

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053068.D
 Acq On : 20 Dec 2018 20:22
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 9:21:46 AM

Quant Time: Dec 21 02:33:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1085847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1677715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1450534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	638002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	603084	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
35) Dibromofluoromethane	7.59	113	473324	61.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.52%	
50) Toluene-d8	10.09	98	2168346	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.40	95	718201	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	519807	47.300	ug/l	99
3) Chloromethane	2.06	50	610750	45.862	ug/l	99
4) Vinyl Chloride	2.19	62	658423	48.819	ug/l	100
5) Bromomethane	2.57	94	417710	44.702	ug/l	100
6) Chloroethane	2.71	64	394858	49.433	ug/l	97
7) Trichlorofluoromethane	3.03	101	846054	50.356	ug/l	100
8) Diethyl Ether	3.41	74	338764	53.446	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	537108	50.138	ug/l	98
10) Methyl Iodide	3.96	142	766609	50.958	ug/l	99
11) Tert butyl alcohol	4.78	59	192906	286.911	ug/l	99
12) 1,1-Dichloroethene	3.74	96	527529	50.971	ug/l	99
13) Acrolein	3.61	56	205631	337.293	ug/l	99
14) Allyl chloride	4.33	41	814364	50.799	ug/l	99
15) Acrylonitrile	4.99	53	1017639	272.441	ug/l	100
16) Acetone	3.82	43	623280	288.484	ug/l	97
17) Carbon Disulfide	4.06	76	1476946	43.758	ug/l	99
18) Methyl Acetate	4.33	43	532594	54.227	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1516343	54.749	ug/l	99
20) Methylene Chloride	4.56	84	591495	50.189	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	556586	50.054	ug/l	99
22) Diisopropyl ether	5.95	45	1849700	54.055	ug/l	97
23) Vinyl Acetate	5.90	43	5455082	277.235	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1057862	52.025	ug/l	99
25) 2-Butanone	6.83	43	1068123	294.581	ug/l	98
26) 2,2-Dichloropropane	6.83	77	763722	49.203	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	651690	51.768	ug/l	99
28) Bromochloromethane	7.20	49	471887	53.557	ug/l	96
29) Tetrahydrofuran	7.21	42	757366	279.669	ug/l	98
30) Chloroform	7.37	83	1030839	51.607	ug/l	99
31) Cyclohexane	7.65	56	975478	51.176	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	868846	51.061	ug/l	99
36) 1,1-Dichloropropene	7.80	75	803460	49.895	ug/l	100
37) Ethyl Acetate	6.93	43	506266	56.317	ug/l	99
38) Carbon Tetrachloride	7.78	117	738788	50.053	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	932222	47.655	ug/l	98
40) Benzene	8.04	78	2433739	50.810	ug/l	99
41) Methacrylonitrile	7.17	41	270144	52.010	ug/l	96
42) 1,2-Dichloroethane	8.13	62	727516	51.414	ug/l	99
43) Isopropyl Acetate	8.16	43	948004	54.590	ug/l	99
44) Trichloroethene	8.84	130	678753	48.993	ug/l	97
45) 1,2-Dichloropropane	9.12	63	652988	52.339	ug/l	98
46) Dibromomethane	9.21	93	370609	50.992	ug/l	98
47) Bromodichloromethane	9.40	83	786359	50.900	ug/l	100
48) Methyl methacrylate	9.20	41	468295	53.684	ug/l	98
49) 1,4-Dioxane	9.20	88	109319	990.703	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2424156	278.456	ug/l	99
52) Toluene	10.16	92	1487991	50.120	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	814361	50.129	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	948843	50.884	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	540794	52.213	ug/l	99
56) Ethyl methacrylate	10.43	69	741791	54.109	ug/l	98
57) 1,3-Dichloropropane	10.71	76	921974	51.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2057123	273.326	ug/l	98
59) 2-Hexanone	10.75	43	1618489	274.780	ug/l	99
60) Dibromochloromethane	10.90	129	599910	50.600	ug/l	100
61) 1,2-Dibromoethane	11.01	107	539734	51.310	ug/l	99
64) Tetrachloroethene	10.63	164	757716	48.224	ug/l	99
65) Chlorobenzene	11.43	112	1612572	50.151	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	586072	52.414	ug/l	100
67) Ethyl Benzene	11.51	91	2804940	50.725	ug/l	100
68) m/p-Xylenes	11.62	106	2083546	99.115	ug/l	99
69) o-Xylene	11.95	106	1015650	50.350	ug/l	100
70) Styrene	11.96	104	1672817	50.857	ug/l	99
71) Bromoform	12.13	173	401344	49.685	ug/l #	100
73) Isopropylbenzene	12.25	105	2691434	53.917	ug/l	100
74) N-amyl acetate	12.07	43	828844	59.805	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	578964	59.119	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	516527m	48.093	ug/l	
77) Bromobenzene	12.53	156	687111	52.953	ug/l	97
78) n-propylbenzene	12.59	91	2980892	52.432	ug/l	99
79) 2-Chlorotoluene	12.67	91	1748970	49.631	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2075688	51.015	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	181287	54.404	ug/l	96
82) 4-Chlorotoluene	12.77	91	1765311	51.174	ug/l	100
83) tert-Butylbenzene	12.99	119	1824035	50.690	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2074729	50.724	ug/l	100
85) sec-Butylbenzene	13.17	105	2406364	49.440	ug/l	100
86) p-Isopropyltoluene	13.29	119	2066046	49.125	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1124022	48.943	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1114532	47.922	ug/l	100
89) n-Butylbenzene	13.62	91	1675210	46.299	ug/l	99
90) Hexachloroethane	13.88	117	310592	48.124	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1055954	48.855	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86402	51.026	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	548708	47.942	ug/l	99
94) Hexachlorobutadiene	15.01	225	307714	52.014	ug/l	99
95) Naphthalene	15.13	128	1237733	49.357	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	502457	48.739	ug/l	99

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

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