

Data File : VL032742.D
Acq On : 14 Nov 2018 2:27
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Nov 14 05:48:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 05:38:10 2018
QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1618342	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	4067503	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3934974m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	3201727	10.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.00%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.08	85	2078263	11.259	ppbv 100
3) Chlorodifluoromethane	3.02	51	1158296	9.049	ppbv 100
4) Chloromethane	3.18	50	632088	8.886	ppbv 100
5) Vinyl Chloride	3.30	62	650224	8.450	ppbv 100
6) Bromomethane	3.52	94	426909	8.826	ppbv 100
7) Chloroethane	3.61	64	246357	8.662	ppbv 100
8) Dichlorotetrafluoroethane	3.23	85	1603976	9.099	ppbv 100
9) Propene	3.04	41	471833	9.060	ppbv 100
10) Heptane	8.26	43	1955353	9.675	ppbv 100
11) Trichlorofluoromethane	4.01	101	1827729	8.343	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1535400	8.673	ppbv 100
13) Ethanol	3.66	45	118861	8.078	ppbv 100
14) Bromoethene	3.80	108	538229	8.837	ppbv 100
15) Acetone	3.91	43	1144002	7.604	ppbv 100
16) 1,3-Butadiene	3.37	39	594138	10.418	ppbv 100
17) tert-Butyl alcohol	4.37	59	460782	10.842	ppbv 100
18) 1,1-Dichloroethene	4.36	96	824521	10.323	ppbv 100
19) Isopropyl Alcohol	4.03	45	838889	7.999	ppbv 100
20) Methylene Chloride	4.42	84	696725	9.103	ppbv 100
21) Allyl Chloride	4.49	41	1116212	9.274	ppbv 100
22) trans-1,2-Dichloroethene	4.97	96	831194	10.117	ppbv 100
23) Vinyl Acetate	5.17	43	2839178	10.459	ppbv 100
24) 1,1-Dichloroethane	5.10	63	2131892	9.985	ppbv 100
25) Ethyl Acetate	5.78	43	3179544	9.235	ppbv 100
26) Hexane	5.79	57	1465326	9.039	ppbv 100
27) Carbon Disulfide	4.63	76	1832702	9.425	ppbv 100
28) Methyl tert-Butyl Ether	5.12	73	2598011	10.804	ppbv 100
29) Chloroform	5.86	83	2463883	9.394	ppbv 100
30) Cyclohexane	7.26	84	1324146	10.182	ppbv 100
31) cis-1,2-Dichloroethene	5.65	61	1529145	10.100	ppbv 100
32) 1,1,1-Trichloroethane	6.63	97	2650227	9.857	ppbv 100
34) 2-Butanone	5.34	43	2069829	9.481	ppbv 100
35) Carbon Tetrachloride	7.15	117	2891665	9.920	ppbv 100
36) Benzene	7.02	78	3140091	9.555	ppbv 100
37) 1,2-Dichloroethane	6.42	62	2052790	10.050	ppbv 100
38) Trichloroethene	7.97	130	1279535	10.397	ppbv 100
39) 1,2-Dichloropropane	7.74	63	1189428	9.377	ppbv 100
40) 1,4-Dioxane	7.97	88	418250	9.691	ppbv 100
41) Tetrahydrofuran	6.16	42	1242377	10.281	ppbv 100
42) Bromodichloromethane	7.93	83	2822278	9.886	ppbv 100
43) Methyl Methacrylate	8.15	69	1284060	10.634	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5302013	9.444	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1917084	11.856	ppbv	100
46) cis-1,3-Dichloropropene	8.85	75	2183961	11.630	ppbv	100
47) 1,1,2-Trichloroethane	9.62	97	1414829	9.438	ppbv	100
48) Dibromochloromethane	10.46	129	2645817	10.478	ppbv	100
49) Bromoform	13.21	173	2049401	10.337	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	3381492	10.353	ppbv	100
51) 2-Hexanone	10.28	43	2403700	10.225	ppbv	100
52) Tetrachloroethene	11.39	164	1119058	9.719	ppbv	100
53) Toluene	9.96	91	3672530	9.887	ppbv	100
54) 1,2-Dibromoethane	10.77	107	2071776	10.277	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.29	131	1709469	9.780	ppbv	98
57) Chlorobenzene	12.31	112	2824843	9.650	ppbv	100
58) Ethyl Benzene	12.88	91	5003969	10.834	ppbv	100
59) m/p-Xylene	13.14	91	8363187m	20.346	ppbv	
60) o-Xylene	13.86	91	4136167	10.360	ppbv	100
61) Styrene	13.70	104	3101594	11.612	ppbv	100
62) Isopropylbenzene	14.84	105	5730707	10.162	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2861283	9.219	ppbv	100
64) n-propylbenzene	15.74	120	1525252	10.801	ppbv	100
65) tert-Butylbenzene	16.92	119	5224017	10.748	ppbv	100
66) Benzyl Chloride	17.16	91	3220425	12.688	ppbv	100
67) sec-Butylbenzene	17.47	105	7323378	10.612	ppbv	100
69) p-Isopropyltoluene	17.83	119	5972166	10.896	ppbv	100
70) n-Butylbenzene	18.72	91	6112511	10.873	ppbv	100
71) 2-Chlorotoluene	15.63	91	4496700	11.102	ppbv	100
72) 4-Ethyltoluene	16.01	105	4875456	11.345	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	4642938	11.084	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	4715642	10.556	ppbv	100
75) 1,3-Dichlorobenzene	17.18	146	2685422	10.435	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2634744	11.072	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2508951	10.334	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1433785	11.654	ppbv	100
79) Naphthalene	22.42	128	3692499	13.141	ppbv	100
80) Naphthalene,2-methyl-	25.12	142	1254526	18.651	ppbv	100
81) 1,2,4-Trichlorobenzene	22.15	180	1781567	12.398	ppbv	100

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

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