

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039579.D
 Acq On : 25 Aug 2022 15:20
 Operator : SY/AP
 Sample : VISTCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Aug 26 06:06:29 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 08/29/2022
 Supervised By : Semsettin Yesilyurt 08/29/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.201	49	1087279	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2874742	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2718609	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1997889	9.741	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.748	85	1926588	13.316	ppbv	99
3) Chlorodifluoromethane	2.693	51	1233302	9.521	ppbv	95
4) Chloromethane	2.832	50	744228	9.538	ppbv	98
5) Vinyl Chloride	2.938	62	668237	10.611	ppbv	99
6) Bromomethane	3.137	94	258903	9.694	ppbv	98
7) Chloroethane	3.214	64	238947	10.128	ppbv	96
8) Dichlorotetrafluoroethane	2.877	85	1556776	10.058	ppbv	95
9) Propene	2.713	41	587320	9.908	ppbv	98
10) Heptane	7.584	43	1449778	10.561	ppbv	99
11) Trichlorofluoromethane	3.581	101	1488652	9.375	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.082	101	1126317	9.590	ppbv	99
13) Ethanol	3.253	45	41429	9.725	ppbv	82
14) Bromoethene	3.385	108	499168	10.402	ppbv	99
15) Acetone	3.484	43	1160310	9.527	ppbv	100
16) 1,3-Butadiene	3.002	39	638171	10.042	ppbv	98
17) tert-Butyl alcohol	3.893	59	1070584	10.299	ppbv	98
18) 1,1-Dichloroethene	3.893	96	511307	9.666	ppbv	98
19) Isopropyl Alcohol	3.591	45	643421	10.860	ppbv #	96
20) Methylene Chloride	3.951	84	427691	8.644	ppbv	98
21) Allyl Chloride	4.012	41	837277	10.568	ppbv	99
22) trans-1,2-Dichloroethene	4.459	96	519029	9.865	ppbv	97
23) Vinyl Acetate	4.639	43	614753	10.615	ppbv	99
24) 1,1-Dichloroethane	4.578	63	1053542	9.828	ppbv	98
25) Ethyl Acetate	5.214	43	2598029	9.969	ppbv	100
26) Hexane	5.224	57	1080807	10.161	ppbv	97
27) Carbon Disulfide	4.137	76	1356382	11.937	ppbv	99
28) Methyl tert-Butyl Ether	4.600	73	921598	10.044	ppbv	99
29) Chloroform	5.288	83	1614703	9.707	ppbv	97
30) Cyclohexane	6.606	84	893383	10.143	ppbv	95
31) cis-1,2-Dichloroethene	5.089	61	1057529	10.265	ppbv	99
32) 1,1,1-Trichloroethane	6.012	97	1565097	10.695	ppbv	99
34) 2-Butanone	4.799	43	1492421	10.443	ppbv	99
35) Carbon Tetrachloride	6.500	117	1699623	10.937	ppbv	99
36) Benzene	6.378	78	2269667	10.357	ppbv	97
37) 1,2-Dichloroethane	5.816	62	1186156	9.827	ppbv	99
38) Trichloroethene	7.295	130	1241722	10.576	ppbv	97
39) 1,2-Dichloropropane	7.079	63	867427	10.528	ppbv	94
40) 1,4-Dioxane	7.291	88	333357	10.335	ppbv #	1
41) Tetrahydrofuran	5.568	42	937959	10.986	ppbv	97
42) Bromodichloromethane	7.253	83	1763514	10.677	ppbv	99
43) Methyl Methacrylate	7.481	69	894525	11.320	ppbv	98
44) 2,2,4-Trimethylpentane	7.333	57	3782807	10.240	ppbv	98
45) t-1,3-Dichloropropene	8.713	75	908715	13.205	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 2022

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1198153	12.570	ppbv	95
47) 1,1,2-Trichloroethane	8.899	97	928816	9.871	ppbv	98
48) Dibromochloromethane	9.712	129	1624895	11.715	ppbv	99
49) Bromoform	12.407	173	1379204	12.005	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2335530	10.489	ppbv	99
51) 2-Hexanone	9.555	43	1820587	11.110	ppbv #	100
52) Tetrachloroethene	10.616	164	867522	10.464	ppbv	93
53) Toluene	9.224	91	2663693	10.861	ppbv	100
54) 1,2-Dibromoethane	10.012	107	1126975	10.709	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.510	131	1141664	10.335	ppbv	98
57) Chlorobenzene	11.529	112	1968938	9.708	ppbv	99
58) Ethyl Benzene	12.092	91	3456246	11.065	ppbv	100
59) m/p-Xylene	12.375	91	5810215m	20.734	ppbv	
60) o-Xylene	13.063	91	2772175	10.306	ppbv	99
61) Styrene	12.902	104	1702425	11.883	ppbv	99
62) Isopropylbenzene	14.034	105	4037590	9.926	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	1138934	8.941	ppbv	100
64) n-propylbenzene	14.921	120	1060714	10.034	ppbv	100
65) tert-Butylbenzene	16.095	119	3562200	9.852	ppbv	99
66) Benzyl Chloride	16.330	91	414712	14.120	ppbv	95
67) sec-Butylbenzene	16.638	105	4949697	9.665	ppbv	99
69) p-Isopropyltoluene	16.998	119	4164827	9.797	ppbv	99
70) n-Butylbenzene	17.892	91	4092294	9.676	ppbv	100
71) 2-Chlorotoluene	14.802	91	2972788	10.091	ppbv	99
72) 4-Ethyltoluene	15.195	105	3297973	10.486	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2915745	10.145	ppbv	99
74) 1,2,4-Trimethylbenzene	16.114	105	3115205	9.727	ppbv	93
75) 1,3-Dichlorobenzene	16.333	146	1887347	9.693	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1853585	9.555	ppbv	98
77) 1,2-Dichlorobenzene	17.143	146	1804425	9.464	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	1477851	9.732	ppbv	99
79) Naphthalene	21.384	128	3124895	13.701	ppbv	98
80) Naphthalene,2-methyl-	24.377	142	1379218	14.900	ppbv	99
81) 1,2,4-Trichlorobenzene	21.140	180	1736370	11.401	ppbv	100

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

