

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112723\
 Data File : VL040904.D
 Acq On : 27 Nov 2023 10:58
 Operator : SY/MD
 Sample : VL1127ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1127ABS01

Quant Time: Nov 28 04:36:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Nov 28 04:31:59 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/28/2023
 Supervised By : Mahesh Dadoda 11/28/2023

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

Internal Standards						
1) Bromochloromethane	5.227	49	913402	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.681	114	2271058	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2138941	10.000	ppbv	0.00

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 13.793 95 1714632 10.239 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.400%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.780	85	1817874	9.817	ppbv	99
3) Chlorodifluoromethane	2.726	51	1424870	9.770	ppbv	100
4) Chloromethane	2.864	50	514850	9.818	ppbv	94
5) Vinyl Chloride	2.970	62	520297	9.975	ppbv	100
6) Bromomethane	3.166	94	206065	10.350	ppbv	100
7) Chloroethane	3.243	64	183082	10.138	ppbv	93
8) Dichlorotetrafluoroethane	2.906	85	1335753	9.991	ppbv	98
9) Propene	2.745	41	478688	9.740	ppbv	99
10) Heptane	7.607	43	1211299	10.018	ppbv	100
11) Trichlorofluoromethane	3.607	101	1430887	10.057	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.105	101	1282462	12.689	ppbv	94
13) Ethanol	3.285	45	87075	9.124	ppbv #	100
14) Bromoethene	3.411	108	410725	10.103	ppbv	97
15) Acetone	3.510	43	987804	10.154	ppbv	99
16) 1,3-Butadiene	3.031	39	527886	10.726	ppbv	99
17) tert-Butyl alcohol	3.919	59	860747	10.347	ppbv	100
18) 1,1-Dichloroethene	3.922	96	475141	10.547	ppbv	95
19) Isopropyl Alcohol	3.620	45	623156	10.644	ppbv	100
20) Methylene Chloride	3.973	84	457006	11.383	ppbv	95
21) Allyl Chloride	4.038	41	720971	11.581	ppbv	97
22) trans-1,2-Dichloroethene	4.485	96	580663	11.357	ppbv	95
23) Vinyl Acetate	4.661	43	1435151	11.425	ppbv	99
24) 1,1-Dichloroethane	4.600	63	1210915	10.815	ppbv	98
25) Ethyl Acetate	5.237	43	2109275	10.472	ppbv	100
26) Hexane	5.247	57	919642	10.316	ppbv	100
27) Carbon Disulfide	4.166	76	1446201	12.793	ppbv	99
28) Methyl tert-Butyl Ether	4.623	73	844349	10.473	ppbv	99
29) Chloroform	5.308	83	1527849	10.112	ppbv	99
30) Cyclohexane	6.632	84	732750	9.554	ppbv	94
31) cis-1,2-Dichloroethene	5.115	61	947183	10.737	ppbv	99
32) 1,1,1-Trichloroethane	6.037	97	1524381	10.814	ppbv	99
34) 2-Butanone	4.819	43	1319571	11.405	ppbv	99
35) Carbon Tetrachloride	6.526	117	1604730	11.517	ppbv	98
36) Benzene	6.401	78	1883734	10.220	ppbv	98
37) 1,2-Dichloroethane	5.838	62	1165634	10.722	ppbv	100
38) Trichloroethene	7.317	130	708111	9.884	ppbv	99
39) 1,2-Dichloropropane	7.099	63	744510	10.187	ppbv	98
40) 1,4-Dioxane	7.308	88	297717	10.267	ppbv #	55
41) Tetrahydrofuran	5.587	42	780963	10.964	ppbv	99
42) Bromodichloromethane	7.279	83	1696658	10.906	ppbv	97
43) Methyl Methacrylate	7.497	69	772601	11.000	ppbv	97
44) 2,2,4-Trimethylpentane	7.353	57	3181191	10.390	ppbv	99
45) t-1,3-Dichloropropene	8.732	75	536132	12.989	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.166	75	661435	12.359	ppbv	98
47) 1,1,2-Trichloroethane	8.922	97	782785	10.222	ppbv	98
48) Dibromochloromethane	9.732	129	1398087	11.003	ppbv	99
49) Bromoform	12.430	173	1102233	11.533	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	1990939	11.120	ppbv	100
51) 2-Hexanone	9.571	43	1456762	11.542	ppbv #	99
52) Tetrachloroethene	10.635	164	642321	10.349	ppbv	97
53) Toluene	9.243	91	2149314	10.597	ppbv	99
54) 1,2-Dibromoethane	10.031	107	1072058	10.878	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.529	131	988057	10.793	ppbv	100
57) Chlorobenzene	11.545	112	1634362	10.309	ppbv	99
58) Ethyl Benzene	12.108	91	2915690	10.448	ppbv	99
59) m/p-Xylene	12.391	91	4967005m	20.900	ppbv	
60) o-Xylene	13.076	91	2353879	10.404	ppbv	98
61) Styrene	12.915	104	1194507	10.948	ppbv	100
62) Isopropylbenzene	14.047	105	3381110	10.116	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.066	83	1682552	10.493	ppbv	100
64) n-propylbenzene	14.934	120	873767	10.430	ppbv	94
65) tert-Butylbenzene	16.108	119	2918715	10.356	ppbv	98
66) Benzyl Chloride	16.349	91	117080	11.274	ppbv #	100
67) sec-Butylbenzene	16.651	105	4136147	10.274	ppbv	99
69) p-Isopropyltoluene	17.008	119	3316641	10.331	ppbv	100
70) n-Butylbenzene	17.902	91	3539389	10.441	ppbv	99
71) 2-Chlorotoluene	14.815	91	2661120	10.444	ppbv	100
72) 4-Ethyltoluene	15.211	105	2637207	10.604	ppbv	98
73) 1,3,5-Trimethylbenzene	15.365	105	2286379	10.395	ppbv	100
74) 1,2,4-Trimethylbenzene	16.124	105	2503893	10.201	ppbv	97
75) 1,3-Dichlorobenzene	16.346	146	1400392	10.332	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	1340169	10.328	ppbv	98
77) 1,2-Dichlorobenzene	17.156	146	1346202	10.215	ppbv	98
78) Hexachloro-1,3-Butadiene	22.648	225	738444	8.949	ppbv	100
79) Naphthalene	21.400	128	1413306	11.203	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	197252	8.857	ppbv	95
81) 1,2,4-Trichlorobenzene	21.159	180	752841	9.816	ppbv	99

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

