

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040638.D
 Acq On : 15 Aug 2023 18:45
 Operator : SY/MD
 Sample : VL0815ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/16/2023
 Supervised By : Mahesh Dadoda 08/16/2023

Quant Time: Aug 16 05:57:01 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 16 05:57:01 2023

QLast Update : Wed Aug 16 05:43:50 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	956154	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2444669	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2323245	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2002365 10.837 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.723	85	1867922	9.070	ppbv	98
3) Chlorodifluoromethane	2.668	51	1412179	8.995	ppbv	96
4) Chloromethane	2.803	50	538754	8.798	ppbv	97
5) Vinyl Chloride	2.912	62	595446	9.158	ppbv	98
6) Bromomethane	3.112	94	326089	9.567	ppbv	97
7) Chloroethane	3.192	64	223795	9.436	ppbv	91
8) Dichlorotetrafluoroethane	2.848	85	1573422	9.439	ppbv	99
9) Propene	2.684	41	412448	8.479	ppbv	98
10) Heptane	7.584	43	1050953	9.382	ppbv	100
11) Trichlorofluoromethane	3.559	101	1692811	10.182	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	1217754	9.868	ppbv	99
13) Ethanol	3.243	45	97437m	7.177	ppbv	
14) Bromoethene	3.359	108	501267	10.003	ppbv	99
15) Acetone	3.462	43	1093507	9.350	ppbv	98
16) 1,3-Butadiene	2.977	39	551236	9.478	ppbv	99
17) tert-Butyl alcohol	3.874	59	1160504	9.357	ppbv	100
18) 1,1-Dichloroethene	3.877	96	556131	9.944	ppbv	96
19) Isopropyl Alcohol	3.571	45	636164	8.579	ppbv #	98
20) Methylene Chloride	3.928	84	473521	8.285	ppbv	98
21) Allyl Chloride	3.993	41	731235	9.453	ppbv	96
22) trans-1,2-Dichloroethene	4.443	96	544576	9.920	ppbv	98
23) Vinyl Acetate	4.626	43	1257660	9.437	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1099426	9.647	ppbv	99
25) Ethyl Acetate	5.205	43	1954626	8.899	ppbv	99
26) Hexane	5.211	57	858598	8.079	ppbv	96
27) Carbon Disulfide	4.121	76	1371050	10.837	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	770096	9.373	ppbv	100
29) Chloroform	5.275	83	1534890	9.125	ppbv	99
30) Cyclohexane	6.603	84	713917	8.780	ppbv	97
31) cis-1,2-Dichloroethene	5.079	61	886710	9.245	ppbv	98
32) 1,1,1-Trichloroethane	6.005	97	1591921	9.883	ppbv	100
34) 2-Butanone	4.787	43	1178672	9.561	ppbv	99
35) Carbon Tetrachloride	6.497	117	1653388	10.809	ppbv	98
36) Benzene	6.375	78	1797596	9.243	ppbv	99
37) 1,2-Dichloroethane	5.812	62	1179525	10.056	ppbv	98
38) Trichloroethene	7.295	130	733889	9.745	ppbv	96
39) 1,2-Dichloropropane	7.079	63	680441	9.196	ppbv	96
40) 1,4-Dioxane	7.295	88	218202	7.784	ppbv #	1
41) Tetrahydrofuran	5.558	42	641970	9.213	ppbv	99
42) Bromodichloromethane	7.256	83	1687634	10.337	ppbv	99
43) Methyl Methacrylate	7.481	69	750205	10.302	ppbv	97
44) 2,2,4-Trimethylpentane	7.336	57	2980381	9.481	ppbv	98
45) t-1,3-Dichloropropene	8.719	75	663600	11.411	ppbv	95

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	770209	10.857	ppbv	97
47) 1,1,2-Trichloroethane	8.906	97	785773	9.401	ppbv	97
48) Dibromochloromethane	9.719	129	1401589	10.715	ppbv	99
49) Bromoform	12.420	173	1171746	11.180	ppbv	99
50) 4-Methyl-2-Pentanone	8.189	43	1826158	10.140	ppbv	98
51) 2-Hexanone	9.558	43	1334255	10.514	ppbv #	98
52) Tetrachloroethene	10.626	164	635050	10.426	ppbv	99
53) Toluene	9.230	91	2090908	10.117	ppbv	99
54) 1,2-Dibromoethane	10.018	107	1134218	10.658	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.516	131	1032875	9.609	ppbv	96
57) Chlorobenzene	11.536	112	1677730	9.357	ppbv	97
58) Ethyl Benzene	12.098	91	2902897	10.362	ppbv	99
59) m/p-Xylene	12.378	91	5166234m	20.216	ppbv	
60) o-Xylene	13.069	91	2477300	10.227	ppbv	100
61) Styrene	12.909	104	1213548	11.434	ppbv	98
62) Isopropylbenzene	14.040	105	3642299	9.936	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	1781925	9.823	ppbv	99
64) n-propylbenzene	14.928	120	931634	10.056	ppbv	99
65) tert-Butylbenzene	16.101	119	3231535	10.171	ppbv	98
66) Benzyl Chloride	16.336	91	438370	10.972	ppbv	100
67) sec-Butylbenzene	16.648	105	4607633	9.940	ppbv	100
69) p-Isopropyltoluene	17.005	119	3723537	10.266	ppbv	98
70) n-Butylbenzene	17.896	91	4078342	10.299	ppbv	99
71) 2-Chlorotoluene	14.812	91	2808589	10.326	ppbv	99
72) 4-Ethyltoluene	15.204	105	2882456	10.541	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2502599	10.238	ppbv	98
74) 1,2,4-Trimethylbenzene	16.117	105	2865781	10.039	ppbv	95
75) 1,3-Dichlorobenzene	16.346	146	1600936	9.700	ppbv	98
76) 1,4-Dichlorobenzene	16.487	146	1573603	9.753	ppbv	99
77) 1,2-Dichlorobenzene	17.153	146	1551469	9.554	ppbv	99
78) Hexachloro-1,3-Butadiene	22.645	225	1083637	8.795	ppbv	99
79) Naphthalene	21.397	128	2330001	12.359	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	659743	12.161	ppbv	95
81) 1,2,4-Trichlorobenzene	21.156	180	1290468	10.400	ppbv	97

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

