

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092723\
 Data File : VL040722.D
 Acq On : 27 Sep 2023 11:25
 Operator : SY/MD
 Sample : VL0927ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Quant Time: Sep 28 01:43:03 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	5.176	49	1252201	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.635	114	3478249	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.439	117	3292180	10.000	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.744	95	2331522	9.166	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.729	85	2446800	8.868	ppbv	99
3) Chlorodifluoromethane	2.674	51	1876557	9.199	ppbv	95
4) Chloromethane	2.812	50	767295	9.825	ppbv	99
5) Vinyl Chloride	2.919	62	844104	9.145	ppbv	97
6) Bromomethane	3.115	94	402987	9.049	ppbv	98
7) Chloroethane	3.192	64	300733	9.486	ppbv	99
8) Dichlorotetrafluoroethane	2.854	85	1995120	8.760	ppbv	98
9) Propene	2.693	41	636983	10.839	ppbv	98
10) Heptane	7.555	43	1535913	11.599	ppbv	99
11) Trichlorofluoromethane	3.555	101	2034005	8.386	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.057	101	1537379	8.861	ppbv	97
13) Ethanol	3.237	45	149259	8.581	ppbv	97
14) Bromoethene	3.359	108	639896	8.793	ppbv	96
15) Acetone	3.462	43	1437621	8.704	ppbv	100
16) 1,3-Butadiene	2.983	39	711823	9.889	ppbv	91
17) tert-Butyl alcohol	3.870	59	1568838	9.273	ppbv	99
18) 1,1-Dichloroethene	3.870	96	721589	9.357	ppbv	97
19) Isopropyl Alcohol	3.568	45	943104	9.476	ppbv #	98
20) Methylene Chloride	3.922	84	628810	7.073	ppbv	97
21) Allyl Chloride	3.986	41	1021563	10.092	ppbv	97
22) trans-1,2-Dichloroethene	4.433	96	774909	10.163	ppbv	97
23) Vinyl Acetate	4.613	43	1801346	10.546	ppbv	98
24) 1,1-Dichloroethane	4.549	63	1528747	9.563	ppbv	99
25) Ethyl Acetate	5.189	43	2722217	10.219	ppbv	99
26) Hexane	5.195	57	1263597	10.032	ppbv	93
27) Carbon Disulfide	4.111	76	1855263	10.562	ppbv	99
28) Methyl tert-Butyl Ether	4.574	73	1147468	10.588	ppbv	100
29) Chloroform	5.259	83	2050715	9.429	ppbv	99
30) Cyclohexane	6.581	84	1103449	11.633	ppbv	97
31) cis-1,2-Dichloroethene	5.063	61	1257556	10.761	ppbv	92
32) 1,1,1-Trichloroethane	5.986	97	2038720	9.169	ppbv	99
34) 2-Butanone	4.771	43	1586490	9.070	ppbv	98
35) Carbon Tetrachloride	6.471	117	2099452	8.790	ppbv	97
36) Benzene	6.349	78	2734509	10.617	ppbv	95
37) 1,2-Dichloroethane	5.790	62	1511069	8.572	ppbv #	97
38) Trichloroethene	7.269	130	1065723	10.850	ppbv	99
39) 1,2-Dichloropropane	7.053	63	1024920	10.338	ppbv	94
40) 1,4-Dioxane	7.262	88	441138	11.770	ppbv #	97
41) Tetrahydrofuran	5.539	42	1005174	11.206	ppbv	99
42) Bromodichloromethane	7.227	83	2272777	9.449	ppbv	98
43) Methyl Methacrylate	7.452	69	1107397	11.567	ppbv	96
44) 2,2,4-Trimethylpentane	7.304	57	4361189	10.634	ppbv	96
45) t-1,3-Dichloropropene	8.684	75	979561	13.195	ppbv	99

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QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	1127142	12.410	ppbv	94
47) 1,1,2-Trichloroethane	8.876	97	1127511	9.910	ppbv	98
48) Dibromochloromethane	9.684	129	1924314	10.253	ppbv	100
49) Bromoform	12.378	173	1596226	10.355	ppbv	100
50) 4-Methyl-2-Pentanone	8.156	43	2500249	10.577	ppbv	96
51) 2-Hexanone	9.523	43	1839113	11.273	ppbv #	95
52) Tetrachloroethene	10.590	164	947677	11.279	ppbv	97
53) Toluene	9.195	91	3121098	11.478	ppbv	100
54) 1,2-Dibromoethane	9.983	107	1595764	10.988	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.481	131	1409691	8.983	ppbv	99
57) Chlorobenzene	11.497	112	2442848	9.799	ppbv	98
58) Ethyl Benzene	12.060	91	4142027	11.035	ppbv	99
59) m/p-Xylene	12.346	91	7043413m	19.984	ppbv	
60) o-Xylene	13.027	91	3372526	10.034	ppbv	99
61) Styrene	12.867	104	1770577	12.569	ppbv	97
62) Isopropylbenzene	14.002	105	4938896	9.732	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.018	83	2430669	9.227	ppbv	98
64) n-propylbenzene	14.889	120	1296839	10.220	ppbv	95
65) tert-Butylbenzene	16.063	119	4320436	9.485	ppbv	96
66) Benzyl Chloride	16.294	91	577060	10.855	ppbv	99
67) sec-Butylbenzene	16.606	105	6111566	9.373	ppbv	99
69) p-Isopropyltoluene	16.966	119	5034245	9.823	ppbv	98
70) n-Butylbenzene	17.857	91	5290098	9.379	ppbv	99
71) 2-Chlorotoluene	14.770	91	3802814	10.128	ppbv	98
72) 4-Ethyltoluene	15.166	105	3945046	10.466	ppbv	99
73) 1,3,5-Trimethylbenzene	15.323	105	3386100	9.977	ppbv	98
74) 1,2,4-Trimethylbenzene	16.079	105	3755165	9.076	ppbv	94
75) 1,3-Dichlorobenzene	16.304	146	2210908	9.378	ppbv	99
76) 1,4-Dichlorobenzene	16.442	146	2164695	9.332	ppbv	99
77) 1,2-Dichlorobenzene	17.111	146	2152398	9.167	ppbv	98
78) Hexachloro-1,3-Butadiene	22.599	225	1488589	8.379	ppbv	99
79) Naphthalene	21.352	128	3041156	11.812	ppbv	98
80) Naphthalene,2-methyl-	24.352	142	885732	14.045	ppbv	95
81) 1,2,4-Trichlorobenzene	21.104	180	1615506	9.606	ppbv	99

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

