

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060523\
 Data File : VL040462.D
 Acq On : 5 Jun 2023 20:27
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL060523

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/06/2023
 Supervised By : Mahesh Dadoda 06/06/2023

Quant Time: Jun 06 06:24:53 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri 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	5.189	49	1068255	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2728412	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2673268	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2029308 9.198 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	2118108	9.110	ppbv	99
3) Chlorodifluoromethane	2.661	51	1673809	9.567	ppbv	98
4) Chloromethane	2.803	50	653929	9.655	ppbv	99
5) Vinyl Chloride	2.909	62	723377	10.702	ppbv	99
6) Bromomethane	3.108	94	335691	9.594	ppbv	98
7) Chloroethane	3.186	64	243792	9.658	ppbv	94
8) Dichlorotetrafluoroethane	2.845	85	1720757	9.372	ppbv	99
9) Propene	2.681	41	526682	9.762	ppbv	96
10) Heptane	7.581	43	1341707	10.987	ppbv	100
11) Trichlorofluoromethane	3.552	101	1742573	9.204	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1270110	9.604	ppbv	100
13) Ethanol	3.227	45	117831	10.546	ppbv	96
14) Bromoethene	3.356	108	515397	9.317	ppbv	96
15) Acetone	3.459	43	1146835	8.901	ppbv	98
16) 1,3-Butadiene	2.973	39	632908	10.092	ppbv	98
17) tert-Butyl alcohol	3.867	59	1108708	10.467	ppbv	98
18) 1,1-Dichloroethene	3.874	96	583649	9.905	ppbv	99
19) Isopropyl Alcohol	3.565	45	642159	10.340	ppbv #	97
20) Methylene Chloride	3.925	84	508851	9.253	ppbv	97
21) Allyl Chloride	3.989	41	758228	10.418	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	611983	10.122	ppbv	94
23) Vinyl Acetate	4.620	43	1375959	10.933	ppbv	99
24) 1,1-Dichloroethane	4.558	63	1226668	9.717	ppbv	99
25) Ethyl Acetate	5.198	43	2345041	10.044	ppbv	100
26) Hexane	5.208	57	1117015	10.104	ppbv	95
27) Carbon Disulfide	4.118	76	1501542	10.859	ppbv	100
28) Methyl tert-Butyl Ether	4.578	73	905075	10.634	ppbv	98
29) Chloroform	5.272	83	1820266	9.666	ppbv	98
30) Cyclohexane	6.600	84	921616	10.345	ppbv	98
31) cis-1,2-Dichloroethene	5.073	61	1109578	10.490	ppbv	94
32) 1,1,1-Trichloroethane	6.002	97	1852778	9.967	ppbv	100
34) 2-Butanone	4.780	43	1210716	9.202	ppbv	99
35) Carbon Tetrachloride	6.494	117	1886518	10.146	ppbv	98
36) Benzene	6.372	78	2306928	10.630	ppbv	98
37) 1,2-Dichloroethane	5.806	62	1383825	9.787	ppbv	99
38) Trichloroethene	7.291	130	921806	11.211	ppbv	96
39) 1,2-Dichloropropane	7.073	63	858945	10.267	ppbv	95
40) 1,4-Dioxane	7.288	88	237898	10.039	ppbv #	100
41) Tetrahydrofuran	5.552	42	800530	11.132	ppbv	100
42) Bromodichloromethane	7.250	83	1979348	10.166	ppbv	99
43) Methyl Methacrylate	7.475	69	899100	11.532	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3686851	10.395	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	725518	12.603	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	830887	11.840	ppbv	97
47) 1,1,2-Trichloroethane	8.902	97	942972	10.255	ppbv	97
48) Dibromochloromethane	9.716	129	1574380	10.710	ppbv	99
49) Bromoform	12.413	173	1198955	10.780	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	1901012	10.788	ppbv	99
51) 2-Hexanone	9.555	43	1367137	11.175	ppbv #	97
52) Tetrachloroethene	10.619	164	780387	11.452	ppbv	96
53) Toluene	9.227	91	2578951	11.282	ppbv	100
54) 1,2-Dibromoethane	10.015	107	1379469	11.444	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.516	131	1174945	9.351	ppbv	98
57) Chlorobenzene	11.536	112	1967358	9.737	ppbv	98
58) Ethyl Benzene	12.095	91	3492410	10.782	ppbv	99
59) m/p-Xylene	12.378	91	6021763m	20.230	ppbv	
60) o-Xylene	13.066	91	2892072	10.243	ppbv	100
61) Styrene	12.902	104	1476337	12.150	ppbv	99
62) Isopropylbenzene	14.037	105	4161731	9.916	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.056	83	1773686	9.702	ppbv	99
64) n-propylbenzene	14.925	120	1071519	10.055	ppbv	98
65) tert-Butylbenzene	16.098	119	3569143	9.912	ppbv	99
66) Benzyl Chloride	16.336	91	291224	10.495	ppbv	99
67) sec-Butylbenzene	16.645	105	5140755	9.791	ppbv	100
69) p-Isopropyltoluene	17.005	119	4215756	10.103	ppbv	99
70) n-Butylbenzene	17.896	91	4658700	10.002	ppbv	100
71) 2-Chlorotoluene	14.809	91	3251344	10.432	ppbv	100
72) 4-Ethyltoluene	15.201	105	3369607	10.596	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2906796	10.342	ppbv	99
74) 1,2,4-Trimethylbenzene	16.117	105	3231729	9.774	ppbv	99
75) 1,3-Dichlorobenzene	16.339	146	1831654	9.875	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	1791759	9.934	ppbv	100
77) 1,2-Dichlorobenzene	17.153	146	1685971	9.622	ppbv	99
78) Hexachloro-1,3-Butadiene	22.645	225	1201659	8.892	ppbv	99
79) Naphthalene	21.394	128	2470530	12.972	ppbv	99
80) Naphthalene,2-methyl-	24.381	142	864313	15.124	ppbv	99
81) 1,2,4-Trichlorobenzene	21.149	180	1400390	11.871	ppbv	100

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

