

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122022\
 Data File : VL040052.D
 Acq On : 20 Dec 2022 12:03
 Operator : SY/MD
 Sample : VL1220ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1220ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2022
 Supervised By :Mahesh Dadoda 12/21/2022

Quant Time: Dec 21 03:54:12 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2022

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.163	49	877398	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.626	114	2610303	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2456991m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.751 95 1888043 10.060 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.703	85	1561960	9.510	ppbv	100
3) Chlorodifluoromethane	2.648	51	1150247	8.885	ppbv	100
4) Chloromethane	2.787	50	723587	8.921	ppbv	98
5) Vinyl Chloride	2.893	62	607371	9.255	ppbv	100
6) Bromomethane	3.092	94	226312	9.385	ppbv	99
7) Chloroethane	3.169	64	235386	9.506	ppbv	97
8) Dichlorotetrafluoroethane	2.829	85	1563038	9.046	ppbv	99
9) Propene	2.665	41	483581	8.802	ppbv	97
10) Heptane	7.552	43	1234975	9.210	ppbv	100
11) Trichlorofluoromethane	3.533	101	1629375	9.130	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.037	101	1224628	9.061	ppbv	100
13) Ethanol	3.218	45	40988m	7.927	ppbv	
14) Bromoethene	3.337	108	491360	9.654	ppbv	99
15) Acetone	3.439	43	1099862	8.103	ppbv	100
16) 1,3-Butadiene	2.957	39	567403	9.617	ppbv	100
17) tert-Butyl alcohol	3.851	59	1130784	8.451	ppbv	99
18) 1,1-Dichloroethene	3.851	96	536512	9.120	ppbv	93
19) Isopropyl Alcohol	3.549	45	580964	8.685	ppbv #	97
20) Methylene Chloride	3.902	84	477572	8.278	ppbv	98
21) Allyl Chloride	3.967	41	767651	9.412	ppbv	100
22) trans-1,2-Dichloroethene	4.417	96	561475	9.576	ppbv	94
23) Vinyl Acetate	4.600	43	392188	9.114	ppbv #	97
24) 1,1-Dichloroethane	4.536	63	1137821	9.004	ppbv	100
25) Ethyl Acetate	5.176	43	2071635	8.813	ppbv	99
26) Hexane	5.185	57	895525	9.065	ppbv	98
27) Carbon Disulfide	4.095	76	1323767	10.623	ppbv	98
28) Methyl tert-Butyl Ether	4.555	73	1045133	8.976	ppbv	99
29) Chloroform	5.246	83	1585764	10.518	ppbv	99
30) Cyclohexane	6.571	84	820012	9.372	ppbv	98
31) cis-1,2-Dichloroethene	5.050	61	865856	9.203	ppbv	95
32) 1,1,1-Trichloroethane	5.973	97	1612902	9.993	ppbv	99
34) 2-Butanone	4.758	43	1235082	8.722	ppbv	98
35) Carbon Tetrachloride	6.465	117	1677323	10.345	ppbv	99
36) Benzene	6.343	78	2097086	8.995	ppbv	98
37) 1,2-Dichloroethane	5.777	62	1255647	9.181	ppbv	98
38) Trichloroethene	7.266	130	1240550	10.355	ppbv	98
39) 1,2-Dichloropropane	7.044	63	783850	8.970	ppbv	97
40) 1,4-Dioxane	7.262	88	336015	8.532	ppbv	92
41) Tetrahydrofuran	5.529	42	794993	8.994	ppbv	100
42) Bromodichloromethane	7.221	83	1776177	9.480	ppbv	99
43) Methyl Methacrylate	7.449	69	834000	9.532	ppbv	99
44) 2,2,4-Trimethylpentane	7.301	57	3377452	8.800	ppbv	100
45) t-1,3-Dichloropropene	8.684	75	790390	10.689	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.114	75	1058557	10.150	ppbv	99
47) 1,1,2-Trichloroethane	8.873	97	849408	8.876	ppbv	98
48) Dibromochloromethane	9.687	129	1404387	9.650	ppbv	100
49) Bromoform	12.384	173	1036606	9.337	ppbv	99
50) 4-Methyl-2-Pentanone	8.156	43	2078575	8.985	ppbv	100
51) 2-Hexanone	9.526	43	1623851	9.024	ppbv #	99
52) Tetrachloroethene	10.590	164	708548	8.939	ppbv	99
53) Toluene	9.195	91	2353953	9.120	ppbv	100
54) 1,2-Dibromoethane	9.983	107	972599	9.438	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.484	131	1010933	8.920	ppbv	99
57) Chlorobenzene	11.503	112	1782204	8.545	ppbv	96
58) Ethyl Benzene	12.063	91	3133918	8.977	ppbv	99
59) m/p-Xylene	12.349	91	5328104m	17.520	ppbv	
60) o-Xylene	13.034	91	2540715	8.720	ppbv	98
61) Styrene	12.873	104	1466840	9.387	ppbv	99
62) Isopropylbenzene	14.005	105	3525723	8.393	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.024	83	802753	7.515	ppbv	99
64) n-propylbenzene	14.896	120	885725	8.348	ppbv	97
65) tert-Butylbenzene	16.066	119	2996764	8.210	ppbv	99
66) Benzyl Chloride	16.304	91	191632m	9.002	ppbv	
67) sec-Butylbenzene	16.613	105	4211561	8.233	ppbv	99
69) p-Isopropyltoluene	16.973	119	3399422	8.319	ppbv	100
70) n-Butylbenzene	17.863	91	3572369	8.344	ppbv	99
71) 2-Chlorotoluene	14.777	91	2659802	8.299	ppbv	100
72) 4-Ethyltoluene	15.169	105	2783008	8.603	ppbv	99
73) 1,3,5-Trimethylbenzene	15.326	105	2458253	8.426	ppbv	97
74) 1,2,4-Trimethylbenzene	16.085	105	2634548	8.192	ppbv	100
75) 1,3-Dichlorobenzene	16.310	146	1462192	8.309	ppbv	99
76) 1,4-Dichlorobenzene	16.452	146	1437261	8.366	ppbv	99
77) 1,2-Dichlorobenzene	17.121	146	1418216	8.403	ppbv	99
78) Hexachloro-1,3-Butadiene	22.609	225	998916	8.532	ppbv #	100
79) Naphthalene	21.362	128	2133804	11.135	ppbv	98
80) Naphthalene,2-methyl-	24.358	142	454909	7.759	ppbv	97
81) 1,2,4-Trichlorobenzene	21.117	180	1080147	9.490	ppbv	99

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

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[illegible]