

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032320\
 Data File : VL034934.D
 Acq On : 23 Mar 2020 18:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 3/25/2020 11:54:28 AM

Quant Time: Mar 24 04:34:47 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 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1027405	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2238684	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2421474	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1910593	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	726336	5.163 ppbv	99
3) Chlorodifluoromethane	2.94	51	1058096	9.219 ppbv	98
4) Chloromethane	3.10	50	638696	9.847 ppbv	100
5) Vinyl Chloride	3.22	62	606300	9.722 ppbv	90
6) Bromomethane	3.44	94	365527	10.069 ppbv	94
7) Chloroethane	3.52	64	220616	9.797 ppbv	93
8) Dichlorotetrafluoroethane	3.15	85	1322577	9.052 ppbv	94
9) Propene	2.97	41	496901	9.068 ppbv	97
10) Heptane	8.12	43	1345556	9.978 ppbv	99
11) Trichlorofluoromethane	3.92	101	1410873	9.426 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1003026	9.575 ppbv	95
13) Ethanol	3.57	45	143855	8.635 ppbv	94
14) Bromoethene	3.71	108	436071	9.639 ppbv	99
15) Acetone	3.82	43	1156186	8.683 ppbv	99
16) 1,3-Butadiene	3.29	39	573733	9.528 ppbv	100
17) tert-Butyl alcohol	4.27	59	979273	7.633 ppbv	98
18) 1,1-Dichloroethene	4.26	96	453157	9.768 ppbv	99
19) Isopropyl Alcohol	3.94	45	735740	8.749 ppbv	# 41
20) Methylene Chloride	4.32	84	423522	10.060 ppbv	94
21) Allyl Chloride	4.39	41	778796	9.106 ppbv	100
22) trans-1,2-Dichloroethene	4.86	96	451872	9.601 ppbv	98
23) Vinyl Acetate	5.06	43	1794288	9.122 ppbv	# 99
24) 1,1-Dichloroethane	4.99	63	1229961	9.327 ppbv	99
25) Ethyl Acetate	5.67	43	2204588	9.293 ppbv	100
26) Hexane	5.67	57	991746	9.708 ppbv	98
27) Carbon Disulfide	4.53	76	1176284	10.147 ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1451422	8.539 ppbv	100
29) Chloroform	5.75	83	1510222	9.689 ppbv	95
30) Cyclohexane	7.13	84	816808	9.583 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	982639	9.406 ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	1438767	9.473 ppbv	98
34) 2-Butanone	5.23	43	1450846	9.752 ppbv	100
35) Carbon Tetrachloride	7.02	117	1471873	10.571 ppbv	96
36) Benzene	6.89	78	1940807	9.726 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1157482	10.287 ppbv	98
38) Trichloroethene	7.84	130	743084	9.805 ppbv	98
39) 1,2-Dichloropropane	7.62	63	770206	9.742 ppbv	94
40) 1,4-Dioxane	7.83	88	269672	9.032 ppbv	# 89
41) Tetrahydrofuran	6.04	42	814290	10.115 ppbv	100
42) Bromodichloromethane	7.80	83	1586507	10.346 ppbv	98
43) Methyl Methacrylate	8.02	69	881479	10.485 ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032320\
 Data File : VL034934.D
 Acq On : 23 Mar 2020 18:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 3/25/2020 11:54:28 AM

Quant Time: Mar 24 04:34:47 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 16:42:53 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.87	57	3425011	10.157	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	990309	10.027	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1166776	9.941	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	808705	9.967	ppbv	97
48) Dibromochloromethane	10.32	129	1337161	10.177	ppbv	98
49) Bromoform	13.07	173	1177494	10.051	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2209617	10.318	ppbv	99
51) 2-Hexanone	10.14	43	1817162	10.441	ppbv #	99
52) Tetrachloroethene	11.24	164	680274	8.617	ppbv	97
53) Toluene	9.82	91	2272053	9.860	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1220272	9.991	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1003499	9.226	ppbv	99
57) Chlorobenzene	12.17	112	1708620	9.018	ppbv	96
58) Ethyl Benzene	12.73	91	3112107	9.490	ppbv	96
59) m/p-Xylene	13.02	91	5140721m	18.712	ppbv	
60) o-Xylene	13.72	91	2539777	9.468	ppbv	99
61) Styrene	13.55	104	1833813	9.742	ppbv	97
62) Isopropylbenzene	14.70	105	3753333	9.254	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1852284	10.172	ppbv	99
64) n-propylbenzene	15.59	120	996302	9.438	ppbv	92
65) tert-Butylbenzene	16.78	119	3243549	9.148	ppbv	97
66) Benzyl Chloride	17.03	91	1270025	8.590	ppbv	95
67) sec-Butylbenzene	17.33	105	4707123	9.574	ppbv	99
69) p-Isopropyltoluene	17.69	119	3891890	9.441	ppbv	99
70) n-Butylbenzene	18.59	91	4203024	9.992	ppbv	99
71) 2-Chlorotoluene	15.48	91	2908771	9.470	ppbv	99
72) 4-Ethyltoluene	15.87	105	3044154	9.610	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2843215	9.588	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	2973855	9.734	ppbv	99
75) 1,3-Dichlorobenzene	17.03	146	1698941	9.223	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1677837	9.127	ppbv	98
77) 1,2-Dichlorobenzene	17.85	146	1668065	9.341	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1367331	9.168	ppbv	99
79) Naphthalene	22.25	128	2786307	11.694	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1126979	18.100	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1608093m	10.623	ppbv	

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032320\
Data File : VL034934.D
Acq On : 23 Mar 2020 18:00
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations
APPROVED

apatel
3/25/2020 11:54:28 AM

Quant Time: Mar 24 04:34:47 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 16:42:53 2020
Response via : Initial Calibration

