

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040337.D
 Acq On : 12 Apr 2023 12:39
 Operator : SY/MD
 Sample : VL0412ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

Quant Time: Apr 13 05:36:47 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 : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2023
 Supervised By : Mahesh Dadoda 04/13/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	1101056	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2759072	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2675273m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	2108153	9.410	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.100%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.716	85	1364869	6.318	ppbv	98
3) Chlorodifluoromethane	2.661	51	1250648	9.033	ppbv	99
4) Chloromethane	2.800	50	789085	9.230	ppbv	100
5) Vinyl Chloride	2.909	62	682810	9.864	ppbv	96
6) Bromomethane	3.108	94	231030	9.624	ppbv	93
7) Chloroethane	3.189	64	256528	9.652	ppbv	95
8) Dichlorotetrafluoroethane	2.845	85	1685625	9.115	ppbv	99
9) Propene	2.681	41	525690	9.911	ppbv	94
10) Heptane	7.584	43	1246467	9.770	ppbv	99
11) Trichlorofluoromethane	3.555	101	1745972	8.920	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1241391	8.445	ppbv	98
13) Ethanol	3.237	45	32659m	8.395	ppbv	
14) Bromoethene	3.359	108	528485	9.638	ppbv	98
15) Acetone	3.459	43	1174849	8.765	ppbv	98
16) 1,3-Butadiene	2.973	39	602937	9.896	ppbv	99
17) tert-Butyl alcohol	3.867	59	1311608	10.295	ppbv	100
18) 1,1-Dichloroethene	3.873	96	570302	9.044	ppbv	98
19) Isopropyl Alcohol	3.565	45	611540	9.524	ppbv	98
20) Methylene Chloride	3.925	84	475582	8.433	ppbv	98
21) Allyl Chloride	3.989	41	814815	9.384	ppbv	97
22) trans-1,2-Dichloroethene	4.443	96	574669	8.954	ppbv	97
23) Vinyl Acetate	4.619	43	369498	9.908	ppbv #	93
24) 1,1-Dichloroethane	4.558	63	1165086	8.759	ppbv	99
25) Ethyl Acetate	5.201	43	2365248	9.425	ppbv	99
26) Hexane	5.211	57	1005304	9.759	ppbv	96
27) Carbon Disulfide	4.118	76	1385949	9.633	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	1077105	9.106	ppbv	99
29) Chloroform	5.272	83	1725421	9.486	ppbv	97
30) Cyclohexane	6.606	84	841322	10.364	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	1031769	10.285	ppbv	94
32) 1,1,1-Trichloroethane	6.005	97	1749306	10.038	ppbv	99
34) 2-Butanone	4.780	43	1301252	9.556	ppbv	99
35) Carbon Tetrachloride	6.497	117	1786719	10.319	ppbv	98
36) Benzene	6.372	78	2095440	9.966	ppbv	98
37) 1,2-Dichloroethane	5.806	62	1335777	9.761	ppbv	100
38) Trichloroethene	7.298	130	1243677	10.824	ppbv	99
39) 1,2-Dichloropropane	7.079	63	809395	9.812	ppbv	97
40) 1,4-Dioxane	7.291	88	285837	8.758	ppbv #	1
41) Tetrahydrofuran	5.555	42	784728	9.985	ppbv	99
42) Bromodichloromethane	7.253	83	1862686	9.960	ppbv	99
43) Methyl Methacrylate	7.478	69	827593	10.591	ppbv	98
44) 2,2,4-Trimethylpentane	7.333	57	3493883	9.966	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	778174	11.424	ppbv	97

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Quant Time: Apr 13 05:36:47 2023

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Apr 11 04:15:53 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1080529	11.171	ppbv	99
47) 1,1,2-Trichloroethane	8.905	97	850142	9.659	ppbv	97
48) Dibromochloromethane	9.719	129	1423540	9.828	ppbv	99
49) Bromoform	12.420	173	1066663	9.805	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2074146	9.843	ppbv	99
51) 2-Hexanone	9.555	43	1537541	9.419	ppbv	99
52) Tetrachloroethene	10.626	164	671076	10.549	ppbv	98
53) Toluene	9.227	91	2311804	10.492	ppbv	98
54) 1,2-Dibromoethane	10.018	107	918917	10.142	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.519	131	1019940	9.063	ppbv	98
57) Chlorobenzene	11.536	112	1711697	8.995	ppbv	100
58) Ethyl Benzene	12.098	91	3074025	10.091	ppbv	97
59) m/p-Xylene	12.381	91	5317626m	19.056	ppbv	
60) o-Xylene	13.069	91	2529955	9.484	ppbv	100
61) Styrene	12.908	104	1440482	10.641	ppbv	99
62) Isopropylbenzene	14.040	105	3573949	9.408	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	797093	8.492	ppbv	100
64) n-propylbenzene	14.928	120	899263	9.673	ppbv	100
65) tert-Butylbenzene	16.101	119	3126828	9.551	ppbv	99
66) Benzyl Chloride	16.339	91	209186	9.832	ppbv	99
67) sec-Butylbenzene	16.648	105	4538895	9.695	ppbv	99
69) p-Isopropyltoluene	17.008	119	3731704	10.235	ppbv	100
70) n-Butylbenzene	17.899	91	4193476	10.440	ppbv	100
71) 2-Chlorotoluene	14.809	91	2754122	9.525	ppbv	100
72) 4-Ethyltoluene	15.204	105	2925196	10.029	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	2643855	10.008	ppbv	98
74) 1,2,4-Trimethylbenzene	16.121	105	2914426	9.673	ppbv	97
75) 1,3-Dichlorobenzene	16.342	146	1610485	9.869	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1576428	10.129	ppbv	100
77) 1,2-Dichlorobenzene	17.156	146	1598246	10.190	ppbv	100
78) Hexachloro-1,3-Butadiene	22.651	225	1112710	9.673	ppbv	100
79) Naphthalene	21.400	128	2324205	13.040	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	390455	8.650	ppbv	97
81) 1,2,4-Trichlorobenzene	21.156	180	1227810	11.184	ppbv	98

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

