

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040361.D
 Acq On : 13 Apr 2023 14:56
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041323

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 13 15:26:43 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1110591	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2788770	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2803992m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2210428 9.533 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1611653	8.049	ppbv	99
3) Chlorodifluoromethane	2.665	51	1294158	8.918	ppbv	100
4) Chloromethane	2.803	50	832628	9.082	ppbv	99
5) Vinyl Chloride	2.909	62	725131	9.582	ppbv	100
6) Bromomethane	3.108	94	229857	9.219	ppbv	99
7) Chloroethane	3.189	64	269664	9.411	ppbv	95
8) Dichlorotetrafluoroethane	2.848	85	1741711	8.900	ppbv	98
9) Propene	2.684	41	543656	9.482	ppbv	99
10) Heptane	7.584	43	1301279	9.987	ppbv	100
11) Trichlorofluoromethane	3.555	101	1755154	8.659	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	1236674	8.723	ppbv	99
13) Ethanol	3.234	45	45798m	9.569	ppbv	
14) Bromoethene	3.359	108	545840	9.415	ppbv	98
15) Acetone	3.459	43	1227360	7.803	ppbv	98
16) 1,3-Butadiene	2.973	39	623256	9.574	ppbv	99
17) tert-Butyl alcohol	3.870	59	1386345	9.597	ppbv	100
18) 1,1-Dichloroethene	3.874	96	568472	8.890	ppbv	99
19) Isopropyl Alcohol	3.565	45	680991	9.488	ppbv	98
20) Methylene Chloride	3.925	84	486661	7.749	ppbv	98
21) Allyl Chloride	3.989	41	847473	9.482	ppbv	99
22) trans-1,2-Dichloroethene	4.439	96	574517	8.987	ppbv	96
23) Vinyl Acetate	4.623	43	373499	9.326	ppbv	97
24) 1,1-Dichloroethane	4.562	63	1175392	8.818	ppbv	100
25) Ethyl Acetate	5.205	43	2505892	9.467	ppbv	100
26) Hexane	5.211	57	1061079	9.509	ppbv	98
27) Carbon Disulfide	4.118	76	1409915	9.764	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	1047928	9.098	ppbv	99
29) Chloroform	5.275	83	1803686	9.074	ppbv	98
30) Cyclohexane	6.610	84	878902	10.170	ppbv	100
31) cis-1,2-Dichloroethene	5.076	61	1112906	10.062	ppbv	100
32) 1,1,1-Trichloroethane	6.005	97	1814158	9.393	ppbv	99
34) 2-Butanone	4.784	43	1477004	9.822	ppbv	100
35) Carbon Tetrachloride	6.497	117	1852832	9.438	ppbv	99
36) Benzene	6.375	78	2220424	9.759	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1406022	9.408	ppbv	100
38) Trichloroethene	7.298	130	1331064	10.279	ppbv	97
39) 1,2-Dichloropropane	7.079	63	858042	9.584	ppbv	98
40) 1,4-Dioxane	7.291	88	355611	10.371	ppbv #	96
41) Tetrahydrofuran	5.555	42	843144	10.238	ppbv	99
42) Bromodichloromethane	7.256	83	1954408	9.576	ppbv	99
43) Methyl Methacrylate	7.481	69	888210	10.510	ppbv	100
44) 2,2,4-Trimethylpentane	7.330	57	3639727	9.577	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	859555	11.387	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1163733	11.076	ppbv	99
47) 1,1,2-Trichloroethane	8.909	97	924583	9.419	ppbv	98
48) Dibromochloromethane	9.722	129	1561307	9.876	ppbv	100
49) Bromoform	12.420	173	1202658	9.754	ppbv	99
50) 4-Methyl-2-Pentanone	8.189	43	2292252	10.053	ppbv	99
51) 2-Hexanone	9.558	43	1780182	10.566	ppbv	99
52) Tetrachloroethene	10.629	164	737408	10.361	ppbv	95
53) Toluene	9.230	91	2511359	10.411	ppbv	100
54) 1,2-Dibromoethane	10.018	107	994573	9.994	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.520	131	1101766	8.608	ppbv	96
57) Chlorobenzene	11.539	112	1900014	8.654	ppbv	98
58) Ethyl Benzene	12.102	91	3376510	9.789	ppbv	98
59) m/p-Xylene	12.388	91	5825624m	18.366	ppbv	
60) o-Xylene	13.073	91	2785159	9.149	ppbv	100
61) Styrene	12.912	104	1605340	10.527	ppbv	99
62) Isopropylbenzene	14.044	105	3907264	8.912	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	852165	7.649	ppbv	99
64) n-propylbenzene	14.931	120	995251	9.226	ppbv	97
65) tert-Butylbenzene	16.108	119	3438211	8.914	ppbv	99
66) Benzyl Chloride	16.339	91	236362m	9.897	ppbv	
67) sec-Butylbenzene	16.651	105	4962653	8.957	ppbv	100
69) p-Isopropyltoluene	17.008	119	4031359	9.319	ppbv	99
70) n-Butylbenzene	17.902	91	4516629	9.418	ppbv	100
71) 2-Chlorotoluene	14.815	91	3017674	8.965	ppbv	100
72) 4-Ethyltoluene	15.208	105	3193891	9.504	ppbv	100
73) 1,3,5-Trimethylbenzene	15.365	105	2879587	9.276	ppbv	97
74) 1,2,4-Trimethylbenzene	16.124	105	3158195	8.901	ppbv	96
75) 1,3-Dichlorobenzene	16.346	146	1738707	8.946	ppbv	100
76) 1,4-Dichlorobenzene	16.487	146	1707270	8.891	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	1712561	8.911	ppbv	100
78) Hexachloro-1,3-Butadiene	22.651	225	1401389	9.096	ppbv	100
79) Naphthalene	21.400	128	3113725m	13.000	ppbv	
80) Naphthalene,2-methyl-	24.387	142	939953	13.184	ppbv	98
81) 1,2,4-Trichlorobenzene	21.156	180	1598093	10.858	ppbv	99

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

