

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101718\
 Data File : VN051899.D
 Acq On : 17 Oct 2018 9:21
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 3:29:09 PM

Quant Time: Oct 19 04:50:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 04:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	882971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1292865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1100710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	417059	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	46042	5.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.24%	
35) Dibromofluoromethane	7.59	113	42001	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
50) Toluene-d8	10.09	98	150518	5.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.06%	
62) 4-Bromofluorobenzene	12.40	95	43932	4.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	32285	6.04	ug/l	97
3) Chloromethane	2.06	50	29496	5.65	ug/l	98
4) Vinyl Chloride	2.18	62	44754	5.68	ug/l	96
5) Bromomethane	2.56	94	40859	5.44	ug/l	99
6) Chloroethane	2.70	64	32023	5.60	ug/l	99
7) Trichlorofluoromethane	3.01	101	66325	5.46	ug/l	95
8) Diethyl Ether	3.41	74	18554	5.21	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	39073	5.60	ug/l	98
10) Methyl Iodide	3.95	142	32015	3.76	ug/l	99
11) Tert butyl alcohol	4.78	59	13102m	30.31	ug/l	
12) 1,1-Dichloroethene	3.74	96	34774	5.47	ug/l	97
13) Acrolein	3.61	56	11249	31.37	ug/l	91
14) Allyl chloride	4.33	41	38620m	5.79	ug/l	
15) Acrylonitrile	5.00	53	45085	26.03	ug/l	95
16) Acetone	3.82	43	43937	30.31	ug/l	93
17) Carbon Disulfide	4.05	76	77860	4.91	ug/l	99
18) Methyl Acetate	4.33	43	26393	5.46	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	101034	5.52	ug/l	96
20) Methylene Chloride	4.56	84	39861	5.41	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	38985	5.34	ug/l	96
22) Diisopropyl ether	5.95	45	88992	5.55	ug/l	90
23) Vinyl Acetate	5.90	43	293213	26.55	ug/l	99
24) 1,1-Dichloroethane	5.85	63	64028	5.51	ug/l	99
25) 2-Butanone	6.84	43	62364	30.11	ug/l	95
26) 2,2-Dichloropropane	6.82	77	57744	5.26	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	44386	5.23	ug/l	97
28) Bromochloromethane	7.19	49	24632	5.22	ug/l	95
29) Tetrahydrofuran	7.22	42	33786	26.70	ug/l	98
30) Chloroform	7.37	83	72796	5.24	ug/l	98
31) Cyclohexane	7.65	56	65174	5.16	ug/l #	89
32) 1,1,1-Trichloroethane	7.57	97	68222	5.26	ug/l	100
36) 1,1-Dichloropropene	7.80	75	52624	5.24	ug/l	98
37) Ethyl Acetate	6.93	43	22528	5.11	ug/l #	92
38) Carbon Tetrachloride	7.77	117	60219	5.10	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	66717	5.37	ug/l	100
40) Benzene	8.04	78	158820	5.42	ug/l	98
41) Methacrylonitrile	7.19	41	14086m	6.18	ug/l	
42) 1,2-Dichloroethane	8.12	62	52391	5.58	ug/l	100
43) Isopropyl Acetate	8.17	43	51442	5.78	ug/l #	88
44) Trichloroethene	8.84	130	47263	5.14	ug/l	97
45) 1,2-Dichloropropane	9.12	63	37124	5.48	ug/l	98
46) Dibromomethane	9.21	93	25932	5.02	ug/l	97
47) Bromodichloromethane	9.40	83	50045	4.83	ug/l	99
48) Methyl methacrylate	9.20	41	21321	5.26	ug/l	99
49) 1,4-Dioxane	9.20	88	8312	108.03	ug/l #	95
51) 4-Methyl-2-Pentanone	9.99	43	119814	25.65	ug/l	100
52) Toluene	10.16	92	100082	5.10	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	46163	4.70	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	53914	4.93	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	38329	5.33	ug/l	98
56) Ethyl methacrylate	10.43	69	39818	4.96	ug/l	99
57) 1,3-Dichloropropane	10.71	76	56744	5.19	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	85134	25.02	ug/l	97
59) 2-Hexanone	10.75	43	84191	26.88	ug/l	97
60) Dibromochloromethane	10.90	129	37485	4.45	ug/l	100
61) 1,2-Dibromoethane	11.01	107	36488	4.84	ug/l	99
64) Tetrachloroethene	10.63	164	46878	5.31	ug/l	97
65) Chlorobenzene	11.43	112	113579	5.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	40448	4.94	ug/l	96
67) Ethyl Benzene	11.51	91	183878	5.10	ug/l	100
68) m/p-Xylenes	11.62	106	145063	10.02	ug/l	96
69) o-Xylene	11.95	106	71979	5.10	ug/l	97
70) Styrene	11.96	104	103623	4.78	ug/l	97
71) Bromoform	12.13	173	21461	4.21	ug/l #	98
73) Isopropylbenzene	12.25	105	186306	5.77	ug/l	99
74) N-amyl acetate	12.07	43	31036	5.59	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	39380	6.04	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	29091m	5.52	ug/l	
77) Bromobenzene	12.53	156	44790	5.45	ug/l	93
78) n-propylbenzene	12.59	91	194259	5.78	ug/l	97
79) 2-Chlorotoluene	12.67	91	116820	5.71	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	149055	5.71	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	7153	5.11	ug/l #	87
82) 4-Chlorotoluene	12.77	91	109378	5.57	ug/l	97
83) tert-Butylbenzene	12.99	119	139953	5.71	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	146874	5.72	ug/l	97
85) sec-Butylbenzene	13.17	105	174568	5.60	ug/l	99
86) p-Isopropyltoluene	13.29	119	148081	5.48	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	71397	5.16	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	69597	5.11	ug/l	96
89) n-Butylbenzene	13.62	91	104713	5.34	ug/l	98
90) Hexachloroethane	13.87	117	23970	5.30	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	72073	5.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4907	5.61	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	20015	3.45	ug/l	95
94) Hexachlorobutadiene	15.01	225	24595	5.79	ug/l	97
95) Naphthalene	15.13	128	40862	3.54	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	21853	3.79	ug/l	98

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

