

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051266.D
 Acq On : 17 Sep 2018 11:11
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 4:57:49 PM

Quant Time: Sep 18 05:39:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	561513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	774643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	669931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	306652	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	119608	19.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.48%	
35) Dibromofluoromethane	7.59	113	116870	19.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.84%	
50) Toluene-d8	10.09	98	433207	19.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.04%	
62) 4-Bromofluorobenzene	12.40	95	128741	17.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.24%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	109528	19.88	ug/l	99
3) Chloromethane	2.06	50	139059	17.93	ug/l	100
4) Vinyl Chloride	2.19	62	141351	18.90	ug/l	99
5) Bromomethane	2.57	94	79584	15.89	ug/l	99
6) Chloroethane	2.70	64	84361	18.32	ug/l	98
7) Trichlorofluoromethane	3.02	101	195979	19.66	ug/l	100
8) Diethyl Ether	3.41	74	63033	17.51	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	121205	18.97	ug/l	99
10) Methyl Iodide	3.95	142	94204	16.97	ug/l	99
11) Tert butyl alcohol	4.80	59	31341	67.63	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	109454	18.26	ug/l	98
13) Acrolein	3.61	56	47638	87.70	ug/l	99
14) Allyl chloride	4.33	41	158103	17.39	ug/l	100
15) Acrylonitrile	4.99	53	167445	80.06	ug/l	99
16) Acetone	3.82	43	132924	77.09	ug/l	100
17) Carbon Disulfide	4.05	76	332934	16.82	ug/l	100
18) Methyl Acetate	4.33	43	78858	15.88	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	262208	16.74	ug/l	100
20) Methylene Chloride	4.55	84	124766	18.02	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	115958	17.80	ug/l	99
22) Diisopropyl ether	5.95	45	336221	18.65	ug/l	96
23) Vinyl Acetate	5.90	43	1032127	85.02	ug/l	98
24) 1,1-Dichloroethane	5.85	63	210973	18.33	ug/l	99
25) 2-Butanone	6.84	43	179559	74.67	ug/l	100
26) 2,2-Dichloropropane	6.83	77	170540	18.11	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	128141	18.00	ug/l	99
28) Bromochloromethane	7.20	49	96152	19.06	ug/l	95
29) Tetrahydrofuran	7.21	42	115825	77.03	ug/l	99
30) Chloroform	7.37	83	216641	18.93	ug/l	99
31) Cyclohexane	7.66	56	184993	15.94	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	189020	19.29	ug/l	99
36) 1,1-Dichloropropene	7.79	75	163838	19.09	ug/l	99
37) Ethyl Acetate	6.93	43	83015	17.05	ug/l	99
38) Carbon Tetrachloride	7.77	117	170277	19.98	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	170045	18.00	ug/l	98
40) Benzene	8.04	78	492681	19.09	ug/l	98
41) Methacrylonitrile	7.18	41	43144	16.81	ug/l	96
42) 1,2-Dichloroethane	8.13	62	146298	19.43	ug/l	99
43) Isopropyl Acetate	8.17	43	144326	16.82	ug/l	99
44) Trichloroethene	8.84	130	133837	18.90	ug/l	97
45) 1,2-Dichloropropane	9.12	63	128854	19.36	ug/l	99
46) Dibromomethane	9.21	93	74839	18.40	ug/l	99
47) Bromodichloromethane	9.40	83	158835	19.12	ug/l	97
48) Methyl methacrylate	9.20	41	65688	15.68	ug/l	97
49) 1,4-Dioxane	9.20	88	19227	294.39	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	383657	80.94	ug/l	98
52) Toluene	10.16	92	297143	18.89	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	146089	17.71	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	180065	18.56	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	105309	18.50	ug/l	99
56) Ethyl methacrylate	10.43	69	110941	16.47	ug/l	99
57) 1,3-Dichloropropane	10.71	76	171351	18.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	247529	88.49	ug/l	100
59) 2-Hexanone	10.75	43	234441	73.27	ug/l	99
60) Dibromochloromethane	10.90	129	122430	18.91	ug/l	100
61) 1,2-Dibromoethane	11.01	107	100625	18.04	ug/l	100
64) Tetrachloroethene	10.63	164	123772	19.92	ug/l	97
65) Chlorobenzene	11.43	112	320134	18.82	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	123671	20.06	ug/l	99
67) Ethyl Benzene	11.51	91	519667	18.87	ug/l	100
68) m/p-Xylenes	11.62	106	415771	39.24	ug/l	100
69) o-Xylene	11.95	106	193555	18.86	ug/l	96
70) Styrene	11.96	104	303336	19.08	ug/l	99
71) Bromoform	12.13	173	81306	18.85	ug/l #	98
73) Isopropylbenzene	12.25	105	513765	19.90	ug/l	100
74) N-amyl acetate	12.07	43	93648	14.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	120093	17.60	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	103327m	18.84	ug/l	
77) Bromobenzene	12.53	156	131256	18.88	ug/l	99
78) n-propylbenzene	12.59	91	548523	19.33	ug/l	100
79) 2-Chlorotoluene	12.67	91	344062	19.40	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	418952	20.04	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	26379	16.57	ug/l	97
82) 4-Chlorotoluene	12.77	91	334439	19.03	ug/l	98
83) tert-Butylbenzene	12.99	119	361919	19.63	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	415334	20.22	ug/l	99
85) sec-Butylbenzene	13.17	105	461914	19.52	ug/l	100
86) p-Isopropyltoluene	13.29	119	400034	19.96	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	213502	18.15	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	202103	17.45	ug/l	98
89) n-Butylbenzene	13.62	91	265793	17.14	ug/l	100
90) Hexachloroethane	13.87	117	78849	19.13	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	209947	18.35	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14115	14.30	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64411	13.31	ug/l	100
94) Hexachlorobutadiene	15.01	225	70719	17.45	ug/l	99
95) Naphthalene	15.13	128	106841	10.55	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	69667	13.84	ug/l	98

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

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