

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052889.D
 Acq On : 14 Dec 2018 15:21
 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
 12/17/2018 3:05:50 PM

Quant Time: Dec 15 03:21:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1233645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1842926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1660254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	770040	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	643317	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	7.59	113	418101	40.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.28%	
50) Toluene-d8	10.09	98	2371018	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.40	95	816936	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	629165	49.544	ug/l	99
3) Chloromethane	2.06	50	712323	46.736	ug/l	98
4) Vinyl Chloride	2.19	62	738887	48.457	ug/l	100
5) Bromomethane	2.57	94	440674	46.856	ug/l	99
6) Chloroethane	2.71	64	436343	48.412	ug/l	99
7) Trichlorofluoromethane	3.03	101	937166	49.573	ug/l	99
8) Diethyl Ether	3.41	74	332571	48.226	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	597616	51.007	ug/l	99
10) Methyl Iodide	3.96	142	814939	49.667	ug/l	99
11) Tert butyl alcohol	4.77	59	154943	211.403	ug/l	98
12) 1,1-Dichloroethene	3.74	96	551931	48.662	ug/l	99
13) Acrolein	3.61	56	54746	79.335	ug/l	100
14) Allyl chloride	4.33	41	910619	49.155	ug/l	97
15) Acrylonitrile	4.99	53	927756	225.633	ug/l	99
16) Acetone	3.82	43	606123	205.743	ug/l	98
17) Carbon Disulfide	4.06	76	1629938	46.780	ug/l	100
18) Methyl Acetate	4.32	43	497550	46.019	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1460736	47.440	ug/l	100
20) Methylene Chloride	4.55	84	621472	46.876	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	588826	47.919	ug/l	99
22) Diisopropyl ether	5.95	45	1897201	48.004	ug/l	99
23) Vinyl Acetate	5.90	43	5270727	224.124	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1096624	48.116	ug/l	99
25) 2-Butanone	6.83	43	978760	214.115	ug/l	98
26) 2,2-Dichloropropane	6.83	77	848842	50.575	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	673919	48.322	ug/l	99
28) Bromochloromethane	7.20	49	505394	49.383	ug/l	98
29) Tetrahydrofuran	7.21	42	686159	219.875	ug/l	98
30) Chloroform	7.37	83	1085426	48.838	ug/l	100
31) Cyclohexane	7.66	56	1077246	48.445	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	912124	49.052	ug/l	99
36) 1,1-Dichloropropene	7.80	75	866806	51.076	ug/l	100
37) Ethyl Acetate	6.93	43	465125	45.623	ug/l	100
38) Carbon Tetrachloride	7.78	117	779103	49.876	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1087685	52.227	ug/l	99
40) Benzene	8.04	78	2545401	49.973	ug/l	99
41) Methacrylonitrile	7.17	41	285436	50.530	ug/l	92
42) 1,2-Dichloroethane	8.13	62	752003	49.040	ug/l	100
43) Isopropyl Acetate	8.16	43	887922	42.479	ug/l	99
44) Trichloroethene	8.84	130	753841	54.792	ug/l	97
45) 1,2-Dichloropropane	9.12	63	670209	50.235	ug/l	97
46) Dibromomethane	9.21	93	379248	49.016	ug/l	99
47) Bromodichloromethane	9.40	83	809402	50.447	ug/l	99
48) Methyl methacrylate	9.20	41	450619	49.158	ug/l	99
49) 1,4-Dioxane	9.20	88	99195	953.340	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2260017	235.793	ug/l	99
52) Toluene	10.16	92	1586051	51.412	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	838783	51.951	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	988566	51.382	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	541070	49.132	ug/l	99
56) Ethyl methacrylate	10.43	69	713147	50.460	ug/l	99
57) 1,3-Dichloropropane	10.71	76	936851	49.609	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1945054	246.652	ug/l	99
59) 2-Hexanone	10.75	43	1525155	232.189	ug/l	100
60) Dibromochloromethane	10.90	129	596858	50.148	ug/l	100
61) 1,2-Dibromoethane	11.01	107	542417	49.829	ug/l	100
64) Tetrachloroethene	10.63	164	941271	65.964	ug/l	98
65) Chlorobenzene	11.44	112	1757704	51.030	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	606298	50.612	ug/l	99
67) Ethyl Benzene	11.51	91	3063059	51.783	ug/l	100
68) m/p-Xylenes	11.62	106	2323815	104.626	ug/l	100
69) o-Xylene	11.95	106	1130942	52.145	ug/l	100
70) Styrene	11.97	104	1852170	53.124	ug/l	100
71) Bromoform	12.13	173	393600	48.364	ug/l #	100
73) Isopropylbenzene	12.25	105	3031278	52.723	ug/l	100
74) N-amyl acetate	12.07	43	805794	51.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	483798	37.547	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	539063m	47.448	ug/l	
77) Bromobenzene	12.53	156	758848	51.893	ug/l	97
78) n-propylbenzene	12.59	91	3478279	53.046	ug/l	100
79) 2-Chlorotoluene	12.68	91	1990005	51.335	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2425081	52.251	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	183216	51.807	ug/l	97
82) 4-Chlorotoluene	12.77	91	2061210	52.006	ug/l	100
83) tert-Butylbenzene	12.99	119	2128580	51.991	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2451217	52.169	ug/l	100
85) sec-Butylbenzene	13.17	105	2925251	52.758	ug/l	100
86) p-Isopropyltoluene	13.29	119	2542567	52.929	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1324079	50.952	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1306863	50.782	ug/l	100
89) n-Butylbenzene	13.62	91	2195948	54.302	ug/l	100
90) Hexachloroethane	13.88	117	362420	45.056	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1226831	49.078	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84784	43.651	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	677276	49.843	ug/l	100
94) Hexachlorobutadiene	15.01	225	382147	48.588	ug/l	100
95) Naphthalene	15.13	128	1393529	49.516	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	591418	47.434	ug/l	99

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

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