

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040398.D
 Acq On : 20 Apr 2023 9:50
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/22/2023
 Supervised By :Mahesh Dadoda 04/22/2023

Quant Time: Apr 20 10:33:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	1114483	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.635	114	2949252	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2867608m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.761	95	2181239	9.198	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	2316594	11.529	ppbv	99
3) Chlorodifluoromethane	2.652	51	1436205	9.862	ppbv	97
4) Chloromethane	2.790	50	958160	10.415	ppbv	96
5) Vinyl Chloride	2.899	62	814797	10.730	ppbv	100
6) Bromomethane	3.099	94	240381	9.608	ppbv	100
7) Chloroethane	3.172	64	290793	10.113	ppbv	94
8) Dichlorotetrafluoroethane	2.835	85	1874441	9.545	ppbv	98
9) Propene	2.671	41	676684	11.762	ppbv	97
10) Heptane	7.561	43	1577886	12.068	ppbv	100
11) Trichlorofluoromethane	3.542	101	1780883	8.755	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.044	101	1355138	9.525	ppbv	97
13) Ethanol	3.224	45	48853m	10.171	ppbv	
14) Bromoethene	3.343	108	559021	9.609	ppbv	99
15) Acetone	3.446	43	1390506	8.809	ppbv	99
16) 1,3-Butadiene	2.964	39	731514	11.198	ppbv	99
17) tert-Butyl alcohol	3.854	59	1431963	9.879	ppbv	100
18) 1,1-Dichloroethene	3.857	96	623748	9.721	ppbv	94
19) Isopropyl Alcohol	3.555	45	730317	10.140	ppbv #	98
20) Methylene Chloride	3.912	84	532857	8.455	ppbv	92
21) Allyl Chloride	3.973	41	992422	11.065	ppbv	98
22) trans-1,2-Dichloroethene	4.423	96	655276	10.215	ppbv	97
23) Vinyl Acetate	4.607	43	442573	11.012	ppbv #	94
24) 1,1-Dichloroethane	4.542	63	1342311	10.036	ppbv	99
25) Ethyl Acetate	5.182	43	2906107	10.941	ppbv	99
26) Hexane	5.192	57	1259452	11.248	ppbv	95
27) Carbon Disulfide	4.102	76	1556108	10.738	ppbv	100
28) Methyl tert-Butyl Ether	4.565	73	1280080	11.074	ppbv	98
29) Chloroform	5.256	83	1925655	9.654	ppbv	99
30) Cyclohexane	6.581	84	1046778	12.070	ppbv	98
31) cis-1,2-Dichloroethene	5.060	61	1220268	10.995	ppbv	98
32) 1,1,1-Trichloroethane	5.983	97	1880974	9.705	ppbv	99
34) 2-Butanone	4.764	43	1536337	9.661	ppbv	98
35) Carbon Tetrachloride	6.471	117	1900074	9.152	ppbv	96
36) Benzene	6.352	78	2633364	10.944	ppbv	99
37) 1,2-Dichloroethane	5.787	62	1474824	9.331	ppbv	98
38) Trichloroethene	7.272	130	1518125	11.085	ppbv	95
39) 1,2-Dichloropropane	7.057	63	1009680	10.664	ppbv	95
40) 1,4-Dioxane	7.269	88	409119	11.283	ppbv #	96
41) Tetrahydrofuran	5.536	42	1035542	11.890	ppbv	98
42) Bromodichloromethane	7.233	83	2078939	9.632	ppbv	99
43) Methyl Methacrylate	7.459	69	1049291	11.741	ppbv	99
44) 2,2,4-Trimethylpentane	7.307	57	4335277	10.787	ppbv	97
45) t-1,3-Dichloropropene	8.696	75	971571	12.170	ppbv	95

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

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

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	1318645	11.867	ppbv	97
47) 1,1,2-Trichloroethane	8.883	97	1045848	10.075	ppbv	98
48) Dibromochloromethane	9.693	129	1693756	10.131	ppbv	100
49) Bromoform	12.394	173	1339529	10.273	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	2641269	10.954	ppbv	98
51) 2-Hexanone	9.532	43	2093594	11.750	ppbv #	97
52) Tetrachloroethene	10.600	164	885966	11.771	ppbv	96
53) Toluene	9.204	91	2962480	11.613	ppbv	100
54) 1,2-Dibromoethane	9.995	107	1143173	10.862	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.494	131	1226373	9.369	ppbv	95
57) Chlorobenzene	11.510	112	2208760	9.837	ppbv	97
58) Ethyl Benzene	12.072	91	3894023	11.039	ppbv	96
59) m/p-Xylene	12.359	91	6475901m	19.963	ppbv	
60) o-Xylene	13.044	91	3086647	9.914	ppbv	97
61) Styrene	12.883	104	1878550	12.045	ppbv	97
62) Isopropylbenzene	14.015	105	4376509	9.761	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.034	83	966355	8.482	ppbv	100
64) n-propylbenzene	14.905	120	1168397	10.591	ppbv	89
65) tert-Butylbenzene	16.076	119	3880057	9.836	ppbv	96
66) Benzyl Chloride	16.313	91	248968	10.194	ppbv	99
67) sec-Butylbenzene	16.622	105	5475780	9.664	ppbv	98
69) p-Isopropyltoluene	16.982	119	4574422	10.339	ppbv	97
70) n-Butylbenzene	17.876	91	4931832	10.055	ppbv	99
71) 2-Chlorotoluene	14.789	91	3367968	9.784	ppbv	97
72) 4-Ethyltoluene	15.178	105	3572840	10.395	ppbv	98
73) 1,3,5-Trimethylbenzene	15.339	105	3219130	10.139	ppbv	97
74) 1,2,4-Trimethylbenzene	16.095	105	3454956	9.521	ppbv	95
75) 1,3-Dichlorobenzene	16.313	146	1994630	10.035	ppbv	99
76) 1,4-Dichlorobenzene	16.461	146	1944782	9.903	ppbv	99
77) 1,2-Dichlorobenzene	17.130	146	1959517	9.970	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1646618	10.450	ppbv	99
79) Naphthalene	21.371	128	3540960	14.456	ppbv	98
80) Naphthalene,2-methyl-	24.365	142	959276	13.156	ppbv	94
81) 1,2,4-Trichlorobenzene	21.127	180	1817641	12.075	ppbv	99

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

