

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120718\
 Data File : VN052717.D
 Acq On : 7 Dec 2018 10:47
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 12:50:31 PM

Quant Time: Dec 07 12:58:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	946697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1429886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1270483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	599725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	511654	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	7.59	113	464215	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	10.09	98	1772794	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.40	95	619602	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	382010	43.096	ug/l	99
3) Chloromethane	2.06	50	486055	41.540	ug/l	99
4) Vinyl Chloride	2.19	62	519608	43.230	ug/l	99
5) Bromomethane	2.57	94	307786	41.040	ug/l	100
6) Chloroethane	2.71	64	317575	43.619	ug/l	98
7) Trichlorofluoromethane	3.02	101	695179	47.085	ug/l	100
8) Diethyl Ether	3.41	74	264731	48.554	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	454304	49.312	ug/l	98
10) Methyl Iodide	3.96	142	633651	51.641	ug/l	100
11) Tert butyl alcohol	4.78	59	120835	234.159	ug/l	99
12) 1,1-Dichloroethene	3.74	96	410213	46.257	ug/l	100
13) Acrolein	3.61	56	113101	126.105	ug/l	97
14) Allyl chloride	4.33	41	730160	47.772	ug/l	99
15) Acrylonitrile	4.99	53	782565	239.567	ug/l	99
16) Acetone	3.82	43	724436	266.456	ug/l	99
17) Carbon Disulfide	4.06	76	1115869	39.985	ug/l	100
18) Methyl Acetate	4.32	43	398087	51.045	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1163453	49.310	ug/l	99
20) Methylene Chloride	4.55	84	481540	45.260	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	444922	46.976	ug/l	98
22) Diisopropyl ether	5.95	45	1558537	48.545	ug/l	99
23) Vinyl Acetate	5.90	43	4831396	241.611	ug/l	99
24) 1,1-Dichloroethane	5.85	63	885982	48.333	ug/l	99
25) 2-Butanone	6.83	43	957584	248.491	ug/l	98
26) 2,2-Dichloropropane	6.82	77	659750	51.998	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	529109	47.958	ug/l	99
28) Bromochloromethane	7.19	49	409213	48.876	ug/l	98
29) Tetrahydrofuran	7.21	42	577803	232.465	ug/l	99
30) Chloroform	7.37	83	878654	48.044	ug/l	99
31) Cyclohexane	7.65	56	796644	44.863	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	713003	49.206	ug/l	99
36) 1,1-Dichloropropene	7.79	75	659016	48.806	ug/l	98
37) Ethyl Acetate	6.93	43	397453	48.231	ug/l	100
38) Carbon Tetrachloride	7.77	117	626974	51.292	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	806013	49.111	ug/l	98
40) Benzene	8.04	78	1995816	49.597	ug/l	100
41) Methacrylonitrile	7.18	41	232732	51.658	ug/l	96
42) 1,2-Dichloroethane	8.12	62	611035	50.149	ug/l	100
43) Isopropyl Acetate	8.16	43	706892	50.689	ug/l #	89
44) Trichloroethene	8.83	130	521042	50.549	ug/l	100
45) 1,2-Dichloropropane	9.12	63	543026	50.757	ug/l	98
46) Dibromomethane	9.21	93	299862	50.630	ug/l	99
47) Bromodichloromethane	9.40	83	664764	51.625	ug/l	98
48) Methyl methacrylate	9.20	41	365125	50.212	ug/l	99
49) 1,4-Dioxane	9.20	88	70998	940.774	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1989301	254.240	ug/l	100
52) Toluene	10.16	92	1213685	50.763	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	667935	53.919	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	779226	52.491	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	435342	51.765	ug/l	98
56) Ethyl methacrylate	10.43	69	553031	47.498	ug/l	99
57) 1,3-Dichloropropane	10.71	76	748417	50.399	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1595033	261.372	ug/l	99
59) 2-Hexanone	10.75	43	1396084	265.848	ug/l	99
60) Dibromochloromethane	10.90	129	487581	53.380	ug/l	99
61) 1,2-Dibromoethane	11.00	107	423546	50.706	ug/l	100
64) Tetrachloroethene	10.63	164	518394	52.627	ug/l	99
65) Chlorobenzene	11.43	112	1346962	51.416	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	479472	52.638	ug/l	99
67) Ethyl Benzene	11.51	91	2366925	51.594	ug/l	99
68) m/p-Xylenes	11.62	106	1783521	104.431	ug/l	100
69) o-Xylene	11.95	106	861501	51.946	ug/l	99
70) Styrene	11.96	104	1424538	53.928	ug/l	99
71) Bromoform	12.13	173	327544	54.308	ug/l	100
73) Isopropylbenzene	12.25	105	2354380	50.038	ug/l	100
74) N-amyl acetate	12.07	43	595596	50.104	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	515587	48.170	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	431387m	46.646	ug/l	
77) Bromobenzene	12.53	156	578444	49.737	ug/l	98
78) n-propylbenzene	12.59	91	2717353	50.836	ug/l	99
79) 2-Chlorotoluene	12.67	91	1572704	49.407	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1902970	50.711	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	145253	52.452	ug/l	99
82) 4-Chlorotoluene	12.77	91	1597613	49.799	ug/l	99
83) tert-Butylbenzene	12.99	119	1699905	50.813	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1919276	51.035	ug/l	99
85) sec-Butylbenzene	13.17	105	2338869	51.329	ug/l	100
86) p-Isopropyltoluene	13.29	119	2016787	51.965	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1043722	51.305	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1014020	50.604	ug/l	100
89) n-Butylbenzene	13.62	91	1736669	53.806	ug/l	100
90) Hexachloroethane	13.88	117	340474	51.812	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	990123	50.943	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	75331	49.210	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	529038	49.706	ug/l	100
94) Hexachlorobutadiene	15.01	225	323011	51.660	ug/l	99
95) Naphthalene	15.13	128	1044019	46.496	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	485486	49.615	ug/l	99

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

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