

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
 Data File : VL040320.D
 Acq On : 10 Apr 2023 11:49
 Operator : SY/MD
 Sample : VL0410ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/11/2023
 Supervised By : Mahesh Dadoda 04/11/2023

Quant Time: Apr 11 02:06:20 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

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

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.156	49	1016117	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.619	114	2558665	10.000	ppbv	-0.04
55) Chlorobenzene-d5	11.433	117	2648682m	10.000	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.744 95 2124577 9.579 ppbv -0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.693	85	1508415	7.566	ppbv	100
3) Chlorodifluoromethane	2.639	51	1190320m	9.316	ppbv	
4) Chloromethane	2.777	50	750081	9.507	ppbv	99
5) Vinyl Chloride	2.886	62	651516	10.198	ppbv	97
6) Bromomethane	3.082	94	220067	9.934	ppbv	99
7) Chloroethane	3.163	64	243086	9.911	ppbv	99
8) Dichlorotetrafluoroethane	2.822	85	1648345	9.659	ppbv	99
9) Propene	2.658	41	474804	9.700	ppbv	98
10) Heptane	7.549	43	1215603	10.325	ppbv	99
11) Trichlorofluoromethane	3.526	101	1654530	9.160	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.031	101	1246175	9.186	ppbv	98
13) Ethanol	3.211	45	29365m	8.179	ppbv	
14) Bromoethene	3.330	108	498297	9.847	ppbv	97
15) Acetone	3.433	43	1110512	8.977	ppbv	98
16) 1,3-Butadiene	2.951	39	575904	10.242	ppbv	99
17) tert-Butyl alcohol	3.841	59	1250545	10.637	ppbv	100
18) 1,1-Dichloroethene	3.845	96	558200	9.592	ppbv	98
19) Isopropyl Alcohol	3.539	45	568678	9.597	ppbv	98
20) Methylene Chloride	3.896	84	457479	8.791	ppbv	99
21) Allyl Chloride	3.960	41	790957	9.871	ppbv	98
22) trans-1,2-Dichloroethene	4.410	96	572477	9.665	ppbv	95
23) Vinyl Acetate	4.590	43	344790	10.018	ppbv #	96
24) 1,1-Dichloroethane	4.529	63	1177176	9.590	ppbv	98
25) Ethyl Acetate	5.169	43	2238823	9.667	ppbv	100
26) Hexane	5.176	57	950059	9.994	ppbv	97
27) Carbon Disulfide	4.089	76	1385979	10.438	ppbv	100
28) Methyl tert-Butyl Ether	4.549	73	1039774	9.526	ppbv	99
29) Chloroform	5.240	83	1669359	9.944	ppbv	99
30) Cyclohexane	6.565	84	802164	10.708	ppbv	99
31) cis-1,2-Dichloroethene	5.041	61	953859	10.303	ppbv	98
32) 1,1,1-Trichloroethane	5.967	97	1673037	10.403	ppbv	99
34) 2-Butanone	4.751	43	1239184	9.813	ppbv	100
35) Carbon Tetrachloride	6.459	117	1724872	10.742	ppbv	99
36) Benzene	6.336	78	2011615	10.316	ppbv	99
37) 1,2-Dichloroethane	5.774	62	1280707	10.091	ppbv	100
38) Trichloroethene	7.256	130	1196278	11.227	ppbv	98
39) 1,2-Dichloropropane	7.037	63	769820	10.063	ppbv	97
40) 1,4-Dioxane	7.253	88	290953	9.613	ppbv	74
41) Tetrahydrofuran	5.523	42	709326	9.733	ppbv	97
42) Bromodichloromethane	7.214	83	1799870	10.378	ppbv	97
43) Methyl Methacrylate	7.442	69	804531	11.103	ppbv	98
44) 2,2,4-Trimethylpentane	7.291	57	3398462	10.453	ppbv	100
45) t-1,3-Dichloropropene	8.677	75	753786	11.933	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
 Data File : VL040320.D
 Acq On : 10 Apr 2023 11:49
 Operator : SY/MD
 Sample : VL0410ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/11/2023
 Supervised By : Mahesh Dadoda 04/11/2023

Quant Time: Apr 11 02:06:20 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.108	75	1032506	11.510	ppbv	97
47) 1,1,2-Trichloroethane	8.867	97	813394	9.965	ppbv	97
48) Dibromochloromethane	9.680	129	1391533	10.359	ppbv	100
49) Bromoform	12.375	173	1054793	10.455	ppbv	98
50) 4-Methyl-2-Pentanone	8.147	43	2038147	10.430	ppbv	99
51) 2-Hexanone	9.516	43	1534194	10.134	ppbv	99
52) Tetrachloroethene	10.584	164	654967	11.102	ppbv	99
53) Toluene	9.188	91	2243680	10.980	ppbv	99
54) 1,2-Dibromoethane	9.973	107	882121	10.499	ppbv	93
56) 1,1,1,2-Tetrachloroethane	11.474	131	1012237	9.085	ppbv	97
57) Chlorobenzene	11.494	112	1689109	8.965	ppbv	98
58) Ethyl Benzene	12.056	91	3016106	10.001	ppbv	99
59) m/p-Xylene	12.343	91	5210087m	18.858	ppbv	
60) o-Xylene	13.027	91	2496933	9.454	ppbv	99
61) Styrene	12.867	104	1392814	10.392	ppbv	99
62) Isopropylbenzene	14.002	105	3507497	9.326	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.018	83	785845	8.456	ppbv	100
64) n-propylbenzene	14.886	120	896463	9.740	ppbv	98
65) tert-Butylbenzene	16.063	119	3109304	9.593	ppbv	100
66) Benzyl Chloride	16.294	91	208450	9.896	ppbv	98
67) sec-Butylbenzene	16.606	105	4488776	9.684	ppbv	100
69) p-Isopropyltoluene	16.966	119	3673678	10.177	ppbv	100
70) n-Butylbenzene	17.860	91	4136339	10.401	ppbv	100
71) 2-Chlorotoluene	14.770	91	2695072	9.415	ppbv	99
72) 4-Ethyltoluene	15.162	105	2849745	9.869	ppbv	99
73) 1,3,5-Trimethylbenzene	15.323	105	2569017	9.822	ppbv	96
74) 1,2,4-Trimethylbenzene	16.079	105	2850062	9.555	ppbv	99
75) 1,3-Dichlorobenzene	16.301	146	1592738	9.859	ppbv	100
76) 1,4-Dichlorobenzene	16.445	146	1553976	10.085	ppbv	100
77) 1,2-Dichlorobenzene	17.111	146	1581208	10.183	ppbv	100
78) Hexachloro-1,3-Butadiene	22.599	225	1116340	9.802	ppbv	100
79) Naphthalene	21.352	128	2261305	12.815	ppbv	98
80) Naphthalene,2-methyl-	24.349	142	374069	8.370	ppbv	98
81) 1,2,4-Trichlorobenzene	21.107	180	1204899	11.086	ppbv	100

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

