

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\
 Data File : VL034841.D
 Acq On : 9 Mar 2020 11:29
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:25:55 PM

Quant Time: Mar 09 16:21:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 15:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	950659	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2207975	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2321128m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1772884	9.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1000931	6.452	ppbv 100
3) Chlorodifluoromethane	2.94	51	966054	8.920	ppbv 100
4) Chloromethane	3.10	50	557453	9.556	ppbv 100
5) Vinyl Chloride	3.22	62	541675	8.789	ppbv 100
6) Bromomethane	3.44	94	312360	9.286	ppbv 100
7) Chloroethane	3.52	64	192333	9.026	ppbv 100
8) Dichlorotetrafluoroethane	3.15	85	1211388	8.988	ppbv 100
9) Propene	2.97	41	460177	10.794	ppbv 100
10) Heptane	8.13	43	1188718	10.972	ppbv 100
11) Trichlorofluoromethane	3.92	101	1235433	8.899	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	873018	9.114	ppbv 100
13) Ethanol	3.57	45	117181	8.022	ppbv 100
14) Bromoethene	3.70	108	393320	10.007	ppbv 100
15) Acetone	3.82	43	986498	8.666	ppbv 100
16) 1,3-Butadiene	3.29	39	515405	10.007	ppbv 100
17) tert-Butyl alcohol	4.26	59	1040069	11.587	ppbv 100
18) 1,1-Dichloroethene	4.26	96	398136	9.425	ppbv 100
19) Isopropyl Alcohol	3.94	45	679728	9.965	ppbv 100
20) Methylene Chloride	4.31	84	346274	8.523	ppbv 100
21) Allyl Chloride	4.38	41	732006	10.154	ppbv 100
22) trans-1,2-Dichloroethene	4.86	96	401478	9.736	ppbv 100
23) Vinyl Acetate	5.06	43	1708866	11.194	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1124960	9.495	ppbv 100
25) Ethyl Acetate	5.66	43	1992774	10.130	ppbv 100
26) Hexane	5.67	57	879290	10.231	ppbv 99
27) Carbon Disulfide	4.53	76	1066498	10.623	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	1482007	11.586	ppbv 100
29) Chloroform	5.74	83	1303066	9.007	ppbv 100
30) Cyclohexane	7.13	84	751354	11.428	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	906803	10.287	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	1331762	9.316	ppbv 100
34) 2-Butanone	5.23	43	1320024	9.189	ppbv 100
35) Carbon Tetrachloride	7.02	117	1371726	8.233	ppbv 100
36) Benzene	6.89	78	1804613	9.565	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1029103	7.985	ppbv 100
38) Trichloroethene	7.84	130	687795	9.353	ppbv 100
39) 1,2-Dichloropropane	7.62	63	707816	9.296	ppbv 100
40) 1,4-Dioxane	7.84	88	253420	9.623	ppbv # 100
41) Tetrahydrofuran	6.04	42	764766	10.434	ppbv 100
42) Bromodichloromethane	7.80	83	1452243	8.906	ppbv 100
43) Methyl Methacrylate	8.02	69	797938	9.980	ppbv 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\
 Data File : VL034841.D
 Acq On : 9 Mar 2020 11:29
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:25:55 PM

Quant Time: Mar 09 16:21:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:21:36 2020
 QLast Update : Mon Mar 09 15:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3064536	9.295	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	994834	11.853	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1140053	11.124	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	743203	9.245	ppbv	100
48) Dibromochloromethane	10.33	129	1281607	10.195	ppbv	100
49) Bromoform	13.07	173	1188493	10.835	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1980080	9.620	ppbv	100
51) 2-Hexanone	10.15	43	1653162	10.239	ppbv	100
52) Tetrachloroethene	11.25	164	683276	9.802	ppbv	100
53) Toluene	9.82	91	2123425	10.634	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1141798	9.606	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	969004	9.422	ppbv	98
57) Chlorobenzene	12.17	112	1595175	8.997	ppbv	100
58) Ethyl Benzene	12.74	91	2855935	9.984	ppbv	100
59) m/p-Xylene	13.02	91	4669652m	18.859	ppbv	
60) o-Xylene	13.72	91	2276835	9.088	ppbv	100
61) Styrene	13.56	104	1731178	11.139	ppbv	100
62) Isopropylbenzene	14.70	105	3445036	9.343	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1580840	8.005	ppbv	100
64) n-propylbenzene	15.59	120	926573	10.022	ppbv	100
65) tert-Butylbenzene	16.78	119	3019254	9.689	ppbv	100
66) Benzyl Chloride	17.03	91	1459623	14.489	ppbv	100
67) sec-Butylbenzene	17.33	105	4276822	9.419	ppbv	100
69) p-Isopropyltoluene	17.69	119	3640720	9.908	ppbv	100
70) n-Butylbenzene	18.59	91	3717188	9.251	ppbv	100
71) 2-Chlorotoluene	15.49	91	2638637	9.475	ppbv	100
72) 4-Ethyltoluene	15.87	105	2792249	10.010	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	2615781	9.776	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	2681904	9.220	ppbv	100
75) 1,3-Dichlorobenzene	17.03	146	1570753	9.122	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1592165	9.663	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1560508	9.474	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1302523	9.476	ppbv	100
79) Naphthalene	22.25	128	2705466	12.377	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1204283	23.068	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1564727	11.324	ppbv	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030920\
Data File : VL034841.D
Acq On : 9 Mar 2020 11:29
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:25:55 PM

Quant Time: Mar 09 16:21:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 09 15:34:13 2020
Response via : Initial Calibration

