

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035684.D
 Acq On : 21 Sep 2020 13:19
 Operator : SY/AP
 Sample : VL0921ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:05:56 PM

Quant Time: Sep 22 01:42:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 22 01:42:55 2020
 QLast Update : Tue Sep 22 01:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	993284	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	3966598	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.06	117	3945054m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2899250	10.35	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1273417	7.398	ppbv	100
3) Chlorodifluoromethane	2.96	51	1103488	10.045	ppbv	100
4) Chloromethane	3.11	50	590397	10.031	ppbv	97
5) Vinyl Chloride	3.22	62	699180	9.636	ppbv	99
6) Bromomethane	3.44	94	617606	10.133	ppbv	98
7) Chloroethane	3.53	64	267003	10.408	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	1943762	9.324	ppbv	92
9) Propene	2.98	41	419027	9.894	ppbv	99
10) Heptane	8.09	43	1232760	10.837	ppbv	99
11) Trichlorofluoromethane	3.92	101	2440078	9.720	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1825626	9.636	ppbv	92
13) Ethanol	3.57	45	93819	8.935	ppbv	97
14) Bromoethene	3.71	108	810673	9.940	ppbv	99
15) Acetone	3.82	43	973161	8.883	ppbv	98
16) 1,3-Butadiene	3.29	39	439196	10.770	ppbv	99
17) tert-Butyl alcohol	4.26	59	1316462	9.872	ppbv	100
18) 1,1-Dichloroethene	4.26	96	850117	10.189	ppbv	96
19) Isopropyl Alcohol	3.93	45	623516	9.541	ppbv #	98
20) Methylene Chloride	4.31	84	724368	8.878	ppbv	97
21) Allyl Chloride	4.38	41	589217	11.480	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	888608	10.004	ppbv	94
23) Vinyl Acetate	5.04	43	1512036	10.754	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1479967	10.228	ppbv	98
25) Ethyl Acetate	5.65	43	2038620	10.533	ppbv	99
26) Hexane	5.65	57	1140449	10.400	ppbv	98
27) Carbon Disulfide	4.52	76	1869178	11.878	ppbv	100
28) Methyl tert-Butyl Ether	5.00	73	1967210	10.293	ppbv	99
29) Chloroform	5.72	83	2287729	10.239	ppbv	99
30) Cyclohexane	7.10	84	1235157	10.514	ppbv	96
31) cis-1,2-Dichloroethene	5.52	61	1193971	10.613	ppbv	95
32) 1,1,1-Trichloroethane	6.48	97	2240099	10.335	ppbv	98
34) 2-Butanone	5.21	43	1376552	11.694	ppbv	97
35) Carbon Tetrachloride	6.99	117	2333920	11.707	ppbv	97
36) Benzene	6.86	78	2839977	11.061	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1410626	11.523	ppbv	98
38) Trichloroethene	7.81	130	1460459	9.792	ppbv	95
39) 1,2-Dichloropropane	7.58	63	964545	11.120	ppbv	97
40) 1,4-Dioxane	7.80	88	465946	10.754	ppbv	69
41) Tetrahydrofuran	6.02	42	772921	12.382	ppbv	98
42) Bromodichloromethane	7.76	83	2394595	12.096	ppbv	99
43) Methyl Methacrylate	7.98	69	1213215	12.220	ppbv	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035684.D
 Acq On : 21 Sep 2020 13:19
 Operator : SY/AP
 Sample : VL0921ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:05:56 PM

Quant Time: Sep 22 01:42:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 22 01:42:55 2020
 QLast Update : Tue Sep 22 01:39:30 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.84	57	3831360	11.341	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1390779	13.828	ppbv	99
46) cis-1,3-Dichloropropene	8.67	75	1625023	13.013	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1407869	11.000	ppbv	97
48) Dibromochloromethane	10.28	129	2389460	11.862	ppbv	100
49) Bromoform	13.01	173	2148206	11.768	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2057180	12.069	ppbv	98
51) 2-Hexanone	10.10	43	1731312	12.382	ppbv #	98
52) Tetrachloroethene	11.19	164	1373951	9.160	ppbv	97
53) Toluene	9.78	91	3611600	11.185	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2231761	11.036	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1861660	11.597	ppbv	98
57) Chlorobenzene	12.12	112	3076315	10.595	ppbv	97
58) Ethyl Benzene	12.69	91	4737805	11.646	ppbv	98
59) m/p-Xylene	12.97	91	8177497m	24.056	ppbv	
60) o-Xylene	13.67	91	3968579	11.592	ppbv	97
61) Styrene	13.50	104	3137581	11.982	ppbv	98
62) Isopropylbenzene	14.65	105	6017349	10.941	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.65	83	2886933	10.876	ppbv	99
64) n-propylbenzene	15.54	120	1860525	11.086	ppbv	87
65) tert-Butylbenzene	16.73	119	5593786	10.942	ppbv	96
66) Benzyl Chloride	16.97	91	2231095	17.560	ppbv	97
67) sec-Butylbenzene	17.28	105	7536619	11.065	ppbv	96
69) p-Isopropyltoluene	17.64	119	6440006	10.779	ppbv	97
70) n-Butylbenzene	18.54	91	6460570	11.226	ppbv	97
71) 2-Chlorotoluene	15.43	91	4631414	11.564	ppbv	95
72) 4-Ethyltoluene	15.82	105	4975818	11.432	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	4634336	11.512	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	4837791	10.943	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	3247650	9.917	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	3287656	10.180	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	3189614	10.053	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	1913251	9.445	ppbv	100
79) Naphthalene	22.18	128	5420300	11.049	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1972288	11.780	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	2800593	9.533	ppbv	100

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

