

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\
 Data File : VL040098.D
 Acq On : 16 Jan 2023 15:01
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL011623

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/17/2023
 Supervised By : Mahesh Dadoda 01/17/2023

Quant Time: Jan 16 15:31:11 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Mon Jan 16 14:40:47 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1235501	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	3204073	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	3206463m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2479411 9.304 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1927137	8.896	ppbv	99
3) Chlorodifluoromethane	2.664	51	1328993	8.968	ppbv	96
4) Chloromethane	2.803	50	850375	9.285	ppbv	98
5) Vinyl Chloride	2.912	62	730948	9.413	ppbv	100
6) Bromomethane	3.111	94	244992	8.647	ppbv	98
7) Chloroethane	3.189	64	273572	9.218	ppbv	97
8) Dichlorotetrafluoroethane	2.848	85	1743108	8.620	ppbv	97
9) Propene	2.684	41	588478	9.558	ppbv	99
10) Heptane	7.587	43	1411412	9.946	ppbv	98
11) Trichlorofluoromethane	3.558	101	1814554	8.393	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.063	101	1356031	8.343	ppbv	96
13) Ethanol	3.234	45	41644m	7.349	ppbv	
14) Bromoethene	3.359	108	526380	8.724	ppbv	96
15) Acetone	3.462	43	1269680	8.569	ppbv	99
16) 1,3-Butadiene	2.976	39	660256	9.558	ppbv	100
17) tert-Butyl alcohol	3.873	59	1278630	9.267	ppbv	99
18) 1,1-Dichloroethene	3.877	96	609402	8.630	ppbv	99
19) Isopropyl Alcohol	3.568	45	586128	8.085	ppbv	98
20) Methylene Chloride	3.928	84	540855	8.274	ppbv	94
21) Allyl Chloride	3.992	41	932759	9.804	ppbv	96
22) trans-1,2-Dichloroethene	4.443	96	629393	8.723	ppbv	90
23) Vinyl Acetate	4.626	43	427529	8.901	ppbv #	97
24) 1,1-Dichloroethane	4.565	63	1304325	8.967	ppbv	99
25) Ethyl Acetate	5.205	43	2619489	10.035	ppbv	99
26) Hexane	5.214	57	1135702	9.941	ppbv	96
27) Carbon Disulfide	4.121	76	1536683	10.383	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	1223922	9.523	ppbv	99
29) Chloroform	5.275	83	1846930	10.112	ppbv	97
30) Cyclohexane	6.610	84	937853	10.327	ppbv	97
31) cis-1,2-Dichloroethene	5.079	61	1009444	9.127	ppbv	96
32) 1,1,1-Trichloroethane	6.008	97	1820176	9.805	ppbv	99
34) 2-Butanone	4.787	43	1448154	9.555	ppbv	99
35) Carbon Tetrachloride	6.500	117	1866972	10.305	ppbv	96
36) Benzene	6.378	78	2364270	9.971	ppbv	98
37) 1,2-Dichloroethane	5.809	62	1435513	9.419	ppbv	99
38) Trichloroethene	7.301	130	1373844	10.209	ppbv	98
39) 1,2-Dichloropropane	7.079	63	914044	9.855	ppbv	96
40) 1,4-Dioxane	7.291	88	341048	9.266	ppbv	88
41) Tetrahydrofuran	5.558	42	924789	10.572	ppbv	99
42) Bromodichloromethane	7.259	83	2034192	9.885	ppbv	99
43) Methyl Methacrylate	7.481	69	953239	10.955	ppbv	98
44) 2,2,4-Trimethylpentane	7.336	57	3861260	9.792	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	912377	11.759	ppbv	99

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QLast Update : Mon Jan 16 14:40:47 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	1242085	11.715	ppbv	97
47) 1,1,2-Trichloroethane	8.909	97	957794	9.809	ppbv	97
48) Dibromochloromethane	9.722	129	1624880	10.354	ppbv	100
49) Bromoform	12.423	173	1244757	10.296	ppbv	100
50) 4-Methyl-2-Pentanone	8.192	43	2415727	10.134	ppbv	99
51) 2-Hexanone	9.565	43	1913123	10.593	ppbv #	98
52) Tetrachloroethene	10.632	164	798601	10.296	ppbv	97
53) Toluene	9.233	91	2656335	10.504	ppbv	99
54) 1,2-Dibromoethane	10.021	107	1098963	10.750	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.523	131	1146972	9.191	ppbv	98
57) Chlorobenzene	11.542	112	1981130	9.064	ppbv	95
58) Ethyl Benzene	12.105	91	3536440	9.883	ppbv	99
59) m/p-Xylene	12.388	91	6000678m	18.651	ppbv	
60) o-Xylene	13.076	91	2852794	9.341	ppbv	99
61) Styrene	12.912	104	1674949	10.525	ppbv	98
62) Isopropylbenzene	14.043	105	3979042	9.059	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	924513	8.338	ppbv	99
64) n-propylbenzene	14.934	120	993574	9.099	ppbv	100
65) tert-Butylbenzene	16.111	119	3385449	9.002	ppbv	99
66) Benzyl Chloride	16.349	91	226889	8.828	ppbv #	96
67) sec-Butylbenzene	16.654	105	4740814	8.892	ppbv	100
69) p-Isopropyltoluene	17.014	119	3833125	9.149	ppbv	100
70) n-Butylbenzene	17.902	91	4053388	8.971	ppbv	100
71) 2-Chlorotoluene	14.818	91	3051688	9.033	ppbv	99
72) 4-Ethyltoluene	15.211	105	3184598	9.398	ppbv	99
73) 1,3,5-Trimethylbenzene	15.371	105	2800438	9.178	ppbv	100
74) 1,2,4-Trimethylbenzene	16.127	105	3009317	8.904	ppbv	98
75) 1,3-Dichlorobenzene	16.349	146	1634929	8.709	ppbv	100
76) 1,4-Dichlorobenzene	16.494	146	1593819	8.635	ppbv	100
77) 1,2-Dichlorobenzene	17.162	146	1553556	8.654	ppbv	99
78) Hexachloro-1,3-Butadiene	22.660	225	1018586	7.747	ppbv	99
79) Naphthalene	21.407	128	2435818	12.580	ppbv	98
80) Naphthalene,2-methyl-	24.394	142	699148	10.716	ppbv	97
81) 1,2,4-Trichlorobenzene	21.162	180	1230540	10.311	ppbv	99

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

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