloroethene	3.74	96	253713	44.418	ug/l	99
13) Acrolein	3.61	56	85870	238.255	ug/l	100
14) Allyl chloride	4.33	41	443803	46.309	ug/l	99
15) Acrylonitrile	4.99	53	467954	237.010	ug/l	99
16) Acetone	3.82	43	318949	220.317	ug/l	96
17) Carbon Disulfide	4.05	76	759430	45.254	ug/l	100
18) Methyl Acetate	4.33	43	238406	48.675	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	733983	49.831	ug/l	97
20) Methylene Chloride	4.55	84	302423	47.522	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	280019	47.922	ug/l	97
22) Diisopropyl ether	5.95	45	971462	52.442	ug/l	98
23) Vinyl Acetate	5.90	43	3109633	255.689	ug/l	100
24) 1,1-Dichloroethane	5.85	63	555724	50.279	ug/l	98
25) 2-Butanone	6.84	43	509299	231.375	ug/l	99
26) 2,2-Dichloropropane	6.83	77	384722	44.591	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	318384	49.658	ug/l	99
28) Bromochloromethane	7.20	49	267052	52.321	ug/l	99
29) Tetrahydrofuran	7.21	42	361690	259.291	ug/l	99
30) Chloroform	7.37	83	558018	50.951	ug/l	99
31) Cyclohexane	7.66	56	492994	48.683	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	481423	51.419	ug/l	99
36) 1,1-Dichloropropene	7.79	75	422914	50.046	ug/l	98
37) Ethyl Acetate	6.93	43	246672	50.769	ug/l	99
38) Carbon Tetrachloride	7.78	117	439174	49.687	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	482620	48.855	ug/l	96
40) Benzene	8.04	78	1248784	50.329	ug/l	98
41) Methacrylonitrile	7.18	41	119265m	44.369	ug/l	
42) 1,2-Dichloroethane	8.12	62	402557	50.668	ug/l	99
43) Isopropyl Acetate	8.17	43	449173	51.125	ug/l #	89
44) Trichloroethene	8.84	130	323295	49.055	ug/l	98
45) 1,2-Dichloropropane	9.12	63	338402	50.172	ug/l	100
46) Dibromomethane	9.21	93	193924	50.886	ug/l	99
47) Bromodichloromethane	9.40	83	432689	51.306	ug/l	100
48) Methyl methacrylate	9.20	41	223191	50.953	ug/l	99
49) 1,4-Dioxane	9.20	88	53049	988.182	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1215856	251.631	ug/l	99
52) Toluene	10.16	92	773028	50.131	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	419207	49.235	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	487390	49.361	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	277368	50.897	ug/l	97
56) Ethyl methacrylate	10.43	69	344247	51.666	ug/l	99
57) 1,3-Dichloropropane	10.71	76	468491	50.156	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	877590	243.920	ug/l	99
59) 2-Hexanone	10.75	43	768757	245.426	ug/l	100
60) Dibromochloromethane	10.90	129	324912	50.531	ug/l	100
61) 1,2-Dibromoethane	11.01	107	264906	50.074	ug/l	99
64) Tetrachloroethene	10.63	164	303211	50.214	ug/l	97
65) Chlorobenzene	11.43	112	840933	49.262	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	324685	49.923	ug/l	100
67) Ethyl Benzene	11.51	91	1451187	50.443	ug/l	100
68) m/p-Xylenes	11.62	106	1125755	101.165	ug/l	100
69) o-Xylene	11.95	106	536773	50.176	ug/l	98
70) Styrene	11.96	104	866792	51.134	ug/l	100
71) Bromoform	12.13	173	217488	49.283	ug/l #	97
73) Isopropylbenzene	12.25	105	1443444	49.824	ug/l	100
74) N-amyl acetate	12.07	43	374486	51.519	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	323821	47.933	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	288222m	50.565	ug/l	
77) Bromobenzene	12.53	156	351581	47.939	ug/l	98
78) n-propylbenzene	12.59	91	1648152	50.478	ug/l	99
79) 2-Chlorotoluene	12.67	91	967142	49.485	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1201254	50.851	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	86688	46.764	ug/l	99
82) 4-Chlorotoluene	12.77	91	962114	49.321	ug/l	100
83) tert-Butylbenzene	12.99	119	1041991	49.556	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1215289	51.053	ug/l	100
85) sec-Butylbenzene	13.17	105	1417483	49.832	ug/l	99
86) p-Isopropyltoluene	13.29	119	1246030	50.624	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	626745	49.383	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	605646	49.596	ug/l	99
89) n-Butylbenzene	13.61	91	1009219	49.863	ug/l	99
90) Hexachloroethane	13.87	117	237232	48.374	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	606446	49.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46513	48.244	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	296672	45.323	ug/l	99
94) Hexachlorobutadiene	15.01	225	219248	47.058	ug/l	99
95) Naphthalene	15.13	128	531650	42.989	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	287850	48.709	ug/l	99

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

MMDadoda
9/24/2018 2:15:27 PM

Abundance

TIC: VN051425.D

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
Methyl Iodide, T
Carbon Disulfide, T
Methyl chloride, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
Methyl tert-butyl ether, T
1,1-Dichloroethane, T
Vinyl Acetate, T
Isopropyl ether, T
Ethyl Acetate, T
2-Ethoxyethyl bromide, T
Methyl tert-butyl ether, T
Chloroform, C
Dichloromethane, T
Isopropyl acetate, T
1,4-Difluorobenzene, I
Trichloroethene, TM
1,2-Dichloroethane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
Toluene, CM
4-Methyl-2-Pentanone, T
Ethyl tert-butyl ether, T
2,2-Dichloroethane, T
1,3-Dichloropropane, T
Hexanone, T
Dibromochloromethane, T
1,2-Dibromobenzene, T
Chlorobenzene, PM
Ethyl tert-butyl ether, T
p-Xylenes, T
Styrene, T
Isopropylbenzene, T
n-Propylbenzene, T
1,3,5-Trimethylbenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T