

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
 Data File : VN053148.D
 Acq On : 22 Dec 2018 22:32
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 9:10:57 AM

Quant Time: Dec 24 01:18:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1028672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1587428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1416101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	608009	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	559715	53.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.24%	
35) Dibromofluoromethane	7.59	113	451073	62.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.40%	
50) Toluene-d8	10.09	98	2045946	52.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.40	95	701037	51.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	495999	47.642	ug/l	100
3) Chloromethane	2.06	50	618545	49.029	ug/l	98
4) Vinyl Chloride	2.19	62	634734	49.678	ug/l	100
5) Bromomethane	2.57	94	433039	48.918	ug/l	100
6) Chloroethane	2.71	64	380899	50.336	ug/l	100
7) Trichlorofluoromethane	3.02	101	803665	50.491	ug/l	99
8) Diethyl Ether	3.41	74	327381	54.521	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	509416	50.196	ug/l	98
10) Methyl Iodide	3.96	142	718033	50.382	ug/l	99
11) Tert butyl alcohol	4.78	59	166680	261.684	ug/l	98
12) 1,1-Dichloroethene	3.74	96	495515	50.539	ug/l	99
13) Acrolein	3.61	56	253428	438.799	ug/l	100
14) Allyl chloride	4.33	41	834551	54.952	ug/l	94
15) Acrylonitrile	4.99	53	981341	277.326	ug/l	99
16) Acetone	3.82	43	610415	298.233	ug/l	97
17) Carbon Disulfide	4.06	76	1365205	42.696	ug/l	100
18) Methyl Acetate	4.33	43	539751	57.941	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1459816	55.638	ug/l	100
20) Methylene Chloride	4.55	84	582070	52.134	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	530435	50.354	ug/l	98
22) Diisopropyl ether	5.95	45	1824898	56.295	ug/l	96
23) Vinyl Acetate	5.90	43	5219226	279.991	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1025833	53.254	ug/l	99
25) 2-Butanone	6.83	43	1034075	301.042	ug/l	98
26) 2,2-Dichloropropane	6.83	77	656421	44.640	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	624610	52.374	ug/l	99
28) Bromochloromethane	7.20	49	460186	55.132	ug/l	98
29) Tetrahydrofuran	7.21	42	728120	283.814	ug/l	99
30) Chloroform	7.37	83	998331	52.758	ug/l	99
31) Cyclohexane	7.66	56	928899	51.446	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	830824	51.540	ug/l	99
36) 1,1-Dichloropropene	7.79	75	768415	50.432	ug/l	99
37) Ethyl Acetate	6.93	43	483585	56.854	ug/l	100
38) Carbon Tetrachloride	7.78	117	704368	50.436	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	877817	47.426	ug/l	98
40) Benzene	8.04	78	2387092	52.671	ug/l	99
41) Methacrylonitrile	7.17	41	289274	58.860	ug/l	95
42) 1,2-Dichloroethane	8.12	62	699534	52.249	ug/l	99
43) Isopropyl Acetate	8.16	43	905769	55.135	ug/l	98
44) Trichloroethene	8.84	130	648836	49.497	ug/l	99
45) 1,2-Dichloropropane	9.12	63	635657	53.847	ug/l	100
46) Dibromomethane	9.21	93	360562	52.432	ug/l	99
47) Bromodichloromethane	9.40	83	763780	52.250	ug/l	99
48) Methyl methacrylate	9.20	41	478054	57.919	ug/l	98
49) 1,4-Dioxane	9.20	88	98948	947.718	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2424561	294.343	ug/l	99
52) Toluene	10.16	92	1483124	52.797	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	778554	50.650	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	907048	51.409	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	529373	54.017	ug/l	98
56) Ethyl methacrylate	10.43	69	732496	56.470	ug/l	98
57) 1,3-Dichloropropane	10.71	76	915058	54.450	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1951665	274.062	ug/l	99
59) 2-Hexanone	10.75	43	1612412	289.318	ug/l	99
60) Dibromochloromethane	10.90	129	582095	51.890	ug/l	99
61) 1,2-Dibromoethane	11.01	107	532003	53.451	ug/l	99
64) Tetrachloroethene	10.63	164	715174	46.623	ug/l	98
65) Chlorobenzene	11.43	112	1630224	51.933	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	571856	52.386	ug/l	99
67) Ethyl Benzene	11.51	91	2812458	52.098	ug/l	100
68) m/p-Xylenes	11.62	106	2095260	102.096	ug/l	100
69) o-Xylene	11.95	106	1037866	52.702	ug/l	100
70) Styrene	11.96	104	1696101	52.819	ug/l	100
71) Bromoform	12.13	173	399805	50.698	ug/l #	99
73) Isopropylbenzene	12.25	105	2713315	57.037	ug/l	99
74) N-amyl acetate	12.07	43	811384	61.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	603190	64.631	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	482161m	47.108	ug/l	
77) Bromobenzene	12.53	156	690909	55.872	ug/l	100
78) n-propylbenzene	12.59	91	3005875	55.480	ug/l	100
79) 2-Chlorotoluene	12.67	91	1776833	52.909	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2076875	53.563	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	167911	52.876	ug/l	97
82) 4-Chlorotoluene	12.77	91	1789531	54.435	ug/l	100
83) tert-Butylbenzene	12.99	119	1838162	53.602	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2079214	53.341	ug/l	99
85) sec-Butylbenzene	13.17	105	2408503	51.925	ug/l	100
86) p-Isopropyltoluene	13.29	119	2040382	50.908	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1129015	51.586	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1110529	50.106	ug/l	100
89) n-Butylbenzene	13.62	91	1617134	46.899	ug/l	100
90) Hexachloroethane	13.88	117	322185	52.383	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1062232	51.570	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81527	50.522	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	496125	45.516	ug/l	100
94) Hexachlorobutadiene	15.01	225	292072	51.793	ug/l	100
95) Naphthalene	15.13	128	1128570	47.274	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	449617	45.796	ug/l	100

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

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