

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020119\
 Data File : VN053584.D
 Acq On : 1 Feb 2019 18:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:49:39 AM

Quant Time: Feb 01 23:49:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	671816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1029014	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	915030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	441057	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	332371	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.59	113	322720	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.09	98	1189269	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	400602	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	372470	49.184	ug/l	100
3) Chloromethane	2.06	50	390228	48.926	ug/l	100
4) Vinyl Chloride	2.19	62	385960	49.850	ug/l	99
5) Bromomethane	2.57	94	246586	48.710	ug/l	98
6) Chloroethane	2.71	64	219606	49.635	ug/l	99
7) Trichlorofluoromethane	3.02	101	508204	48.403	ug/l	99
8) Diethyl Ether	3.41	74	192182	50.120	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	314121	48.376	ug/l	98
10) Methyl Iodide	3.96	142	487707	47.853	ug/l	99
11) Tert butyl alcohol	4.79	59	101393	254.203	ug/l	100
12) 1,1-Dichloroethene	3.74	96	304669	48.973	ug/l	99
13) Acrolein	3.61	56	48229	222.084	ug/l	98
14) Allyl chloride	4.33	41	496123	50.086	ug/l	99
15) Acrylonitrile	4.99	53	555976	258.199	ug/l	99
16) Acetone	3.82	43	415853	240.554	ug/l	99
17) Carbon Disulfide	4.06	76	905910	46.765	ug/l	100
18) Methyl Acetate	4.32	43	251772	49.177	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	824109	52.255	ug/l	98
20) Methylene Chloride	4.55	84	350074	48.268	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	326799	48.690	ug/l	98
22) Diisopropyl ether	5.95	45	958277	52.211	ug/l	98
23) Vinyl Acetate	5.90	43	3393254	267.248	ug/l	99
24) 1,1-Dichloroethane	5.85	63	608372	49.696	ug/l	99
25) 2-Butanone	6.84	43	618803	250.980	ug/l	100
26) 2,2-Dichloropropane	6.82	77	444023	47.514	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	376436	50.438	ug/l	98
28) Bromochloromethane	7.19	49	253939	47.800	ug/l	98
29) Tetrahydrofuran	7.21	42	412733	260.695	ug/l	99
30) Chloroform	7.37	83	600032	49.445	ug/l	100
31) Cyclohexane	7.65	56	548881	48.151	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	506397	50.142	ug/l	99
36) 1,1-Dichloropropene	7.79	75	455760	49.134	ug/l	99
37) Ethyl Acetate	6.93	43	269849	52.088	ug/l	99
38) Carbon Tetrachloride	7.77	117	447322	47.870	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	532264	48.366	ug/l	99
40) Benzene	8.04	78	1391558	48.648	ug/l	100
41) Methacrylonitrile	7.17	41	155400	53.670	ug/l	94
42) 1,2-Dichloroethane	8.12	62	416808	49.075	ug/l	99
43) Isopropyl Acetate	8.16	43	478690	47.845	ug/l	99
44) Trichloroethene	8.83	130	374081	45.936	ug/l	99
45) 1,2-Dichloropropane	9.12	63	363379	49.667	ug/l	98
46) Dibromomethane	9.21	93	216563	49.103	ug/l	98
47) Bromodichloromethane	9.40	83	453386	49.442	ug/l	98
48) Methyl methacrylate	9.20	41	232285	48.638	ug/l	92
49) 1,4-Dioxane	9.20	88	63982	927.532	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1286843	261.743	ug/l	99
52) Toluene	10.16	92	850028	50.070	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	459622	50.055	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	542418	49.850	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	307768	50.310	ug/l	99
56) Ethyl methacrylate	10.43	69	381226	52.678	ug/l	99
57) 1,3-Dichloropropane	10.71	76	517664	49.514	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1047419	233.908	ug/l	99
59) 2-Hexanone	10.75	43	824049	246.896	ug/l	99
60) Dibromochloromethane	10.90	129	349627	50.682	ug/l	99
61) 1,2-Dibromoethane	11.00	107	296548	48.977	ug/l	99
64) Tetrachloroethene	10.63	164	368053	46.923	ug/l	99
65) Chlorobenzene	11.43	112	928869	47.791	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	336231	49.534	ug/l	99
67) Ethyl Benzene	11.51	91	1566876	49.076	ug/l	99
68) m/p-Xylenes	11.62	106	1217843	99.941	ug/l	99
69) o-Xylene	11.95	106	592107	50.296	ug/l	99
70) Styrene	11.96	104	972676	50.976	ug/l	100
71) Bromoform	12.13	173	236666	50.856	ug/l	100
73) Isopropylbenzene	12.25	105	1529963	49.345	ug/l	99
74) N-amyl acetate	12.07	43	383245	51.402	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	360746	48.615	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	264502m	46.690	ug/l	
77) Bromobenzene	12.53	156	405340	48.507	ug/l	99
78) n-propylbenzene	12.59	91	1772384	49.449	ug/l	100
79) 2-Chlorotoluene	12.68	91	1056117	49.665	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1311510	51.009	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	99082	49.180	ug/l	98
82) 4-Chlorotoluene	12.77	91	1063812	48.752	ug/l	99
83) tert-Butylbenzene	12.99	119	1149606	50.589	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1348873	51.493	ug/l	100
85) sec-Butylbenzene	13.17	105	1551457	50.171	ug/l	100
86) p-Isopropyltoluene	13.29	119	1373467	50.784	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	725235	48.279	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	717668	48.298	ug/l	99
89) n-Butylbenzene	13.62	91	1168792	49.929	ug/l	100
90) Hexachloroethane	13.87	117	222905	49.967	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	707698	49.211	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53309	50.408	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	434334	52.660	ug/l	99
94) Hexachlorobutadiene	15.01	225	254226	49.494	ug/l	99
95) Naphthalene	15.13	128	938318	48.484	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	405530	52.990	ug/l	100

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

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