

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051663.D
 Acq On : 4 Oct 2018 13:19
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:53:11 PM

Quant Time: Oct 05 02:16:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 01:55:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	517891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	793781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	688030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	38021	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	
35) Dibromofluoromethane	7.59	113	32227	5.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.50%	
50) Toluene-d8	10.09	98	114186	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
62) 4-Bromofluorobenzene	12.40	95	38557	4.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.52%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	21948	3.571 ug/l	93
3) Chloromethane	2.06	50	28607	4.840 ug/l	99
4) Vinyl Chloride	2.18	62	44831	4.815 ug/l	100
5) Bromomethane	2.56	94	44718	6.246 ug/l	99
6) Chloroethane	2.70	64	33975	5.430 ug/l	98
7) Trichlorofluoromethane	3.01	101	71339	6.721 ug/l	95
8) Diethyl Ether	3.42	74	15178	5.594 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	28340	5.477 ug/l	97
10) Methyl Iodide	3.95	142	21127	3.349 ug/l	98
11) Tert butyl alcohol	4.80	59	14023m	32.547 ug/l	
12) 1,1-Dichloroethene	3.73	96	27001	5.598 ug/l	96
13) Acrolein	3.61	56	12164	41.875 ug/l	96
14) Allyl chloride	4.32	41	38367	5.216 ug/l	94
15) Acrylonitrile	4.99	53	42450	26.457 ug/l	98
16) Acetone	3.82	43	39863	31.836 ug/l	96
17) Carbon Disulfide	4.05	76	82852	5.652 ug/l	99
18) Methyl Acetate	4.33	43	19520	5.169 ug/l	97
19) Methyl tert-butyl Ether	5.05	73	85915	5.397 ug/l	99
20) Methylene Chloride	4.55	84	30421	5.404 ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	31125	5.446 ug/l	88
22) Diisopropyl ether	5.95	45	82292	5.219 ug/l	97
23) Vinyl Acetate	5.90	43	310864	26.812 ug/l	99
24) 1,1-Dichloroethane	5.85	63	55548	5.477 ug/l	99
25) 2-Butanone	6.84	43	59318	30.025 ug/l	99
26) 2,2-Dichloropropane	6.83	77	53790	5.293 ug/l	96
27) cis-1,2-Dichloroethene	6.84	96	36268	5.466 ug/l	95
28) Bromochloromethane	7.19	49	24478	5.452 ug/l #	5
29) Tetrahydrofuran	7.22	42	31836	26.260 ug/l	96
30) Chloroform	7.38	83	57280	5.027 ug/l	96
31) Cyclohexane	7.66	56	53834	5.796 ug/l #	92
32) 1,1,1-Trichloroethane	7.57	97	56596	5.125 ug/l	97
36) 1,1-Dichloropropene	7.79	75	42379	5.108 ug/l	99
37) Ethyl Acetate	6.94	43	22945	5.302 ug/l #	79
38) Carbon Tetrachloride	7.77	117	49934	5.016 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	52051	4.998	ug/l	100
40) Benzene	8.04	78	122329	4.974	ug/l	99
41) Methacrylonitrile	7.18	41	15174	6.386	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	43280	5.221	ug/l	99
43) Isopropyl Acetate	8.17	43	47846	5.303	ug/l	98
44) Trichloroethene	8.83	130	35516	5.085	ug/l	98
45) 1,2-Dichloropropane	9.12	63	32701	5.377	ug/l	99
46) Dibromomethane	9.21	93	21291	5.037	ug/l	93
47) Bromodichloromethane	9.40	83	47428	5.097	ug/l	97
48) Methyl methacrylate	9.20	41	22117	5.365	ug/l	95
49) 1,4-Dioxane	9.20	88	6572	106.314	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	121899	26.664	ug/l	98
52) Toluene	10.16	92	77532	4.739	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	46526	4.846	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	51186	5.020	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	29269	5.022	ug/l	97
56) Ethyl methacrylate	10.43	69	34417	4.670	ug/l	88
57) 1,3-Dichloropropane	10.71	76	44583	4.834	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	69179	22.681	ug/l	99
59) 2-Hexanone	10.75	43	85391	27.503	ug/l	96
60) Dibromochloromethane	10.90	129	35334	4.633	ug/l	100
61) 1,2-Dibromoethane	11.01	107	29059	4.717	ug/l	95
64) Tetrachloroethene	10.63	164	31751	5.231	ug/l	97
65) Chlorobenzene	11.44	112	87425	5.131	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	34609	5.072	ug/l	99
67) Ethyl Benzene	11.51	91	147495	5.008	ug/l	99
68) m/p-Xylenes	11.62	106	113890	9.664	ug/l	98
69) o-Xylene	11.95	106	55922	4.839	ug/l	94
70) Styrene	11.96	104	84880	4.609	ug/l	97
71) Bromoform	12.13	173	23607	4.652	ug/l #	99
73) Isopropylbenzene	12.25	105	148182	5.965	ug/l	99
74) N-amyl acetate	12.07	43	36945	6.522	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	35415	6.614	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	27854m	6.815	ug/l	
77) Bromobenzene	12.53	156	35947	5.918	ug/l	98
78) n-propylbenzene	12.59	91	157879	5.827	ug/l	98
79) 2-Chlorotoluene	12.68	91	94536	5.920	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	122513	5.852	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	8962	5.653	ug/l	95
82) 4-Chlorotoluene	12.78	91	89438	5.576	ug/l	100
83) tert-Butylbenzene	12.99	119	114320	6.095	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	121040	5.772	ug/l	100
85) sec-Butylbenzene	13.17	105	142041	5.725	ug/l	99
86) p-Isopropyltoluene	13.29	119	123139	5.598	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	55354	5.230	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	55557	5.333	ug/l	97
89) n-Butylbenzene	13.62	91	89610	5.152	ug/l	99
90) Hexachloroethane	13.88	117	25375	5.782	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	58442	5.555	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5067	5.807	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	20696	4.421	ug/l	95
94) Hexachlorobutadiene	15.01	225	18934	5.961	ug/l	97
95) Naphthalene	15.14	128	49199	4.866	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	22586	4.898	ug/l	99

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

