

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
 Data File : VN051515.D
 Acq On : 26 Sep 2018 5:00
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

mmdadoda
 9/30/2018 9:54:32 AM

Quant Time: Sep 26 08:20:43 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	465708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	682594	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	621168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	334812	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	319102	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
35) Dibromofluoromethane	7.59	113	281983	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
50) Toluene-d8	10.09	98	1050929	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	353066	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	199359	45.884	ug/l	99
3) Chloromethane	2.06	50	334089	48.303	ug/l	98
4) Vinyl Chloride	2.18	62	370437	48.526	ug/l	99
5) Bromomethane	2.56	94	136336	29.826	ug/l	100
6) Chloroethane	2.70	64	240835	50.631	ug/l	98
7) Trichlorofluoromethane	3.01	101	521720	52.177	ug/l	98
8) Diethyl Ether	3.41	74	155183	49.509	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	259204	45.933	ug/l	97
10) Methyl Iodide	3.95	142	239227	32.012	ug/l	98
11) Tert butyl alcohol	4.80	59	90770	275.690	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	234150	45.189	ug/l	99
13) Acrolein	3.61	56	65907	201.585	ug/l	99
14) Allyl chloride	4.33	41	418472	48.136	ug/l	98
15) Acrylonitrile	4.99	53	477684	266.706	ug/l	99
16) Acetone	3.82	43	346341	268.975	ug/l	98
17) Carbon Disulfide	4.05	76	667638	43.857	ug/l	100
18) Methyl Acetate	4.33	43	258523	58.186	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	725483	54.296	ug/l	99
20) Methylene Chloride	4.55	84	291589	50.510	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	261236	49.284	ug/l	99
22) Diisopropyl ether	5.96	45	956293	56.908	ug/l	96
23) Vinyl Acetate	5.90	43	3080049	279.182	ug/l	99
24) 1,1-Dichloroethane	5.85	63	540896	53.947	ug/l	99
25) 2-Butanone	6.84	43	536935	268.901	ug/l	97
26) 2,2-Dichloropropane	6.83	77	317442	40.559	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	303948	52.260	ug/l	99
28) Bromochloromethane	7.20	49	270209	58.359	ug/l	98
29) Tetrahydrofuran	7.21	42	375961	297.113	ug/l	97
30) Chloroform	7.37	83	542529	54.608	ug/l	99
31) Cyclohexane	7.66	56	442672	48.189	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	456010	53.690	ug/l	99
36) 1,1-Dichloropropene	7.79	75	396171	50.119	ug/l	97
37) Ethyl Acetate	6.93	43	245378	53.990	ug/l	98
38) Carbon Tetrachloride	7.78	117	410967	49.707	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	423718	45.855	ug/l	98
40) Benzene	8.04	78	1189395	51.246	ug/l	100
41) Methacrylonitrile	7.18	41	130341	51.838	ug/l	98
42) 1,2-Dichloroethane	8.13	62	387137	52.092	ug/l	100
43) Isopropyl Acetate	8.17	43	474997	57.798	ug/l	97
44) Trichloroethene	8.84	130	302168	49.016	ug/l	99
45) 1,2-Dichloropropane	9.12	63	336124	53.276	ug/l	99
46) Dibromomethane	9.21	93	189397	53.130	ug/l	99
47) Bromodichloromethane	9.40	83	416197	52.758	ug/l	98
48) Methyl methacrylate	9.20	41	234722	57.287	ug/l	95
49) 1,4-Dioxane	9.20	88	53538	1066.167	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1266556	280.227	ug/l	99
52) Toluene	10.16	92	731759	50.732	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	397485	49.908	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	460525	49.862	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	270612	53.086	ug/l	98
56) Ethyl methacrylate	10.43	69	340768	54.676	ug/l	98
57) 1,3-Dichloropropane	10.71	76	461121	52.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	847802	251.248	ug/l	100
59) 2-Hexanone	10.75	43	814323	277.927	ug/l	99
60) Dibromochloromethane	10.90	129	314916	52.359	ug/l	99
61) 1,2-Dibromoethane	11.01	107	260952	52.733	ug/l	100
64) Tetrachloroethene	10.63	164	289014	51.267	ug/l	98
65) Chlorobenzene	11.43	112	796113	49.953	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	310299	51.104	ug/l	100
67) Ethyl Benzene	11.51	91	1371383	51.060	ug/l	100
68) m/p-Xylenes	11.62	106	1062747	102.295	ug/l	99
69) o-Xylene	11.95	106	510365	51.101	ug/l	99
70) Styrene	11.96	104	839149	53.024	ug/l	99
71) Bromoform	12.13	173	215623	52.335	ug/l	99
73) Isopropylbenzene	12.25	105	1372710	48.593	ug/l	100
74) N-amyl acetate	12.07	43	383137	54.055	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	337841	51.285	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	282301m	50.791	ug/l	
77) Bromobenzene	12.53	156	342767	47.931	ug/l	96
78) n-propylbenzene	12.59	91	1582438	49.703	ug/l	99
79) 2-Chlorotoluene	12.68	91	940168	49.333	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1165254	50.587	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	84245	46.607	ug/l	97
82) 4-Chlorotoluene	12.77	91	943135	49.583	ug/l	98
83) tert-Butylbenzene	12.99	119	1026362	50.060	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1182726	50.954	ug/l	100
85) sec-Butylbenzene	13.17	105	1367288	49.295	ug/l	99
86) p-Isopropyltoluene	13.29	119	1197440	49.892	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	612973	49.531	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	586833	49.283	ug/l	100
89) n-Butylbenzene	13.62	91	968565	49.076	ug/l	99
90) Hexachloroethane	13.87	117	228750	47.836	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	606719	50.528	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	52162	55.485	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	296116	46.252	ug/l	99
94) Hexachlorobutadiene	15.01	225	210824	46.405	ug/l	100
95) Naphthalene	15.13	128	551114	45.193	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	293425	50.921	ug/l	98

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

