

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041408.D
 Acq On : 25 Jul 2024 21:38
 Operator : SY/MD
 Sample : VL0725ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0725ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/29/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 29 01:43:25 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Fri Jul 26 07:31:14 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1194645	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3272068	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	3247461	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2504861 10.023 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	1612635	7.847	ppbv	99
3) Chlorodifluoromethane	2.652	51	1271580	8.941	ppbv	100
4) Chloromethane	2.790	50	659939	8.725	ppbv	99
5) Vinyl Chloride	2.899	62	658072	8.826	ppbv	99
6) Bromomethane	3.099	94	354201	9.243	ppbv	99
7) Chloroethane	3.179	64	233923	9.091	ppbv	96
8) Dichlorotetrafluoroethane	2.835	85	1620637	8.900	ppbv	99
9) Propene	2.671	41	573958	8.785	ppbv	99
10) Heptane	7.568	43	1417797	9.659	ppbv	99
11) Trichlorofluoromethane	3.542	101	1612578	8.835	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.047	101	1164638	8.861	ppbv	98
13) Ethanol	3.224	45	36103m	6.183	ppbv	
14) Bromoethene	3.346	108	468524	9.144	ppbv	97
15) Acetone	3.446	43	1180612	8.698	ppbv	99
16) 1,3-Butadiene	2.964	39	666373	9.189	ppbv	99
17) tert-Butyl alcohol	3.857	59	1203414	9.721	ppbv	100
18) 1,1-Dichloroethene	3.861	96	515341	9.166	ppbv	97
19) Isopropyl Alcohol	3.555	45	684483	8.626	ppbv	100
20) Methylene Chloride	3.915	84	439615	8.685	ppbv	96
21) Allyl Chloride	3.976	41	861450	9.677	ppbv	98
22) trans-1,2-Dichloroethene	4.427	96	513051	9.127	ppbv	97
23) Vinyl Acetate	4.607	43	1044197	10.073	ppbv	99
24) 1,1-Dichloroethane	4.546	63	1089452	8.926	ppbv	99
25) Ethyl Acetate	5.189	43	2481329	9.202	ppbv	100
26) Hexane	5.195	57	1050762	9.393	ppbv	99
27) Carbon Disulfide	4.105	76	1284091	9.812	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	638882	9.056	ppbv	99
29) Chloroform	5.256	83	1670489	9.155	ppbv	96
30) Cyclohexane	6.587	84	887969	9.748	ppbv	98
31) cis-1,2-Dichloroethene	5.060	61	1052729	9.526	ppbv	96
32) 1,1,1-Trichloroethane	5.986	97	1645170	9.263	ppbv	100
34) 2-Butanone	4.767	43	1511083	9.547	ppbv	100
35) Carbon Tetrachloride	6.478	117	1734725	9.612	ppbv	99
36) Benzene	6.356	78	2264893	9.473	ppbv	99
37) 1,2-Dichloroethane	5.790	62	1290324	9.642	ppbv	100
38) Trichloroethene	7.275	130	1036769	9.465	ppbv	97
39) 1,2-Dichloropropane	7.057	63	869200	9.496	ppbv	98
40) 1,4-Dioxane	7.269	88	271800	7.392	ppbv #	1
41) Tetrahydrofuran	5.542	42	903810	9.984	ppbv	99
42) Bromodichloromethane	7.237	83	1851572	9.582	ppbv	97
43) Methyl Methacrylate	7.459	69	904086	10.545	ppbv	97
44) 2,2,4-Trimethylpentane	7.314	57	3746476	9.382	ppbv	99
45) t-1,3-Dichloropropene	8.696	75	940593	11.919	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	1243851	10.915	ppbv	96
47) 1,1,2-Trichloroethane	8.886	97	956707	9.482	ppbv	94
48) Dibromochloromethane	9.696	129	1612174	9.918	ppbv	100
49) Bromoform	12.397	173	1431198	10.424	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	2521444	10.097	ppbv	100
51) 2-Hexanone	9.539	43	2046951	10.840	ppbv	100
52) Tetrachloroethene	10.600	164	885734	9.588	ppbv	98
53) Toluene	9.211	91	2677332	10.053	ppbv	100
54) 1,2-Dibromoethane	9.995	107	1373621	10.228	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.497	131	1156109	9.180	ppbv	99
57) Chlorobenzene	11.516	112	2084796	9.017	ppbv	98
58) Ethyl Benzene	12.079	91	3610434	9.646	ppbv	100
59) m/p-Xylene	12.362	91	6149899m	19.033	ppbv	
60) o-Xylene	13.050	91	2938549	9.614	ppbv	100
61) Styrene	12.886	104	1468476	10.649	ppbv	99
62) Isopropylbenzene	14.018	105	4316418	9.289	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.034	83	1789371	9.271	ppbv	100
64) n-propylbenzene	14.905	120	1164759	9.588	ppbv	99
65) tert-Butylbenzene	16.079	119	3871634	9.225	ppbv	99
66) Benzyl Chloride	16.314	91	290573	10.794	ppbv	100
67) sec-Butylbenzene	16.625	105	5394259	9.328	ppbv	100
69) p-Isopropyltoluene	16.986	119	4546201	9.474	ppbv	100
70) n-Butylbenzene	17.876	91	4683113	9.520	ppbv	100
71) 2-Chlorotoluene	14.789	91	3250577	9.486	ppbv	99
72) 4-Ethyltoluene	15.182	105	3553004	9.873	ppbv	100
73) 1,3,5-Trimethylbenzene	15.339	105	3048566	9.834	ppbv	99
74) 1,2,4-Trimethylbenzene	16.098	105	3392303	9.412	ppbv	99
75) 1,3-Dichlorobenzene	16.320	146	2110190	9.314	ppbv	100
76) 1,4-Dichlorobenzene	16.461	146	2065705	9.416	ppbv	100
77) 1,2-Dichlorobenzene	17.133	146	2047523	9.116	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1560647	8.148	ppbv	99
79) Naphthalene	21.371	128	3544743	11.143	ppbv	99
80) Naphthalene,2-methyl-	24.361	142	3187312	11.953	ppbv	100
81) 1,2,4-Trichlorobenzene	21.127	180	1834015	9.688	ppbv	99

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

