

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051072.D
 Acq On : 10 Sep 2018 12:29
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091018

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:40:42 AM

Quant Time: Sep 11 03:27:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	717697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1018866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	926619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	472239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	397287	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.59	113	388470	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.09	98	1469208	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.40	95	494511	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	314749	45.48	ug/l	99
3) Chloromethane	2.06	50	431223	48.23	ug/l	100
4) Vinyl Chloride	2.18	62	435882	45.88	ug/l	98
5) Bromomethane	2.56	94	261706	48.79	ug/l	99
6) Chloroethane	2.70	64	266382	45.43	ug/l	99
7) Trichlorofluoromethane	3.01	101	588485	46.75	ug/l	100
8) Diethyl Ether	3.41	74	229751	49.62	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	386395	47.62	ug/l	99
10) Methyl Iodide	3.95	142	356519	47.32	ug/l	99
11) Tert butyl alcohol	4.79	59	132591	217.34	ug/l	99
12) 1,1-Dichloroethene	3.73	96	359622	46.97	ug/l	99
13) Acrolein	3.61	56	174959	236.42	ug/l	97
14) Allyl chloride	4.32	41	566350	48.56	ug/l	100
15) Acrylonitrile	4.99	53	641166	237.19	ug/l	99
16) Acetone	3.82	43	463911	234.55	ug/l	99
17) Carbon Disulfide	4.05	76	1088120	48.23	ug/l	99
18) Methyl Acetate	4.32	43	281215	43.97	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1006766	49.75	ug/l	99
20) Methylene Chloride	4.55	84	409030	46.36	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	390491	47.03	ug/l	100
22) Diisopropyl ether	5.95	45	1173263	50.68	ug/l	98
23) Vinyl Acetate	5.89	43	3985492	254.37	ug/l	100
24) 1,1-Dichloroethane	5.85	63	707045	48.13	ug/l	99
25) 2-Butanone	6.83	43	706371	224.95	ug/l	100
26) 2,2-Dichloropropane	6.82	77	565631	47.05	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	440150	48.32	ug/l	100
28) Bromochloromethane	7.19	49	319938	48.93	ug/l	99
29) Tetrahydrofuran	7.21	42	466088	237.68	ug/l	99
30) Chloroform	7.37	83	701980	48.04	ug/l	100
31) Cyclohexane	7.65	56	643903	49.16	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	598868	48.10	ug/l	100
36) 1,1-Dichloropropene	7.79	75	548127	49.00	ug/l	100
37) Ethyl Acetate	6.93	43	321123	49.57	ug/l	99
38) Carbon Tetrachloride	7.77	117	536064	48.69	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	631460	51.16	ug/l	99
40) Benzene	8.04	78	1649393	48.93	ug/l	100
41) Methacrylonitrile	7.17	41	148045	44.29	ug/l	94
42) 1,2-Dichloroethane	8.12	62	482672	49.13	ug/l	100
43) Isopropyl Acetate	8.16	43	558142	48.83	ug/l	99
44) Trichloroethene	8.83	130	446322	48.41	ug/l	100
45) 1,2-Dichloropropane	9.12	63	431592	49.55	ug/l	99
46) Dibromomethane	9.21	93	254369	47.87	ug/l	100
47) Bromodichloromethane	9.40	83	540077	49.98	ug/l	99
48) Methyl methacrylate	9.20	41	278725	50.03	ug/l	100
49) 1,4-Dioxane	9.20	88	83023	950.39	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1544725	244.36	ug/l	100
52) Toluene	10.15	92	1032861	50.25	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	554598	51.28	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	651747	51.40	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	368390	49.34	ug/l	99
56) Ethyl methacrylate	10.43	69	473299	47.37	ug/l	99
57) 1,3-Dichloropropane	10.71	76	612694	49.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	974860	232.58	ug/l	99
59) 2-Hexanone	10.75	43	1030060	240.27	ug/l	99
60) Dibromochloromethane	10.90	129	423475	50.32	ug/l	99
61) 1,2-Dibromoethane	11.00	107	365781	50.12	ug/l	99
64) Tetrachloroethene	10.63	164	403564	47.73	ug/l	99
65) Chlorobenzene	11.43	112	1137581	48.70	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	416295	49.50	ug/l	99
67) Ethyl Benzene	11.51	91	1932773	51.10	ug/l	99
68) m/p-Xylenes	11.62	106	1520462	104.62	ug/l	99
69) o-Xylene	11.95	106	727771	51.71	ug/l	100
70) Styrene	11.96	104	1174716	53.81	ug/l	100
71) Bromoform	12.13	173	296801	50.13	ug/l #	100
73) Isopropylbenzene	12.25	105	1913524	48.32	ug/l	100
74) N-amyl acetate	12.07	43	471857	47.34	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	449929	49.50	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	375894m	51.38	ug/l	
77) Bromobenzene	12.53	156	494922	46.53	ug/l	98
78) n-propylbenzene	12.59	91	2149624	49.38	ug/l	100
79) 2-Chlorotoluene	12.67	91	1279822	47.04	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1566722	48.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	120070	48.29	ug/l	98
82) 4-Chlorotoluene	12.77	91	1278946	47.35	ug/l	99
83) tert-Butylbenzene	12.99	119	1359654	48.10	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1595257	50.67	ug/l	100
85) sec-Butylbenzene	13.17	105	1792923	49.46	ug/l	100
86) p-Isopropyltoluene	13.29	119	1601009	52.09	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	849084	47.05	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	821167	49.56	ug/l	99
89) n-Butylbenzene	13.61	91	1255164	52.47	ug/l	100
90) Hexachloroethane	13.87	117	282188	50.43	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	808443	45.97	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61859	45.79	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	390632	46.29	ug/l	98
94) Hexachlorobutadiene	15.01	225	268158	52.41	ug/l	100
95) Naphthalene	15.13	128	762345	43.69	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	380656	47.07	ug/l	99

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

