

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091619\
 Data File : VN058132.D
 Acq On : 16 Sep 2019 20:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:56:43 PM

Quant Time: Sep 17 03:56:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	393830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	635270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	605276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	369514	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	369834	46.36	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.72%		
35) Dibromofluoromethane	7.57	113	270568	46.15	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.30%		
50) Toluene-d8	10.08	98	1038115	45.60	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.20%		
62) 4-Bromofluorobenzene	12.40	95	393748	45.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.78%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	241210	44.287	ug/l	100
3) Chloromethane	2.04	50	208103	37.488	ug/l	99
4) Vinyl Chloride	2.17	62	213217	36.291	ug/l	100
5) Bromomethane	2.53	94	132213	40.667	ug/l	98
6) Chloroethane	2.68	64	135862	36.290	ug/l	99
7) Trichlorofluoromethane	3.00	101	289132	39.106	ug/l	98
8) Diethyl Ether	3.39	74	142913	46.344	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	213954	45.872	ug/l	99
10) Methyl Iodide	3.93	142	231420	44.588	ug/l	99
11) Tert butyl alcohol	4.76	59	211974	219.563	ug/l	99
12) 1,1-Dichloroethene	3.72	96	180237	42.979	ug/l	97
13) Acrolein	3.59	56	135890	165.907	ug/l	100
14) Allyl chloride	4.30	41	359582	43.815	ug/l	99
15) Acrylonitrile	4.96	53	637098	240.088	ug/l	99
16) Acetone	3.79	43	524498	200.579	ug/l	99
17) Carbon Disulfide	4.03	76	247342	37.934	ug/l	99
18) Methyl Acetate	4.30	43	359537	51.568	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	859910	49.272	ug/l	100
20) Methylene Chloride	4.53	84	248934	50.006	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	190914	42.114	ug/l	98
22) Diisopropyl ether	5.93	45	947886	49.251	ug/l	100
23) Vinyl Acetate	5.87	43	3444951	252.570	ug/l	100
24) 1,1-Dichloroethane	5.83	63	493576	46.925	ug/l	100
25) 2-Butanone	6.81	43	865320	228.636	ug/l	99
26) 2,2-Dichloropropane	6.81	77	349811	42.024	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	278773	45.887	ug/l	99
28) Bromochloromethane	7.18	49	241692	45.994	ug/l	95
29) Tetrahydrofuran	7.19	42	539452	231.311	ug/l	100
30) Chloroform	7.36	83	522444	47.504	ug/l	99
31) Cyclohexane	7.64	56	326136	45.289	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	412660	47.310	ug/l	100
36) 1,1-Dichloropropene	7.78	75	316899	43.013	ug/l	100
37) Ethyl Acetate	6.91	43	361418	47.480	ug/l	99
38) Carbon Tetrachloride	7.76	117	325954	48.459	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	323581	41.780	ug/l	96
40) Benzene	8.03	78	1022259	46.087	ug/l	99
41) Methacrylonitrile	7.19	41	535151	154.878	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	429014	48.362	ug/l	100
43) Isopropyl Acetate	8.15	43	650871	50.846	ug/l	99
44) Trichloroethene	8.82	130	250106	45.973	ug/l	100
45) 1,2-Dichloropropane	9.11	63	311163	48.210	ug/l	98
46) Dibromomethane	9.20	93	189615	48.617	ug/l	100
47) Bromodichloromethane	9.40	83	402772	51.715	ug/l	99
48) Methyl methacrylate	9.19	41	310685	47.846	ug/l	99
49) 1,4-Dioxane	9.19	88	89966	819.293	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1948461	257.218	ug/l	99
52) Toluene	10.15	92	649876	46.518	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	417146	50.862	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	456034	50.363	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	296975	50.184	ug/l	97
56) Ethyl methacrylate	10.43	69	447891	50.260	ug/l	99
57) 1,3-Dichloropropane	10.71	76	497112	48.744	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	927715	221.032	ug/l	100
59) 2-Hexanone	10.75	43	1395701	245.815	ug/l	100
60) Dibromochloromethane	10.90	129	288736	52.544	ug/l	99
61) 1,2-Dibromoethane	11.00	107	272424	48.694	ug/l	99
64) Tetrachloroethene	10.63	164	202355	45.279	ug/l	98
65) Chlorobenzene	11.43	112	747794	47.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	279685	50.884	ug/l	99
67) Ethyl Benzene	11.51	91	1337847	48.191	ug/l	99
68) m/p-Xylenes	11.62	106	976128	95.992	ug/l	99
69) o-Xylene	11.95	106	489543	48.425	ug/l	98
70) Styrene	11.97	104	876755	50.394	ug/l	100
71) Bromoform	12.13	173	183026	53.409	ug/l #	98
73) Isopropylbenzene	12.25	105	1370275	47.789	ug/l	100
74) N-amyl acetate	12.07	43	595242	47.701	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	452116	46.831	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	539370	64.525	ug/l #	100
77) Bromobenzene	12.53	156	321948	45.035	ug/l	99
78) n-propylbenzene	12.59	91	1610225	48.905	ug/l	99
79) 2-Chlorotoluene	12.68	91	972468	46.731	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1178627	48.649	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112343	47.295	ug/l	97
82) 4-Chlorotoluene	12.78	91	1014044	47.451	ug/l	99
83) tert-Butylbenzene	13.00	119	1031459	47.896	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1204051	48.899	ug/l	98
85) sec-Butylbenzene	13.18	105	1387877	48.623	ug/l	100
86) p-Isopropyltoluene	13.29	119	1247759	49.613	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	626286	47.729	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	624562	46.892	ug/l	100
89) n-Butylbenzene	13.62	91	1149762	48.410	ug/l	99
90) Hexachloroethane	13.88	117	189037	50.540	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	623422	47.556	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	81456	51.091	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	394192	46.005	ug/l	99
94) Hexachlorobutadiene	15.02	225	174467	48.034	ug/l	99
95) Naphthalene	15.13	128	1109623	51.339	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	365680	48.908	ug/l	99

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

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