

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049261.D
 Acq On : 15 Jun 2018 14:27
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:09 PM

Quant Time: Jun 16 01:00:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 15:46:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1484644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2291128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2048725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	823950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	110196	4.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.20%	
35) Dibromofluoromethane	7.59	113	99357	5.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.48%	
50) Toluene-d8	10.09	98	351839	4.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.54%	
62) 4-Bromofluorobenzene	12.40	95	105806	4.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	100261	4.69	ug/l	99
3) Chloromethane	2.06	50	132137	6.05	ug/l	100
4) Vinyl Chloride	2.18	62	137308	6.13	ug/l	99
5) Bromomethane	2.56	94	66359	4.91	ug/l	100
6) Chloroethane	2.70	64	82578	5.46	ug/l	97
7) Trichlorofluoromethane	3.01	101	170061	5.39	ug/l	96
8) Diethyl Ether	3.41	74	58055	4.96	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	109112	5.34	ug/l	93
10) Methyl Iodide	3.95	142	81408	4.10	ug/l	92
11) Tert butyl alcohol	4.80	59	35967	27.52	ug/l #	94
12) 1,1-Dichloroethene	3.73	96	96529	5.21	ug/l	84
13) Acrolein	3.61	56	46982	26.41	ug/l	99
14) Allyl chloride	4.32	41	148570	4.27	ug/l	87
15) Acrylonitrile	4.99	53	161886	23.02	ug/l	98
16) Acetone	3.82	43	138605	24.20	ug/l	90
17) Carbon Disulfide	4.05	76	304152	4.81	ug/l	99
18) Methyl Acetate	4.33	43	79343	3.29	ug/l	92
19) Methyl tert-butyl Ether	5.05	73	230539	4.56	ug/l	100
20) Methylene Chloride	4.55	84	115923	4.98	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	101477	4.94	ug/l	91
22) Diisopropyl ether	5.96	45	291750	4.20	ug/l	97
23) Vinyl Acetate	5.90	43	905520	19.71	ug/l	97
24) 1,1-Dichloroethane	5.85	63	200594	4.84	ug/l	98
25) 2-Butanone	6.84	43	177248	21.61	ug/l	97
26) 2,2-Dichloropropane	6.82	77	161036	5.18	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	111323	4.97	ug/l	93
28) Bromochloromethane	7.20	49	80816	4.11	ug/l	85
29) Tetrahydrofuran	7.22	42	111496	21.13	ug/l	98
30) Chloroform	7.37	83	195905	4.92	ug/l	98
31) Cyclohexane	7.65	56	176061	4.25	ug/l #	74
32) 1,1,1-Trichloroethane	7.57	97	167525	4.89	ug/l	97
36) 1,1-Dichloropropene	7.79	75	138779	4.85	ug/l	96
37) Ethyl Acetate	6.94	43	76209	4.22	ug/l #	96
38) Carbon Tetrachloride	7.77	117	150162	5.21	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	143111	4.84	ug/l	98
40) Benzene	8.04	78	442071	5.10	ug/l	100
41) Methacrylonitrile	7.18	41	33503	3.28	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	137991	4.82	ug/l	96
43) Isopropyl Acetate	8.17	43	148586	4.47	ug/l	97
44) Trichloroethene	8.84	130	119180	5.50	ug/l	91
45) 1,2-Dichloropropane	9.12	63	116959	4.90	ug/l	96
46) Dibromomethane	9.21	93	67300	5.11	ug/l	92
47) Bromodichloromethane	9.40	83	145750	4.91	ug/l #	97
48) Methyl methacrylate	9.20	41	65288	4.02	ug/l	88
49) 1,4-Dioxane	9.21	88	18136	94.60	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	361881	20.45	ug/l	97
52) Toluene	10.16	92	251074	4.98	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	128916	4.57	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	155593	4.76	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	96613	5.22	ug/l	97
56) Ethyl methacrylate	10.43	69	94920	4.25	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	160485	5.05	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	141756	19.60	ug/l	96
59) 2-Hexanone	10.75	43	232929	21.13	ug/l	96
60) Dibromochloromethane	10.90	129	104109	5.07	ug/l	99
61) 1,2-Dibromoethane	11.01	107	86788	5.07	ug/l	99
64) Tetrachloroethene	10.63	164	120917	5.89	ug/l	99
65) Chlorobenzene	11.44	112	292580	5.54	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	107808	5.36	ug/l	99
67) Ethyl Benzene	11.51	91	448146	4.92	ug/l	97
68) m/p-Xylenes	11.63	106	333913	10.01	ug/l	97
69) o-Xylene	11.95	106	164678	5.13	ug/l	91
70) Styrene	11.97	104	237832	4.68	ug/l	98
71) Bromoform	12.13	173	68039	5.42	ug/l #	100
73) Isopropylbenzene	12.25	105	416517	5.26	ug/l	99
74) N-amyl acetate	12.07	43	90298	4.01	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.51	83	112581	5.57	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	80297m	4.99	ug/l	
77) Bromobenzene	12.53	156	111453	5.74	ug/l	90
78) n-propylbenzene	12.59	91	439477	5.00	ug/l	99
79) 2-Chlorotoluene	12.68	91	292791	5.28	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	321778	5.30	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	23767	4.82	ug/l	97
82) 4-Chlorotoluene	12.78	91	272973	5.19	ug/l	97
83) tert-Butylbenzene	12.99	119	286471	5.48	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	309999	5.14	ug/l	96
85) sec-Butylbenzene	13.17	105	368871	5.29	ug/l	98
86) p-Isopropyltoluene	13.29	119	288418	5.11	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	175820	5.68	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	167567	5.50	ug/l	96
89) n-Butylbenzene	13.62	91	201520	4.63	ug/l	98
90) Hexachloroethane	13.88	117	73226	5.50	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	171317	5.62	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14069	5.11	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	43107	3.86	ug/l	97
94) Hexachlorobutadiene	15.01	225	65387	7.10	ug/l	99
95) Naphthalene	15.14	128	91491	3.76	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	52112	4.33	ug/l	98

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

