

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037798.D
 Acq On : 7 Oct 2021 15:49
 Operator : SY/AP
 Sample : VL1007ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Manual Integrations
 APPROVED

apatel
 10/14/2021 1:19:41 PM

Quant Time: Oct 08 10:36:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 08 10:36:08 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1252297	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3689017	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3358230m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2375416	10.11	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	1566611	7.832	ppbv	98
3) Chlorodifluoromethane	2.98	51	2402384	9.984	ppbv	99
4) Chloromethane	3.13	50	868072	9.850	ppbv	98
5) Vinyl Chloride	3.25	62	839500	10.391	ppbv	98
6) Bromomethane	3.46	94	467603	10.700	ppbv	94
7) Chloroethane	3.55	64	313370	10.549	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	1952047	9.873	ppbv	98
9) Propene	3.00	41	845123	9.545	ppbv	99
10) Heptane	8.10	43	2193462	10.909	ppbv	100
11) Trichlorofluoromethane	3.94	101	1822296	10.211	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1356855	10.035	ppbv	99
13) Ethanol	3.59	45	88734m	12.255	ppbv	
14) Bromoethene	3.73	108	604059	10.160	ppbv	100
15) Acetone	3.84	43	1057921	9.411	ppbv	98
16) 1,3-Butadiene	3.32	39	874692	10.694	ppbv	99
17) tert-Butyl alcohol	4.27	59	1256761	10.855	ppbv	99
18) 1,1-Dichloroethene	4.28	96	640434	10.422	ppbv	97
19) Isopropyl Alcohol	3.95	45	754081	10.782	ppbv #	96
20) Methylene Chloride	4.33	84	518402	9.127	ppbv	96
21) Allyl Chloride	4.40	41	1004688	10.088	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	653613	10.580	ppbv	99
23) Vinyl Acetate	5.06	43	1757138	10.430	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1305701	10.647	ppbv	97
25) Ethyl Acetate	5.66	43	3403410	10.789	ppbv	99
26) Hexane	5.67	57	1595232	10.270	ppbv	98
27) Carbon Disulfide	4.54	76	1539995	11.187	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1386576	10.721	ppbv	97
29) Chloroform	5.74	83	2278549	10.262	ppbv	99
30) Cyclohexane	7.11	84	1361396	10.335	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1491933	10.580	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2220745	10.549	ppbv	99
34) 2-Butanone	5.23	43	1504026	10.099	ppbv	100
35) Carbon Tetrachloride	7.00	117	2285666	10.910	ppbv	100
36) Benzene	6.87	78	3316703	10.526	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1624930	10.952	ppbv	100
38) Trichloroethene	7.82	130	1320714	10.610	ppbv	97
39) 1,2-Dichloropropane	7.60	63	1256976	10.606	ppbv	97
40) 1,4-Dioxane	7.82	88	337298m	11.373	ppbv	
41) Tetrahydrofuran	6.03	42	800352	10.975	ppbv	98
42) Bromodichloromethane	7.77	83	2425010	11.128	ppbv	95
43) Methyl Methacrylate	8.00	69	1206701	11.725	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037798.D
 Acq On : 7 Oct 2021 15:49
 Operator : SY/AP
 Sample : VL1007ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Manual Integrations
 APPROVED

apatel
 10/14/2021 1:19:41 PM

Quant Time: Oct 08 10:36:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Oct 0
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5585170	10.550	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	902616	12.746	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1191574	12.140	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1368162	10.619	ppbv	98
48) Dibromochloromethane	10.28	129	2144060	11.673	ppbv	99
49) Bromoform	13.02	173	1728170	12.297	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	2178895	11.239	ppbv	100
51) 2-Hexanone	10.12	43	1033221	11.938	ppbv #	99
52) Tetrachloroethene	11.20	164	1237434	10.094	ppbv	99
53) Toluene	9.79	91	3878467	11.107	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1891395	10.868	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.10	131	1489038	10.711	ppbv	98
57) Chlorobenzene	12.13	112	2833572	10.286	ppbv	97
58) Ethyl Benzene	12.69	91	4908919	10.886	ppbv	100
59) m/p-Xylene	12.97	91	8282368m	21.397	ppbv	
60) o-Xylene	13.67	91	3906495	10.531	ppbv	99
61) Styrene	13.51	104	2166649	12.075	ppbv	99
62) Isopropylbenzene	14.65	105	5346068	10.332	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2769786	9.676	ppbv	99
64) n-propylbenzene	15.54	120	1435040	11.122	ppbv	99
65) tert-Butylbenzene	16.73	119	4728540	10.385	ppbv	100
66) Benzyl Chloride	16.97	91	259378	11.543	ppbv #	95
67) sec-Butylbenzene	17.27	105	6591673	10.585	ppbv	100
69) p-Isopropyltoluene	17.63	119	5427795	10.781	ppbv	100
70) n-Butylbenzene	18.53	91	5263518	11.005	ppbv	99
71) 2-Chlorotoluene	15.43	91	3959794	10.837	ppbv	99
72) 4-Ethyltoluene	15.82	105	4741821	11.257	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4218514	11.026	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4271099	10.630	ppbv	93
75) 1,3-Dichlorobenzene	16.98	146	2598909	10.440	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2543860	10.713	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2529792	10.580	ppbv	98
78) Hexachloro-1,3-Butadiene	23.35	225	1731765	8.870	ppbv	98
79) Naphthalene	22.17	128	2825639	11.483	ppbv	97
80) Naphthalene,2-methyl-	24.95	142	563485	8.528	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	1714676	10.895	ppbv	99

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

