

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121719\
 Data File : VL034495.D
 Acq On : 17 Dec 2019 15:55
 Operator : SY/AP
 Sample : VL1217ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 3:46:55 PM

Quant Time: Dec 18 04:58:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	962235	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1939772	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2008884m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1702687	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1411576	8.109	ppbv	96
3) Chlorodifluoromethane	2.96	51	1099676	9.160	ppbv	98
4) Chloromethane	3.11	50	589485	8.324	ppbv	96
5) Vinyl Chloride	3.23	62	571826	8.619	ppbv	95
6) Bromomethane	3.45	94	324925	9.733	ppbv	93
7) Chloroethane	3.54	64	216334	8.983	ppbv	92
8) Dichlorotetrafluoroethane	3.16	85	1374811	8.795	ppbv	99
9) Propene	2.98	41	427899	8.028	ppbv	99
10) Heptane	8.15	43	1177601	8.561	ppbv	99
11) Trichlorofluoromethane	3.94	101	1583143	9.138	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1038781	9.029	ppbv	99
13) Ethanol	3.59	45	111238	7.492	ppbv	89
14) Bromoethene	3.72	108	415863	8.890	ppbv	99
15) Acetone	3.83	43	1128347	8.189	ppbv	99
16) 1,3-Butadiene	3.30	39	523369	8.720	ppbv	97
17) tert-Butyl alcohol	4.29	59	1148860	9.919	ppbv	99
18) 1,1-Dichloroethene	4.28	96	463669	9.213	ppbv	95
19) Isopropyl Alcohol	3.96	45	897781	10.165	ppbv #	99
20) Methylene Chloride	4.34	84	398193	8.150	ppbv	94
21) Allyl Chloride	4.41	41	757311	9.172	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	451306	8.896	ppbv	99
23) Vinyl Acetate	5.08	43	1627847	9.044	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1188909	8.599	ppbv	100
25) Ethyl Acetate	5.69	43	2005099	8.155	ppbv	99
26) Hexane	5.70	57	874324	8.275	ppbv	98
27) Carbon Disulfide	4.55	76	1165620	10.129	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1521436	8.684	ppbv	99
29) Chloroform	5.77	83	1459535	8.531	ppbv	98
30) Cyclohexane	7.16	84	702853	8.800	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	923948	8.463	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	1510767	9.418	ppbv	99
34) 2-Butanone	5.25	43	1335145	8.362	ppbv	99
35) Carbon Tetrachloride	7.04	117	1602782	9.610	ppbv	97
36) Benzene	6.92	78	1661434	8.568	ppbv	97
37) 1,2-Dichloroethane	6.33	62	1274147	8.845	ppbv	100
38) Trichloroethene	7.87	130	670247	8.423	ppbv	98
39) 1,2-Dichloropropane	7.65	63	684694	9.165	ppbv	96
40) 1,4-Dioxane	7.86	88	253601	7.771	ppbv #	98
41) Tetrahydrofuran	6.06	42	744442	8.313	ppbv	99
42) Bromodichloromethane	7.83	83	1617667	8.979	ppbv	99
43) Methyl Methacrylate	8.04	69	709129	8.817	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121719\
 Data File : VL034495.D
 Acq On : 17 Dec 2019 15:55
 Operator : SY/AP
 Sample : VL1217ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 3:46:55 PM

Quant Time: Dec 18 04:58:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3015327	8.509	ppbv	99
45) t-1,3-Dichloropropene	9.32	75	936051	9.075	ppbv	98
46) cis-1,3-Dichloropropene	8.74	75	1053290	9.091	ppbv	98
47) 1,1,2-Trichloroethane	9.52	97	721687	8.684	ppbv	96
48) Dibromochloromethane	10.35	129	1371199	9.610	ppbv	100
49) Bromoform	13.10	173	1219511	9.575	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2013144	8.714	ppbv	99
51) 2-Hexanone	10.18	43	1683273	8.699	ppbv	97
52) Tetrachloroethene	11.28	164	621876	7.412	ppbv	98
53) Toluene	9.85	91	1929413	8.760	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1137155	8.926	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.18	131	919241	9.355	ppbv	97
57) Chlorobenzene	12.20	112	1515941	8.348	ppbv	99
58) Ethyl Benzene	12.76	91	2705277	8.678	ppbv	98
59) m/p-Xylene	13.05	91	4481040m	16.628	ppbv	
60) o-Xylene	13.75	91	2283705	8.571	ppbv	100
61) Styrene	13.58	104	1623288	8.448	ppbv	100
62) Isopropylbenzene	14.73	105	3042742	8.635	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1663823	8.308	ppbv	100
64) n-propylbenzene	15.62	120	792880	8.664	ppbv	97
65) tert-Butylbenzene	16.81	119	2761212	8.723	ppbv	100
66) Benzyl Chloride	17.05	91	1321354	10.851	ppbv	100
67) sec-Butylbenzene	17.36	105	3844096	8.682	ppbv	100
69) p-Isopropyltoluene	17.72	119	3202336	8.715	ppbv	100
70) n-Butylbenzene	18.62	91	3403943	8.609	ppbv	99
71) 2-Chlorotoluene	15.52	91	2393168	8.517	ppbv	99
72) 4-Ethyltoluene	15.90	105	2618550	8.506	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2548841	8.458	ppbv	97
74) 1,2,4-Trimethylbenzene	16.83	105	2666106	8.329	ppbv #	88
75) 1,3-Dichlorobenzene	17.07	146	1482554m	8.057	ppbv	
76) 1,4-Dichlorobenzene	17.21	146	1482541	8.298	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1469907	8.271	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1208824	7.917	ppbv	100
79) Naphthalene	22.29	128	2266113	8.166	ppbv	99
80) Naphthalene, 2-methyl-	25.04	142	413065	3.296	ppbv	96
81) 1,2,4-Trichlorobenzene	22.02	180	1287149	7.550	ppbv	100

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121719\
Data File : VL034495.D
Acq On : 17 Dec 2019 15:55
Operator : SY/AP
Sample : VL1217ABS01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampled :
VL1217ABS01

Manual Integrations
APPROVED

MMDadoda
12/19/2019 3:46:55 PM

Quant Time: Dec 18 04:58:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

