

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035657.D
 Acq On : 17 Sep 2020 14:26
 Operator : SY/AP
 Sample : VL0917ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0917ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:11:17 PM

Quant Time: Sep 18 04:11:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1142639	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4613146	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4915533m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3391772	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1677806	8.473	ppbv	100
3) Chlorodifluoromethane	2.98	51	1178827	9.328	ppbv	99
4) Chloromethane	3.13	50	635864	9.392	ppbv	99
5) Vinyl Chloride	3.25	62	760617	9.112	ppbv	100
6) Bromomethane	3.47	94	659562	9.407	ppbv	99
7) Chloroethane	3.55	64	287458	9.740	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2180415	9.092	ppbv	93
9) Propene	3.00	41	449661	9.230	ppbv	99
10) Heptane	8.13	43	1299434	9.930	ppbv	100
11) Trichlorofluoromethane	3.95	101	2580941	8.938	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1963628	9.009	ppbv	94
13) Ethanol	3.60	45	92138	7.628	ppbv	98
14) Bromoethene	3.74	108	880733	9.388	ppbv	99
15) Acetone	3.85	43	1021162	8.103	ppbv	99
16) 1,3-Butadiene	3.32	39	472065	10.063	ppbv	99
17) tert-Butyl alcohol	4.29	59	1277480	8.328	ppbv	100
18) 1,1-Dichloroethene	4.29	96	907483	9.455	ppbv	95
19) Isopropyl Alcohol	3.97	45	603646	8.029	ppbv #	98
20) Methylene Chloride	4.34	84	782333	8.335	ppbv	96
21) Allyl Chloride	4.41	41	630053	10.671	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	962133	9.416	ppbv	94
23) Vinyl Acetate	5.08	43	1612926	9.972	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1589443	9.549	ppbv	100
25) Ethyl Acetate	5.68	43	2138907	9.607	ppbv	99
26) Hexane	5.69	57	1218146	9.657	ppbv	99
27) Carbon Disulfide	4.55	76	1981925	10.949	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2123874	9.660	ppbv	99
29) Chloroform	5.76	83	2418408	9.410	ppbv	99
30) Cyclohexane	7.14	84	1342975	9.938	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1284982	9.929	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	2361531	9.471	ppbv	98
34) 2-Butanone	5.25	43	1470119	10.738	ppbv	99
35) Carbon Tetrachloride	7.03	117	2454718	10.587	ppbv	99
36) Benzene	6.90	78	3084420	10.329	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1488479	10.455	ppbv	99
38) Trichloroethene	7.84	130	1555391	8.967	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1049088	10.400	ppbv	97
40) 1,4-Dioxane	7.84	88	474089	9.408	ppbv #	62
41) Tetrahydrofuran	6.05	42	828136	11.407	ppbv	99
42) Bromodichloromethane	7.80	83	2535980	11.015	ppbv	99
43) Methyl Methacrylate	8.02	69	1299770	11.257	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035657.D
 Acq On : 17 Sep 2020 14:26
 Operator : SY/AP
 Sample : VL0917ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:11:17 PM

Quant Time: Sep 18 04:11:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4054448	10.319	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1467179	12.543	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1745086	12.016	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1514696	10.176	ppbv	98
48) Dibromochloromethane	10.32	129	2559144	10.924	ppbv	100
49) Bromoform	13.06	173	2306746	10.865	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2170133	10.947	ppbv	100
51) 2-Hexanone	10.15	43	1837798	11.301	ppbv #	99
52) Tetrachloroethene	11.24	164	1512323	8.669	ppbv	97
53) Toluene	9.82	91	3900948	10.388	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2390938	10.166	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1981347	9.906	ppbv	99
57) Chlorobenzene	12.17	112	3306513	9.140	ppbv	97
58) Ethyl Benzene	12.73	91	5069281	10.001	ppbv	98
59) m/p-Xylene	13.01	91	8414285m	19.866	ppbv	
60) o-Xylene	13.72	91	4212669	9.875	ppbv	99
61) Styrene	13.55	104	3393230	10.400	ppbv	98
62) Isopropylbenzene	14.69	105	6420207	9.369	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	3057841	9.246	ppbv	99
64) n-propylbenzene	15.59	120	1999311	9.561	ppbv	91
65) tert-Butylbenzene	16.77	119	5984131	9.394	ppbv	97
66) Benzyl Chloride	17.01	91	2295722	14.501	ppbv	97
67) sec-Butylbenzene	17.32	105	7964767	9.385	ppbv	97
69) p-Isopropyltoluene	17.68	119	6866495	9.224	ppbv	98
70) n-Butylbenzene	18.58	91	6817381	9.507	ppbv	98
71) 2-Chlorotoluene	15.48	91	4915351	9.850	ppbv	96
72) 4-Ethyltoluene	15.86	105	5317219	9.804	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4919606	9.808	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	5127239	9.308	ppbv	98
75) 1,3-Dichlorobenzene	17.02	146	3508569	8.599	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	3517957	8.742	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	3449741	8.726	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	2015752	7.987	ppbv	100
79) Naphthalene	22.23	128	5803001	9.494	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	2129398	10.207	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	3013235	8.232	ppbv	100

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

