

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
 Data File : VN055374.D
 Acq On : 3 May 2019 3:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 1:08:33 PM

Quant Time: May 03 09:52:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	410558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	673105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	567351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230615	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	266022	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	7.59	113	215307	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	10.09	98	773873	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.40	95	259496	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	212760	42.297	ug/l	98
3) Chloromethane	2.06	50	261618	42.002	ug/l	99
4) Vinyl Chloride	2.19	62	231949	46.197	ug/l	97
5) Bromomethane	2.57	94	125345	47.131	ug/l	98
6) Chloroethane	2.71	64	132278	48.633	ug/l	97
7) Trichlorofluoromethane	3.02	101	328722	46.043	ug/l	100
8) Diethyl Ether	3.42	74	129527	51.856	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	185097	43.538	ug/l	99
10) Methyl Iodide	3.96	142	289229	48.341	ug/l	98
11) Tert butyl alcohol	4.80	59	76321	248.193	ug/l	98
12) 1,1-Dichloroethene	3.74	96	192858	47.553	ug/l	98
13) Acrolein	3.61	56	41110	171.184	ug/l	99
14) Allyl chloride	4.33	41	398862	47.486	ug/l	99
15) Acrylonitrile	5.00	53	435052	251.699	ug/l	99
16) Acetone	3.82	43	320095	191.268	ug/l	100
17) Carbon Disulfide	4.06	76	447070	42.240	ug/l	99
18) Methyl Acetate	4.33	43	220688	54.220	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	604521	53.022	ug/l	98
20) Methylene Chloride	4.56	84	232913	45.596	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	202199	47.076	ug/l	99
22) Diisopropyl ether	5.95	45	866530	51.922	ug/l	95
23) Vinyl Acetate	5.90	43	2860489	261.517	ug/l	100
24) 1,1-Dichloroethane	5.85	63	440844	49.576	ug/l	100
25) 2-Butanone	6.84	43	509850	238.221	ug/l	99
26) 2,2-Dichloropropane	6.82	77	215237	35.053	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	245147	50.189	ug/l	97
28) Bromochloromethane	7.20	49	216549	48.313	ug/l	99
29) Tetrahydrofuran	7.21	42	357025	260.515	ug/l	99
30) Chloroform	7.37	83	412241	48.905	ug/l	98
31) Cyclohexane	7.66	56	372163	44.051	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	332796	48.645	ug/l	99
36) 1,1-Dichloropropene	7.80	75	300062	46.541	ug/l	99
37) Ethyl Acetate	6.93	43	235266	47.612	ug/l	98
38) Carbon Tetrachloride	7.78	117	278477	44.776	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	288843	42.137	ug/l	98
40) Benzene	8.04	78	897358	47.214	ug/l	99
41) Methacrylonitrile	7.17	41	127179	47.592	ug/l	94
42) 1,2-Dichloroethane	8.13	62	318152	47.262	ug/l	100
43) Isopropyl Acetate	8.17	43	415982	52.384	ug/l #	89
44) Trichloroethene	8.84	130	228511	47.162	ug/l	100
45) 1,2-Dichloropropane	9.12	63	261938	47.784	ug/l	99
46) Dibromomethane	9.21	93	142584	47.586	ug/l	100
47) Bromodichloromethane	9.40	83	308744	48.031	ug/l	97
48) Methyl methacrylate	9.20	41	201824	51.699	ug/l	99
49) 1,4-Dioxane	9.21	88	38459	953.018	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1131521	253.086	ug/l	100
52) Toluene	10.16	92	528040	48.421	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	274503	49.192	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	342479	49.225	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	192989	47.657	ug/l	99
56) Ethyl methacrylate	10.43	69	261805	52.525	ug/l	98
57) 1,3-Dichloropropane	10.71	76	347026	48.849	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	307791	201.506	ug/l	99
59) 2-Hexanone	10.75	43	680164	243.143	ug/l	99
60) Dibromochloromethane	10.90	129	207623	50.165	ug/l	100
61) 1,2-Dibromoethane	11.01	107	187341	50.052	ug/l	99
64) Tetrachloroethene	10.63	164	226852	48.894	ug/l	99
65) Chlorobenzene	11.43	112	534188	48.158	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	207861	47.856	ug/l	100
67) Ethyl Benzene	11.51	91	991353	49.492	ug/l	99
68) m/p-Xylenes	11.62	106	715635	100.091	ug/l	97
69) o-Xylene	11.95	106	353578	49.893	ug/l	100
70) Styrene	11.96	104	583342	53.611	ug/l	100
71) Bromoform	12.13	173	123298	51.158	ug/l #	98
73) Isopropylbenzene	12.25	105	941813	51.415	ug/l	100
74) N-amyl acetate	12.07	43	298680	50.466	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	229997	50.358	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	216478m	50.528	ug/l	
77) Bromobenzene	12.53	156	221293	50.316	ug/l	99
78) n-propylbenzene	12.59	91	1033616	43.633	ug/l	99
79) 2-Chlorotoluene	12.67	91	639969	51.272	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	782611	43.287	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	49671	40.817	ug/l	94
82) 4-Chlorotoluene	12.77	91	612264	44.452	ug/l	100
83) tert-Butylbenzene	12.99	119	659340	51.617	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	764871	47.304	ug/l	99
85) sec-Butylbenzene	13.17	105	844890	42.995	ug/l	98
86) p-Isopropyltoluene	13.29	119	733063	45.388	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	359056	46.528	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	349121	48.040	ug/l	99
89) n-Butylbenzene	13.61	91	565966	49.314	ug/l	100
90) Hexachloroethane	13.87	117	120025	46.834	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	364492	47.655	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32092	52.895	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	140984	46.971	ug/l	99
94) Hexachlorobutadiene	15.01	225	118139	51.410	ug/l	96
95) Naphthalene	15.13	128	291001	45.703	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	144514	48.736	ug/l	99

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

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