

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058232.D
 Acq On : 20 Sep 2019 1:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:37:06 PM

Quant Time: Sep 20 07:54:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	482462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	823210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	753314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	363249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	360342	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
35) Dibromofluoromethane	7.57	113	261645	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.09	98	1022121	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.41	95	376364	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	186179	46.976	ug/l	99
3) Chloromethane	2.03	50	156668	51.310	ug/l	97
4) Vinyl Chloride	2.17	62	168715	50.513	ug/l	100
5) Bromomethane	2.54	94	86295	48.815	ug/l	99
6) Chloroethane	2.68	64	109998	51.454	ug/l	100
7) Trichlorofluoromethane	3.00	101	249170	46.060	ug/l	99
8) Diethyl Ether	3.39	74	122846	49.560	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	183399	47.021	ug/l	100
10) Methyl Iodide	3.93	142	140814	43.085	ug/l	98
11) Tert butyl alcohol	4.75	59	223401	279.485	ug/l	100
12) 1,1-Dichloroethene	3.72	96	149641	50.559	ug/l	98
13) Acrolein	3.59	56	31793	268.391	ug/l	97
14) Allyl chloride	4.30	41	276343	43.299	ug/l	89
15) Acrylonitrile	4.96	53	584510	274.464	ug/l	99
16) Acetone	3.79	43	497489	218.106	ug/l	98
17) Carbon Disulfide	4.03	76	196082	47.079	ug/l	97
18) Methyl Acetate	4.30	43	316500	52.733	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	783070	53.230	ug/l	99
20) Methylene Chloride	4.53	84	213283	53.423	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	162074	50.251	ug/l	97
22) Diisopropyl ether	5.93	45	850354	52.451	ug/l	98
23) Vinyl Acetate	5.87	43	3071910	276.914	ug/l	99
24) 1,1-Dichloroethane	5.83	63	442596	51.151	ug/l	99
25) 2-Butanone	6.82	43	806449	259.515	ug/l	99
26) 2,2-Dichloropropane	6.81	77	285107	38.839	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	247254	50.537	ug/l	99
28) Bromochloromethane	7.18	49	221003	53.991	ug/l	100
29) Tetrahydrofuran	7.19	42	500229	261.332	ug/l	99
30) Chloroform	7.36	83	475437	51.046	ug/l	99
31) Cyclohexane	7.64	56	276799	49.463	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	370710	52.283	ug/l	100
36) 1,1-Dichloropropene	7.78	75	272869	45.964	ug/l	99
37) Ethyl Acetate	6.91	43	320375	52.002	ug/l	100
38) Carbon Tetrachloride	7.76	117	290659	48.706	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	268706	46.818	ug/l	97
40) Benzene	8.03	78	885468	48.834	ug/l	99
41) Methacrylonitrile	7.15	41	150359	48.474	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	381567	50.151	ug/l	100
43) Isopropyl Acetate	8.15	43	576923	50.141	ug/l #	92
44) Trichloroethene	8.82	130	217821	49.090	ug/l	100
45) 1,2-Dichloropropane	9.11	63	279407	51.599	ug/l	99
46) Dibromomethane	9.20	93	166616	50.609	ug/l	100
47) Bromodichloromethane	9.39	83	367669	53.308	ug/l	98
48) Methyl methacrylate	9.19	41	278064	53.226	ug/l	98
49) 1,4-Dioxane	9.19	88	91600	1067.946	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1773695	290.222	ug/l	99
52) Toluene	10.15	92	556319	48.956	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	369458	52.293	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	392627	50.335	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	265042	52.557	ug/l	99
56) Ethyl methacrylate	10.43	69	394181	54.175	ug/l	99
57) 1,3-Dichloropropane	10.71	76	449818	51.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	982087	283.365	ug/l	99
59) 2-Hexanone	10.75	43	1272738	280.403	ug/l	99
60) Dibromochloromethane	10.90	129	266432	54.917	ug/l	99
61) 1,2-Dibromoethane	11.00	107	243037	52.004	ug/l	100
64) Tetrachloroethene	10.63	164	175549	47.805	ug/l	98
65) Chlorobenzene	11.43	112	654073	49.363	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	253894	52.844	ug/l	99
67) Ethyl Benzene	11.51	91	1169327	51.503	ug/l	99
68) m/p-Xylenes	11.62	106	856734	100.190	ug/l	98
69) o-Xylene	11.95	106	428382	50.948	ug/l	99
70) Styrene	11.97	104	772186	53.301	ug/l	99
71) Bromoform	12.13	173	168372	47.464	ug/l #	100
73) Isopropylbenzene	12.25	105	1226924	53.961	ug/l	100
74) N-amyl acetate	12.07	43	546441	57.448	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	405420	53.246	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	312485m	48.067	ug/l	
77) Bromobenzene	12.53	156	285523	49.922	ug/l	98
78) n-propylbenzene	12.60	91	1413849	54.721	ug/l	100
79) 2-Chlorotoluene	12.68	91	856661	53.052	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1039791	54.080	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	99414	46.032	ug/l	98
82) 4-Chlorotoluene	12.78	91	889863	52.426	ug/l	100
83) tert-Butylbenzene	13.00	119	917905	53.534	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1058708	55.332	ug/l	99
85) sec-Butylbenzene	13.18	105	1243555	55.463	ug/l	100
86) p-Isopropyltoluene	13.29	119	1111390	55.756	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	553010	52.938	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	553264	51.878	ug/l	100
89) n-Butylbenzene	13.62	91	1018959	53.919	ug/l	100
90) Hexachloroethane	13.88	117	173467	49.648	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	563724	53.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	77558	56.580	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	363050	54.226	ug/l	99
94) Hexachlorobutadiene	15.01	225	162963	50.360	ug/l	97
95) Naphthalene	15.13	128	1029658	59.343	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	350547	55.396	ug/l	100

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

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