

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021820\
 Data File : VL034646.D
 Acq On : 19 Feb 2020 9:22
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:27:03 PM

Quant Time: Feb 20 00:58:37 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30

QLast Update : Thu Jan 30 17:16:44 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	940386	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1937081	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2105000m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1774297	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1607400	7.761 ppbv	96
3) Chlorodifluoromethane	2.95	51	1156243	10.175 ppbv	100
4) Chloromethane	3.10	50	704168	10.128 ppbv	97
5) Vinyl Chloride	3.22	62	660055	9.939 ppbv	98
6) Bromomethane	3.44	94	366194	10.602 ppbv	100
7) Chloroethane	3.52	64	255373	10.341 ppbv	95
8) Dichlorotetrafluoroethane	3.15	85	1657503	10.238 ppbv	98
9) Propene	2.97	41	446881	10.101 ppbv	98
10) Heptane	8.13	43	1184559	10.639 ppbv	99
11) Trichlorofluoromethane	3.92	101	1948486	10.356 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1310487	10.675 ppbv	99
13) Ethanol	3.57	45	109095	9.206 ppbv	95
14) Bromoethene	3.71	108	519596	10.790 ppbv	98
15) Acetone	3.82	43	1328333	9.611 ppbv	99
16) 1,3-Butadiene	3.29	39	585950	10.676 ppbv	98
17) tert-Butyl alcohol	4.27	59	1276873	12.563 ppbv	100
18) 1,1-Dichloroethene	4.26	96	573021	11.057 ppbv	99
19) Isopropyl Alcohol	3.94	45	990107	12.276 ppbv	# 98
20) Methylene Chloride	4.32	84	501516	9.530 ppbv	97
21) Allyl Chloride	4.39	41	919199	10.709 ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	594791	10.959 ppbv	96
23) Vinyl Acetate	5.06	43	1627860	10.324 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1348595	10.244 ppbv	99
25) Ethyl Acetate	5.67	43	2228817	9.961 ppbv	100
26) Hexane	5.68	57	968967	10.339 ppbv	97
27) Carbon Disulfide	4.53	76	1476541	11.676 ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1664955	10.417 ppbv	100
29) Chloroform	5.75	83	1673375	10.098 ppbv	100
30) Cyclohexane	7.13	84	760080	10.945 ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1021479	10.490 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1753270	9.853 ppbv	99
34) 2-Butanone	5.23	43	1388822	9.874 ppbv	99
35) Carbon Tetrachloride	7.02	117	1903823	10.280 ppbv	99
36) Benzene	6.90	78	1799382	10.445 ppbv	96
37) 1,2-Dichloroethane	6.31	62	1463613	10.184 ppbv	100
38) Trichloroethene	7.85	130	791905	10.906 ppbv	98
39) 1,2-Dichloropropane	7.62	63	722763	10.121 ppbv	97
40) 1,4-Dioxane	7.84	88	302668	11.026 ppbv	# 1
41) Tetrahydrofuran	6.04	42	740691	10.095 ppbv	99
42) Bromodichloromethane	7.80	83	1838064	10.391 ppbv	99
43) Methyl Methacrylate	8.02	69	765249	11.045 ppbv	98

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 QLast Update : Thu Jan 30 17:16:44 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3221910	10.309	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1071451	11.810	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1192859	11.568	ppbv	94
47) 1,1,2-Trichloroethane	9.50	97	778351	10.063	ppbv	98
48) Dibromochloromethane	10.33	129	1516786	10.702	ppbv	99
49) Bromoform	13.08	173	1317119	10.585	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2093265	10.436	ppbv	100
51) 2-Hexanone	10.15	43	1687777	10.689	ppbv #	100
52) Tetrachloroethene	11.25	164	704591	10.182	ppbv	97
53) Toluene	9.83	91	2117559	11.190	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1193324	10.296	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.16	131	1009110	9.710	ppbv	97
57) Chlorobenzene	12.18	112	1671788	9.652	ppbv	97
58) Ethyl Benzene	12.74	91	2912990	10.342	ppbv	97
59) m/p-Xylene	13.03	91	4917055m	19.747	ppbv	
60) o-Xylene	13.73	91	2493410	9.971	ppbv	99
61) Styrene	13.56	104	1771370	10.624	ppbv	99
62) Isopropylbenzene	14.70	105	3228543	9.963	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1726692	8.928	ppbv	99
64) n-propylbenzene	15.60	120	837238m	10.042	ppbv	
65) tert-Butylbenzene	16.79	119	2996899	10.208	ppbv	100
66) Benzyl Chloride	17.03	91	1405902	11.421	ppbv	100
67) sec-Butylbenzene	17.33	105	4137590	10.255	ppbv	98
69) p-Isopropyltoluene	17.69	119	3514452	10.728	ppbv	100
70) n-Butylbenzene	18.59	91	3815871	10.973	ppbv	100
71) 2-Chlorotoluene	15.49	91	2513003	10.216	ppbv	100
72) 4-Ethyltoluene	15.88	105	2840399	10.341	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2753341	10.258	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	2957157	9.952	ppbv #	91
75) 1,3-Dichlorobenzene	17.04	146	1720856	10.058	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1726738	10.240	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1716317	10.443	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1735699m	11.043	ppbv	
79) Naphthalene	22.26	128	3089688	13.208	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1048131	11.646	ppbv	98
81) 1,2,4-Trichlorobenzene	21.99	180	1869861	12.966	ppbv	99

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

