

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040048.D
 Acq On : 20 Dec 2022 8:13
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/20/2022
 Supervised By : Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 09:04:08 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.163	49	923862	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.623	114	2769044	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	2510272m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 1929852 10.064 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.703	85	1349065	7.801	ppbv	97
3) Chlorodifluoromethane	2.648	51	1148679	8.427	ppbv	98
4) Chloromethane	2.787	50	670853	7.855	ppbv	96
5) Vinyl Chloride	2.893	62	623865	9.028	ppbv	100
6) Bromomethane	3.092	94	258989	10.200	ppbv	95
7) Chloroethane	3.173	64	220007	8.438	ppbv	89
8) Dichlorotetrafluoroethane	2.832	85	1481551	8.143	ppbv	100
9) Propene	2.668	41	518739	8.967	ppbv	99
10) Heptane	7.549	43	1254180	8.900	ppbv	100
11) Trichlorofluoromethane	3.533	101	1543118	8.212	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.037	101	1160689	8.156	ppbv	97
13) Ethanol	3.218	45	33086m	6.967	ppbv	
14) Bromoethene	3.340	108	465127	8.679	ppbv	98
15) Acetone	3.439	43	1179673	8.254	ppbv	100
16) 1,3-Butadiene	2.957	39	550882	8.868	ppbv	96
17) tert-Butyl alcohol	3.848	59	1283604	9.174	ppbv	100
18) 1,1-Dichloroethene	3.851	96	509928	8.232	ppbv	96
19) Isopropyl Alcohol	3.546	45	569743	8.089	ppbv #	32
20) Methylene Chloride	3.902	84	450048	7.408	ppbv	96
21) Allyl Chloride	3.967	41	766751	8.928	ppbv	99
22) trans-1,2-Dichloroethene	4.417	96	532581	8.626	ppbv	97
23) Vinyl Acetate	4.591	43	215649	4.758	ppbv	99
24) 1,1-Dichloroethane	4.533	63	1117973	8.402	ppbv	98
25) Ethyl Acetate	5.172	43	2335763	9.437	ppbv	99
26) Hexane	5.182	57	895048	8.604	ppbv	88
27) Carbon Disulfide	4.095	76	1255980	9.572	ppbv	99
28) Methyl tert-Butyl Ether	4.555	73	1059677	8.643	ppbv	100
29) Chloroform	5.243	83	1287541	8.111	ppbv	97
30) Cyclohexane	6.571	84	865920	9.399	ppbv	94
31) cis-1,2-Dichloroethene	5.047	61	851713	8.597	ppbv	97
32) 1,1,1-Trichloroethane	5.973	97	1559146	9.146	ppbv	99
34) 2-Butanone	4.754	43	1261476	8.631	ppbv	98
35) Carbon Tetrachloride	6.462	117	1596812	9.270	ppbv	97
36) Benzene	6.340	78	2114219	8.549	ppbv	98
37) 1,2-Dichloroethane	5.774	62	1169131	8.059	ppbv	100
38) Trichloroethene	7.259	130	976917	7.645	ppbv	99
39) 1,2-Dichloropropane	7.044	63	800999	8.641	ppbv	98
40) 1,4-Dioxane	7.259	88	346376	8.239	ppbv	86
41) Tetrahydrofuran	5.526	42	823112	9.066	ppbv	99
42) Bromodichloromethane	7.217	83	1729016	8.716	ppbv	96
43) Methyl Methacrylate	7.442	69	871429	9.389	ppbv	98
44) 2,2,4-Trimethylpentane	7.295	57	3459841	8.498	ppbv	99
45) t-1,3-Dichloropropene	8.680	75	695974	8.874	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.111	75	975821	8.820	ppbv	99
47) 1,1,2-Trichloroethane	8.867	97	872388	8.602	ppbv	99
48) Dibromochloromethane	9.677	129	1426071	9.226	ppbv	100
49) Bromoform	12.378	173	1143014	9.707	ppbv	99
50) 4-Methyl-2-Pentanone	8.150	43	2115162	8.619	ppbv	100
51) 2-Hexanone	9.523	43	1640047	8.618	ppbv #	100
52) Tetrachloroethene	10.584	164	708266	8.369	ppbv	97
53) Toluene	9.192	91	2390938	8.732	ppbv	98
54) 1,2-Dibromoethane	9.979	107	1100175	10.132	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.481	131	1074059	9.270	ppbv	98
57) Chlorobenzene	11.497	112	1796102	8.429	ppbv	96
58) Ethyl Benzene	12.060	91	3205526	8.988	ppbv	97
59) m/p-Xylene	12.343	91	5345392m	17.207	ppbv	
60) o-Xylene	13.031	91	2542455	8.546	ppbv	99
61) Styrene	12.870	104	1486477	9.369	ppbv	99
62) Isopropylbenzene	14.002	105	3873910	9.027	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.018	83	1416175	12.936	ppbv	99
64) n-propylbenzene	14.889	120	999686	9.253	ppbv	90
65) tert-Butylbenzene	16.063	119	3362524	9.023	ppbv	99
66) Benzyl Chloride	16.301	91	157582m	8.312	ppbv	
67) sec-Butylbenzene	16.609	105	4691514	8.976	ppbv	98
69) p-Isopropyltoluene	16.969	119	3742787	8.965	ppbv	99
70) n-Butylbenzene	17.860	91	3872414	8.878	ppbv	97
71) 2-Chlorotoluene	14.773	91	2877121	8.787	ppbv	98
72) 4-Ethyltoluene	15.162	105	2914045	8.816	ppbv	99
73) 1,3,5-Trimethylbenzene	15.323	105	2576736	8.618	ppbv	99
74) 1,2,4-Trimethylbenzene	16.082	105	2752017	8.376	ppbv	95
75) 1,3-Dichlorobenzene	16.304	146	1483603	8.269	ppbv	99
76) 1,4-Dichlorobenzene	16.445	146	1442522	8.144	ppbv	98
77) 1,2-Dichlorobenzene	17.117	146	1454597	8.429	ppbv	99
78) Hexachloro-1,3-Butadiene	22.599	225	914145m	7.663	ppbv	
79) Naphthalene	21.358	128	1799037	9.217	ppbv	97
80) Naphthalene,2-methyl-	24.358	142	350783	6.263	ppbv	96
81) 1,2,4-Trichlorobenzene	21.108	180	943870	8.166	ppbv	99

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

