

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034936.D
 Acq On : 6 May 2020 10:07
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:29:26 PM

Quant Time: May 06 12:40:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1218700	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2855402	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2818339	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2215206	10.08	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1300516	7.793 ppbv	98
3) Chlorodifluoromethane	2.95	51	1188455	8.730 ppbv	98
4) Chloromethane	3.11	50	687029	8.929 ppbv	97
5) Vinyl Chloride	3.22	62	679416	9.185 ppbv	94
6) Bromomethane	3.44	94	407336	9.460 ppbv	90
7) Chloroethane	3.52	64	251673	9.422 ppbv	96
8) Dichlorotetrafluoroethane	3.15	85	1520638	8.774 ppbv	95
9) Propene	2.97	41	537690	8.272 ppbv	99
10) Heptane	8.13	43	1451587	9.074 ppbv	97
11) Trichlorofluoromethane	3.92	101	1564914	8.814 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1110384	8.936 ppbv	95
13) Ethanol	3.57	45	162801	8.239 ppbv	93
14) Bromoethene	3.71	108	494769	9.219 ppbv	100
15) Acetone	3.82	43	1221391	7.733 ppbv	98
16) 1,3-Butadiene	3.29	39	618960	8.665 ppbv	98
17) tert-Butyl alcohol	4.27	59	1282209	8.426 ppbv	99
18) 1,1-Dichloroethene	4.27	96	517363	9.402 ppbv	96
19) Isopropyl Alcohol	3.94	45	940674	9.430 ppbv	# 40
20) Methylene Chloride	4.32	84	453373	9.078 ppbv	92
21) Allyl Chloride	4.39	41	878920	8.664 ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	522870	9.366 ppbv	97
23) Vinyl Acetate	5.06	43	1908748	8.181 ppbv	98
24) 1,1-Dichloroethane	5.00	63	1384427	8.851 ppbv	99
25) Ethyl Acetate	5.67	43	2431213	8.639 ppbv	100
26) Hexane	5.68	57	1071574	8.843 ppbv	99
27) Carbon Disulfide	4.53	76	1380790	10.042 ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1672256	8.294 ppbv	100
29) Chloroform	5.75	83	1662283	8.991 ppbv	99
30) Cyclohexane	7.14	84	895202	8.854 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1085967	8.763 ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1594167	8.849 ppbv	97
34) 2-Butanone	5.23	43	1595181	8.406 ppbv	99
35) Carbon Tetrachloride	7.03	117	1664314	9.371 ppbv	99
36) Benzene	6.90	78	2158018	8.479 ppbv	98
37) 1,2-Dichloroethane	6.31	62	1291191	8.997 ppbv	98
38) Trichloroethene	7.85	130	816323	8.445 ppbv	97
39) 1,2-Dichloropropane	7.63	63	848961	8.419 ppbv	96
40) 1,4-Dioxane	7.84	88	342883	9.004 ppbv	# 99
41) Tetrahydrofuran	6.04	42	906642	8.830 ppbv	99
42) Bromodichloromethane	7.81	83	1782973	9.116 ppbv	97
43) Methyl Methacrylate	8.03	69	990256	9.235 ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034936.D
 Acq On : 6 May 2020 10:07
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:29:26 PM

Quant Time: May 06 12:40:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	3724723	8.660	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1120153	8.892	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1311620	8.762	ppbv	95
47) 1,1,2-Trichloroethane	9.50	97	888925	8.590	ppbv	96
48) Dibromochloromethane	10.33	129	1485816	8.866	ppbv	99
49) Bromoform	13.08	173	1316985	8.813	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2384830	8.731	ppbv	99
51) 2-Hexanone	10.16	43	1970597	8.877	ppbv #	99
52) Tetrachloroethene	11.26	164	746178	7.411	ppbv	98
53) Toluene	9.83	91	2482218	8.445	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1352678	8.683	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1104434	8.724	ppbv	97
57) Chlorobenzene	12.18	112	1860748	8.438	ppbv	95
58) Ethyl Benzene	12.74	91	3337768	8.745	ppbv	97
59) m/p-Xylene	13.03	91	5514037m	17.245	ppbv	
60) o-Xylene	13.73	91	2723914	8.725	ppbv	98
61) Styrene	13.57	104	1954377	8.920	ppbv	97
62) Isopropylbenzene	14.71	105	4022174	8.520	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1921771	9.067	ppbv	100
64) n-propylbenzene	15.61	120	1056601	8.600	ppbv	94
65) tert-Butylbenzene	16.79	119	3421250	8.290	ppbv	97
66) Benzyl Chloride	17.04	91	1431997	8.322	ppbv	98
67) sec-Butylbenzene	17.34	105	4908357	8.578	ppbv	99
69) p-Isopropyltoluene	17.70	119	4045351	8.431	ppbv	98
70) n-Butylbenzene	18.60	91	4234283	8.649	ppbv	98
71) 2-Chlorotoluene	15.50	91	3112976	8.708	ppbv	98
72) 4-Ethyltoluene	15.88	105	3134867	8.502	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	2966090	8.594	ppbv	96
74) 1,2,4-Trimethylbenzene	16.81	105	3049887	8.577	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	1726657	8.053	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	1732047	8.095	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1671875	8.044	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1338682	7.712	ppbv	99
79) Naphthalene	22.27	128	3048791	10.994	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1276793	17.618	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1602883	9.098	ppbv	99

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

