

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091721\
 Data File : VL037640.D
 Acq On : 17 Sep 2021 13:45
 Operator : SY/AP
 Sample : VL0917ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:28:29 PM

Quant Time: Sep 18 07:01:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1442966	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4264216	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4021568m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2908307	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1916195	7.339	ppbv	99
3) Chlorodifluoromethane	2.98	51	2736161	10.053	ppbv	100
4) Chloromethane	3.13	50	982885	9.774	ppbv	98
5) Vinyl Chloride	3.25	62	1020387	10.803	ppbv	98
6) Bromomethane	3.46	94	554580	10.102	ppbv	96
7) Chloroethane	3.55	64	343421	9.729	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	2251909	9.997	ppbv	99
9) Propene	3.00	41	963869	10.039	ppbv	98
10) Heptane	8.10	43	2471843	11.034	ppbv	99
11) Trichlorofluoromethane	3.93	101	2086935	9.955	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1607818	10.391	ppbv	98
13) Ethanol	3.60	45	94154m	10.026	ppbv	
14) Bromoethene	3.73	108	691826	9.822	ppbv	98
15) Acetone	3.83	43	1228269	8.193	ppbv	100
16) 1,3-Butadiene	3.31	39	983287	10.496	ppbv	100
17) tert-Butyl alcohol	4.27	59	1415764	11.136	ppbv	100
18) 1,1-Dichloroethene	4.27	96	717502	9.954	ppbv	97
19) Isopropyl Alcohol	3.95	45	871973	10.689	ppbv #	97
20) Methylene Chloride	4.33	84	604857	8.451	ppbv	99
21) Allyl Chloride	4.39	41	1177909	10.517	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	758740	10.462	ppbv	99
23) Vinyl Acetate	5.06	43	1961543	9.455	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	1484836	9.991	ppbv	98
25) Ethyl Acetate	5.66	43	3847567	10.596	ppbv	99
26) Hexane	5.67	57	1778705	10.312	ppbv	97
27) Carbon Disulfide	4.54	76	1803011	11.426	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1543485	10.160	ppbv	99
29) Chloroform	5.74	83	2573272	10.217	ppbv	100
30) Cyclohexane	7.11	84	1532771	10.390	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1710183	10.922	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2487444	10.608	ppbv	100
34) 2-Butanone	5.22	43	1680186	9.696	ppbv	100
35) Carbon Tetrachloride	7.00	117	2583845	10.712	ppbv	98
36) Benzene	6.87	78	3776728	10.621	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1866039	10.670	ppbv	99
38) Trichloroethene	7.82	130	1479181	9.958	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1420167	10.428	ppbv	98
40) 1,4-Dioxane	7.82	88	332636m	10.041	ppbv	
41) Tetrahydrofuran	6.03	42	873671	10.725	ppbv	99
42) Bromodichloromethane	7.77	83	2729195	10.888	ppbv	99
43) Methyl Methacrylate	8.00	69	1351807	11.428	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091721\
 Data File : VL037640.D
 Acq On : 17 Sep 2021 13:45
 Operator : SY/AP
 Sample : VL0917ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:28:29 PM

Quant Time: Sep 18 07:01:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 18 07:01:38 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6268367	10.486	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1136666	12.233	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1542481	12.289	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1516684	10.067	ppbv	98
48) Dibromochloromethane	10.28	129	2357802	11.218	ppbv	100
49) Bromoform	13.02	173	1884416	11.202	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2432583	11.060	ppbv	99
51) 2-Hexanone	10.12	43	1085749	11.188	ppbv #	98
52) Tetrachloroethene	11.20	164	1384749	10.144	ppbv	99
53) Toluene	9.79	91	4328223	10.951	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2149667	10.421	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1642434m	9.846	ppbv	
57) Chlorobenzene	12.13	112	3138277	9.387	ppbv	99
58) Ethyl Benzene	12.69	91	5492063	10.288	ppbv	98
59) m/p-Xylene	12.98	91	9106620m	19.575	ppbv	
60) o-Xylene	13.67	91	4285702	9.679	ppbv	99
61) Styrene	13.51	104	2417307	11.071	ppbv	99
62) Isopropylbenzene	14.64	105	5873922	9.496	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2943800	8.495	ppbv	100
64) n-propylbenzene	15.54	120	1523963	9.547	ppbv	82
65) tert-Butylbenzene	16.73	119	5169988	9.270	ppbv	100
66) Benzyl Chloride	16.97	91	311535	10.222	ppbv	97
67) sec-Butylbenzene	17.27	105	7145061	9.443	ppbv	99
69) p-Isopropyltoluene	17.63	119	6003725	9.712	ppbv	100
70) n-Butylbenzene	18.53	91	5846934	9.996	ppbv	100
71) 2-Chlorotoluene	15.43	91	4238408	9.561	ppbv	98
72) 4-Ethyltoluene	15.82	105	5056577	9.948	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4469848	9.434	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4704660	9.428	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	2843323	9.171	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2720746	8.897	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2726868	9.273	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2205287	8.910	ppbv	100
79) Naphthalene	22.16	128	3908211	12.755	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1105593	15.786	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	2247314	11.424	ppbv	98

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

