

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
 Data File : VL040506.D
 Acq On : 10 Jul 2023 11:48
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023

Quant Time: Jul 10 12:19:04 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.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	5.202	49	1130444	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.664	114	3041156	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2935383m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2245741 9.270 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.739	85	2063572	8.388	ppbv	100
3) Chlorodifluoromethane	2.684	51	1658466	8.958	ppbv	95
4) Chloromethane	2.822	50	674207	9.407	ppbv	96
5) Vinyl Chloride	2.928	62	684360	9.568	ppbv	99
6) Bromomethane	3.128	94	288315	7.786	ppbv	100
7) Chloroethane	3.205	64	244402	9.149	ppbv	97
8) Dichlorotetrafluoroethane	2.867	85	1721283	8.859	ppbv	99
9) Propene	2.703	41	576666	10.100	ppbv	98
10) Heptane	7.590	43	1397960	10.817	ppbv	100
11) Trichlorofluoromethane	3.571	101	1649730	8.234	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.073	101	1179122	8.426	ppbv	94
13) Ethanol	3.247	45	112111	9.482	ppbv	97
14) Bromoethene	3.375	108	523456	8.942	ppbv	100
15) Acetone	3.475	43	1168425	8.569	ppbv	97
16) 1,3-Butadiene	2.993	39	649295	9.784	ppbv	100
17) tert-Butyl alcohol	3.883	59	1316785	11.748	ppbv	100
18) 1,1-Dichloroethene	3.890	96	551979	8.852	ppbv	96
19) Isopropyl Alcohol	3.581	45	744782	11.333	ppbv #	94
20) Methylene Chloride	3.941	84	461637	7.933	ppbv	98
21) Allyl Chloride	4.005	41	716765	9.307	ppbv	96
22) trans-1,2-Dichloroethene	4.452	96	572562	8.949	ppbv	91
23) Vinyl Acetate	4.636	43	1282103	9.627	ppbv	99
24) 1,1-Dichloroethane	4.571	63	1168750	8.749	ppbv	100
25) Ethyl Acetate	5.211	43	2429395	9.833	ppbv	99
26) Hexane	5.221	57	1114801	9.529	ppbv	98
27) Carbon Disulfide	4.131	76	1419577	9.702	ppbv	99
28) Methyl tert-Butyl Ether	4.594	73	899567	9.988	ppbv	100
29) Chloroform	5.285	83	1793295	8.999	ppbv	100
30) Cyclohexane	6.610	84	946507	10.040	ppbv	97
31) cis-1,2-Dichloroethene	5.086	61	1151004	10.283	ppbv	94
32) 1,1,1-Trichloroethane	6.012	97	1782179	9.060	ppbv	99
34) 2-Butanone	4.793	43	1495319	10.197	ppbv	97
35) Carbon Tetrachloride	6.504	117	1818150	8.773	ppbv	98
36) Benzene	6.382	78	2406199	9.947	ppbv	96
37) 1,2-Dichloroethane	5.816	62	1331148	8.447	ppbv	98
38) Trichloroethene	7.304	130	950519	10.371	ppbv	96
39) 1,2-Dichloropropane	7.082	63	926321	9.933	ppbv	92
40) 1,4-Dioxane	7.298	88	287852	10.898	ppbv #	100
41) Tetrahydrofuran	5.565	42	892472	11.134	ppbv	99
42) Bromodichloromethane	7.259	83	1961303	9.038	ppbv	99
43) Methyl Methacrylate	7.484	69	977907	11.253	ppbv	97
44) 2,2,4-Trimethylpentane	7.336	57	3885124	9.828	ppbv	97
45) t-1,3-Dichloropropene	8.722	75	687971	10.722	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
 Data File : VL040506.D
 Acq On : 10 Jul 2023 11:48
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 10 12:19:04 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.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)
46) cis-1,3-Dichloropropene	8.153	75	840968	10.751	ppbv	92
47) 1,1,2-Trichloroethane	8.909	97	1003390	9.790	ppbv	98
48) Dibromochloromethane	9.722	129	1684752	10.282	ppbv	99
49) Bromoform	12.423	173	1401897	11.308	ppbv	100
50) 4-Methyl-2-Pentanone	8.192	43	2258296	11.498	ppbv	96
51) 2-Hexanone	9.561	43	1722535	12.633	ppbv #	95
52) Tetrachloroethene	10.626	164	863481	11.368	ppbv	99
53) Toluene	9.230	91	2805305	11.011	ppbv	100
54) 1,2-Dibromoethane	10.021	107	1379084	10.264	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.520	131	1245580	9.028	ppbv	99
57) Chlorobenzene	11.536	112	2191505	9.877	ppbv	94
58) Ethyl Benzene	12.102	91	3803282	10.694	ppbv	96
59) m/p-Xylene	12.384	91	6433871m	19.684	ppbv	
60) o-Xylene	13.069	91	3066943	9.892	ppbv	98
61) Styrene	12.912	104	1659366	12.437	ppbv	97
62) Isopropylbenzene	14.040	105	4556156	9.886	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	2124742	10.584	ppbv	99
64) n-propylbenzene	14.931	120	1222083	10.444	ppbv	93
65) tert-Butylbenzene	16.101	119	4056621	10.260	ppbv	95
66) Benzyl Chloride	16.336	91	320310	10.512	ppbv	95
67) sec-Butylbenzene	16.648	105	5832867	10.117	ppbv	99
69) p-Isopropyltoluene	17.005	119	4954335	10.813	ppbv	98
70) n-Butylbenzene	17.896	91	5436083	10.629	ppbv	98
71) 2-Chlorotoluene	14.812	91	3565536	10.419	ppbv	98
72) 4-Ethyltoluene	15.204	105	3761898	10.773	ppbv	97
73) 1,3,5-Trimethylbenzene	15.362	105	3267910	10.588	ppbv	97
74) 1,2,4-Trimethylbenzene	16.117	105	3605174	9.929	ppbv	94
75) 1,3-Dichlorobenzene	16.343	146	2193826	10.772	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	2184187	11.029	ppbv	98
77) 1,2-Dichlorobenzene	17.153	146	2128490	11.063	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1858965	12.528	ppbv	100
79) Naphthalene	21.394	128	3823227	18.283	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	1751952	27.919	ppbv	96
81) 1,2,4-Trichlorobenzene	21.149	180	2239038	17.285	ppbv	100

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

