

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092723\
 Data File : VL040723.D
 Acq On : 27 Sep 2023 12:04
 Operator : SY/MD
 Sample : VL0927ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS02

Quant Time: Sep 28 01:43:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/28/2023
 Supervised By : Mahesh Dadoda 09/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.179	49	1287094	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.635	114	3528085	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.442	117	3301239	10.000	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	2353328	9.227	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.729	85	2489320	8.778	ppbv	98
3) Chlorodifluoromethane	2.674	51	1921688	9.165	ppbv	95
4) Chloromethane	2.812	50	771740	9.614	ppbv	99
5) Vinyl Chloride	2.918	62	864139	9.108	ppbv	95
6) Bromomethane	3.118	94	358416	7.830	ppbv	98
7) Chloroethane	3.192	64	292256	8.969	ppbv	95
8) Dichlorotetrafluoroethane	2.854	85	2011795	8.593	ppbv	98
9) Propene	2.693	41	667745	11.054	ppbv	99
10) Heptane	7.558	43	1593966	11.711	ppbv	99
11) Trichlorofluoromethane	3.555	101	2005406	8.044	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.057	101	1536046	8.613	ppbv	98
13) Ethanol	3.234	45	141487	7.913	ppbv	99
14) Bromoethene	3.362	108	650879	8.702	ppbv	97
15) Acetone	3.462	43	1420712	8.368	ppbv	99
16) 1,3-Butadiene	2.983	39	765649	10.348	ppbv	97
17) tert-Butyl alcohol	3.870	59	1555506	8.945	ppbv	98
18) 1,1-Dichloroethene	3.870	96	715659	9.029	ppbv	96
19) Isopropyl Alcohol	3.568	45	889173	8.692	ppbv #	98
20) Methylene Chloride	3.922	84	635098	6.950	ppbv	94
21) Allyl Chloride	3.986	41	948773	9.119	ppbv	97
22) trans-1,2-Dichloroethene	4.433	96	745558	9.513	ppbv	96
23) Vinyl Acetate	4.613	43	1772755	10.097	ppbv	98
24) 1,1-Dichloroethane	4.552	63	1509768	9.189	ppbv	99
25) Ethyl Acetate	5.188	43	2833279	10.348	ppbv	99
26) Hexane	5.198	57	1339339	10.345	ppbv	90
27) Carbon Disulfide	4.115	76	1893622	10.488	ppbv	98
28) Methyl tert-Butyl Ether	4.574	73	1209893	10.861	ppbv	99
29) Chloroform	5.259	83	2068797	9.255	ppbv	99
30) Cyclohexane	6.581	84	1117340	11.460	ppbv	96
31) cis-1,2-Dichloroethene	5.063	61	1325331	11.033	ppbv	92
32) 1,1,1-Trichloroethane	5.986	97	2053676	8.986	ppbv	99
34) 2-Butanone	4.770	43	1722837	9.710	ppbv	97
35) Carbon Tetrachloride	6.475	117	2094018	8.644	ppbv	97
36) Benzene	6.352	78	2808690	10.751	ppbv	96
37) 1,2-Dichloroethane	5.790	62	1533028	8.574	ppbv #	96
38) Trichloroethene	7.269	130	1104053	11.081	ppbv	98
39) 1,2-Dichloropropane	7.053	63	1050998	10.451	ppbv	93
40) 1,4-Dioxane	7.262	88	383540	10.089	ppbv #	92
41) Tetrahydrofuran	5.539	42	1016728	11.175	ppbv	99
42) Bromodichloromethane	7.227	83	2272732	9.316	ppbv	98
43) Methyl Methacrylate	7.452	69	1128662	11.623	ppbv	97
44) 2,2,4-Trimethylpentane	7.304	57	4455762	10.711	ppbv	97
45) t-1,3-Dichloropropene	8.687	75	843150	11.197	ppbv	99

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46) cis-1,3-Dichloropropene	8.121	75	1020170	11.073	ppbv	95
47) 1,1,2-Trichloroethane	8.873	97	1140863	9.885	ppbv	98
48) Dibromochloromethane	9.683	129	1941952	10.200	ppbv	100
49) Bromoform	12.381	173	1599240	10.228	ppbv	100
50) 4-Methyl-2-Pentanone	8.159	43	2565633	10.701	ppbv	96
51) 2-Hexanone	9.526	43	1805864	10.913	ppbv #	94
52) Tetrachloroethene	10.587	164	967843	11.357	ppbv	96
53) Toluene	9.198	91	3210257	11.639	ppbv	100
54) 1,2-Dibromoethane	9.986	107	1448043	9.830	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.484	131	1448310	9.204	ppbv #	94
57) Chlorobenzene	11.500	112	2444383	9.778	ppbv	98
58) Ethyl Benzene	12.060	91	4207491	11.179	ppbv	100
59) m/p-Xylene	12.349	91	7133753m	20.185	ppbv	
60) o-Xylene	13.031	91	3383892	10.040	ppbv	98
61) Styrene	12.873	104	1773114	12.552	ppbv	97
62) Isopropylbenzene	14.002	105	4967300	9.761	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.018	83	2432710	9.209	ppbv	99
64) n-propylbenzene	14.889	120	1291524	10.150	ppbv	96
65) tert-Butylbenzene	16.063	119	4382822	9.596	ppbv	95
66) Benzyl Chloride	16.301	91	338587	6.352	ppbv	98
67) sec-Butylbenzene	16.606	105	6111241	9.346	ppbv	99
69) p-Isopropyltoluene	16.969	119	4965762	9.663	ppbv	97
70) n-Butylbenzene	17.857	91	5191571	9.179	ppbv	99
71) 2-Chlorotoluene	14.773	91	3786906	10.058	ppbv	97
72) 4-Ethyltoluene	15.162	105	3968770	10.500	ppbv	99
73) 1,3,5-Trimethylbenzene	15.323	105	3386569	9.951	ppbv	98
74) 1,2,4-Trimethylbenzene	16.079	105	3729325	8.989	ppbv	96
75) 1,3-Dichlorobenzene	16.304	146	2200327	9.308	ppbv	99
76) 1,4-Dichlorobenzene	16.442	146	2138912	9.196	ppbv	99
77) 1,2-Dichlorobenzene	17.114	146	2115109	8.983	ppbv	98
78) Hexachloro-1,3-Butadiene	22.599	225	1465630	8.227	ppbv	99
79) Naphthalene	21.355	128	2914780	11.290	ppbv	98
80) Naphthalene,2-methyl-	24.348	142	798482	12.627	ppbv	93
81) 1,2,4-Trichlorobenzene	21.107	180	1604073	9.511	ppbv	99

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

