

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
 Data File : VL040486.D
 Acq On : 22 Jun 2023 15:01
 Operator : SY/MD
 Sample : VL0622ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/27/2023
 Supervised By :Mahesh Dadoda 06/27/2023

Quant Time: Jun 23 01:30:49 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M

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

QLast Update : Tue Jun 06 06:22:12 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	988173	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2506450	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.455	117	2490514m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1942906 9.452 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.725	85	2039500	9.483	ppbv	100
3) Chlorodifluoromethane	2.671	51	1531459	9.462	ppbv	98
4) Chloromethane	2.809	50	592370	9.455	ppbv	98
5) Vinyl Chloride	2.915	62	635773	10.168	ppbv	98
6) Bromomethane	3.115	94	325028	10.042	ppbv	97
7) Chloroethane	3.192	64	231784	9.926	ppbv	100
8) Dichlorotetrafluoroethane	2.854	85	1563568	9.206	ppbv	96
9) Propene	2.693	41	458341	9.183	ppbv	98
10) Heptane	7.568	43	1219382	10.794	ppbv	100
11) Trichlorofluoromethane	3.555	101	1673964	9.558	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.057	101	1223618	10.002	ppbv	99
13) Ethanol	3.234	45	110661	10.707	ppbv	99
14) Bromoethene	3.359	108	499398	9.760	ppbv	100
15) Acetone	3.462	43	1072108	8.995	ppbv	97
16) 1,3-Butadiene	2.980	39	589183	10.156	ppbv	98
17) tert-Butyl alcohol	3.867	59	966782	9.867	ppbv	99
18) 1,1-Dichloroethene	3.873	96	548335	10.059	ppbv	99
19) Isopropyl Alcohol	3.565	45	584375	10.172	ppbv	99
20) Methylene Chloride	3.925	84	459704	9.037	ppbv	96
21) Allyl Chloride	3.989	41	691286	10.268	ppbv	99
22) trans-1,2-Dichloroethene	4.436	96	567530	10.148	ppbv	97
23) Vinyl Acetate	4.616	43	1176445	10.106	ppbv	99
24) 1,1-Dichloroethane	4.555	63	1162035	9.951	ppbv	99
25) Ethyl Acetate	5.192	43	2075919	9.612	ppbv	99
26) Hexane	5.201	57	948235	9.272	ppbv	99
27) Carbon Disulfide	4.115	76	1383716	10.818	ppbv	99
28) Methyl tert-Butyl Ether	4.574	73	797344	10.127	ppbv	99
29) Chloroform	5.266	83	1690385	9.703	ppbv	99
30) Cyclohexane	6.590	84	797172	9.673	ppbv	98
31) cis-1,2-Dichloroethene	5.069	61	999334	10.214	ppbv	98
32) 1,1,1-Trichloroethane	5.992	97	1707090	9.927	ppbv	99
34) 2-Butanone	4.774	43	1142738	9.455	ppbv	98
35) Carbon Tetrachloride	6.481	117	1764276	10.329	ppbv	96
36) Benzene	6.359	78	2015670	10.110	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1286045	9.901	ppbv	99
38) Trichloroethene	7.278	130	833331	11.032	ppbv	99
39) 1,2-Dichloropropane	7.063	63	779896	10.147	ppbv	95
40) 1,4-Dioxane	7.275	88	211003	9.693	ppbv #	100
41) Tetrahydrofuran	5.545	42	696052	10.536	ppbv	98
42) Bromodichloromethane	7.237	83	1816278	10.155	ppbv	100
43) Methyl Methacrylate	7.462	69	799878	11.168	ppbv	99
44) 2,2,4-Trimethylpentane	7.314	57	3338303	10.246	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	626981	11.856	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.130	75	748086	11.604	ppbv	99
47) 1,1,2-Trichloroethane	8.883	97	857714	10.154	ppbv	96
48) Dibromochloromethane	9.696	129	1447241	10.717	ppbv	99
49) Bromoform	12.394	173	1115010	10.913	ppbv	100
50) 4-Methyl-2-Pentanone	8.169	43	1756652	10.851	ppbv	100
51) 2-Hexanone	9.536	43	1220765	10.863	ppbv #	97
52) Tetrachloroethene	10.603	164	708110	11.312	ppbv	94
53) Toluene	9.208	91	2344420	11.165	ppbv	99
54) 1,2-Dibromoethane	9.995	107	1247178	11.263	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.497	131	1094655	9.352	ppbv	97
57) Chlorobenzene	11.513	112	1806891	9.599	ppbv	97
58) Ethyl Benzene	12.076	91	3248662	10.766	ppbv	98
59) m/p-Xylene	12.359	91	5650058m	20.374	ppbv	
60) o-Xylene	13.043	91	2701200	10.269	ppbv	100
61) Styrene	12.886	104	1350059	11.926	ppbv	99
62) Isopropylbenzene	14.014	105	3927070	10.043	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	1683375	9.883	ppbv	99
64) n-propylbenzene	14.902	120	1011996	10.194	ppbv	97
65) tert-Butylbenzene	16.075	119	3396293	10.124	ppbv	99
66) Benzyl Chloride	16.313	91	261385	10.111	ppbv	98
67) sec-Butylbenzene	16.622	105	4909321	10.036	ppbv	100
69) p-Isopropyltoluene	16.982	119	4009710	10.315	ppbv	100
70) n-Butylbenzene	17.870	91	4432530	10.215	ppbv	100
71) 2-Chlorotoluene	14.786	91	3052659	10.514	ppbv	99
72) 4-Ethyltoluene	15.178	105	3182155	10.741	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	2744309	10.480	ppbv	99
74) 1,2,4-Trimethylbenzene	16.095	105	3100007	10.063	ppbv	98
75) 1,3-Dichlorobenzene	16.317	146	1719881	9.953	ppbv	100
76) 1,4-Dichlorobenzene	16.461	146	1705974	10.153	ppbv	99
77) 1,2-Dichlorobenzene	17.127	146	1613779	9.886	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1149510	9.130	ppbv	99
79) Naphthalene	21.368	128	2259901	12.737	ppbv	98
80) Naphthalene,2-methyl-	24.361	142	667375	12.535	ppbv	97
81) 1,2,4-Trichlorobenzene	21.123	180	1296795	11.799	ppbv	100

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

