

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120222\
 Data File : VL039968.D
 Acq On : 2 Dec 2022 13:36
 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 12/05/2022
 Supervised By : Mahesh Dadoda 12/05/2022

Quant Time: Dec 02 23:23:02 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

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

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.157	49	1108037	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.616	114	3104046	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.433	117	3048560	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.741 95 2340695 10.052 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.697	85	1694008	10.675	ppbv	96
3) Chlorodifluoromethane	2.642	51	1230121	8.045	ppbv	97
4) Chloromethane	2.780	50	682169	6.982	ppbv	95
5) Vinyl Chloride	2.890	62	645996	8.461	ppbv	95
6) Bromomethane	3.086	94	279682	10.739	ppbv	97
7) Chloroethane	3.166	64	231358	7.666	ppbv	92
8) Dichlorotetrafluoroethane	2.825	85	1631700	9.005	ppbv	99
9) Propene	2.661	41	539234	7.487	ppbv	100
10) Heptane	7.545	43	1352173	7.780	ppbv	98
11) Trichlorofluoromethane	3.530	101	1708428	8.826	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.031	101	1277994	8.724	ppbv	95
13) Ethanol	3.211	45	33911m	6.167	ppbv	
14) Bromoethene	3.333	108	510271	8.932	ppbv	99
15) Acetone	3.433	43	1093203	7.438	ppbv	98
16) 1,3-Butadiene	2.951	39	591611	8.077	ppbv	99
17) tert-Butyl alcohol	3.841	59	1301574	7.703	ppbv	99
18) 1,1-Dichloroethene	3.845	96	557459	8.342	ppbv	99
19) Isopropyl Alcohol	3.539	45	561051	7.051	ppbv #	33
20) Methylene Chloride	3.899	84	466798	6.556	ppbv	95
21) Allyl Chloride	3.960	41	789927	7.748	ppbv	99
22) trans-1,2-Dichloroethene	4.411	96	582035	8.565	ppbv	97
23) Vinyl Acetate	4.587	43	201025m	3.329	ppbv	
24) 1,1-Dichloroethane	4.530	63	1183343	8.128	ppbv	99
25) Ethyl Acetate	5.169	43	2719885	10.080	ppbv	98
26) Hexane	5.179	57	1016140	8.620	ppbv	86
27) Carbon Disulfide	4.089	76	1367606	9.190	ppbv	98
28) Methyl tert-Butyl Ether	4.552	73	1141345	7.733	ppbv	98
29) Chloroform	5.240	83	1702747	10.870	ppbv	99
30) Cyclohexane	6.565	84	922260	7.973	ppbv	95
31) cis-1,2-Dichloroethene	5.044	61	914654	8.398	ppbv	99
32) 1,1,1-Trichloroethane	5.967	97	1770236	9.049	ppbv	99
34) 2-Butanone	4.751	43	1277477	8.601	ppbv	96
35) Carbon Tetrachloride	6.459	117	1843581	10.458	ppbv	97
36) Benzene	6.333	78	2300802	8.720	ppbv	98
37) 1,2-Dichloroethane	5.771	62	1309647	9.058	ppbv	99
38) Trichloroethene	7.256	130	1115582	7.564	ppbv	97
39) 1,2-Dichloropropane	7.037	63	862808	8.393	ppbv	94
40) 1,4-Dioxane	7.253	88	368704	9.004	ppbv	88
41) Tetrahydrofuran	5.523	42	880936	8.591	ppbv	97
42) Bromodichloromethane	7.211	83	1940463	9.896	ppbv	98
43) Methyl Methacrylate	7.439	69	970255	9.380	ppbv	98
44) 2,2,4-Trimethylpentane	7.291	57	3714906	8.434	ppbv	99
45) t-1,3-Dichloropropene	8.677	75	840948	8.799	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.108	75	1150835	8.692	ppbv	96
47) 1,1,2-Trichloroethane	8.864	97	975860	9.237	ppbv	98
48) Dibromochloromethane	9.677	129	1635187	10.567	ppbv	100
49) Bromoform	12.375	173	1314975	10.498	ppbv	99
50) 4-Methyl-2-Pentanone	8.147	43	2307241	8.674	ppbv	99
51) 2-Hexanone	9.516	43	1810311	8.767	ppbv #	100
52) Tetrachloroethene	10.581	164	796115	8.066	ppbv	93
53) Toluene	9.189	91	2641160	8.787	ppbv	99
54) 1,2-Dibromoethane	9.976	107	1253750	11.120	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.475	131	1240456	9.954	ppbv	97
57) Chlorobenzene	11.494	112	2023951	8.683	ppbv	98
58) Ethyl Benzene	12.053	91	3591185	8.683	ppbv	97
59) m/p-Xylene	12.340	91	6048916m	17.475	ppbv	
60) o-Xylene	13.028	91	2902038	8.791	ppbv	98
61) Styrene	12.864	104	1717629	8.717	ppbv	100
62) Isopropylbenzene	13.999	105	4371733	9.184	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.018	83	1600488	14.520	ppbv	99
64) n-propylbenzene	14.883	120	1145245	9.197	ppbv	90
65) tert-Butylbenzene	16.063	119	3852217	9.250	ppbv	99
66) Benzyl Chloride	16.301	91	211783m	5.934	ppbv	
67) sec-Butylbenzene	16.606	105	5364936	9.370	ppbv	98
69) p-Isopropyltoluene	16.966	119	4411582	9.353	ppbv	99
70) n-Butylbenzene	17.857	91	4527020	9.681	ppbv	99
71) 2-Chlorotoluene	14.767	91	3332963	9.237	ppbv	99
72) 4-Ethyltoluene	15.163	105	3350888	9.031	ppbv	98
73) 1,3,5-Trimethylbenzene	15.320	105	2999021	8.829	ppbv	99
74) 1,2,4-Trimethylbenzene	16.079	105	3215262	8.941	ppbv	93
75) 1,3-Dichlorobenzene	16.301	146	1818405	8.987	ppbv	99
76) 1,4-Dichlorobenzene	16.442	146	1750387	8.727	ppbv	98
77) 1,2-Dichlorobenzene	17.111	146	1733612	8.887	ppbv	98
78) Hexachloro-1,3-Butadiene	22.600	225	1218925	9.006	ppbv	100
79) Naphthalene	21.349	128	2501090	11.620	ppbv	99
80) Naphthalene,2-methyl-	24.345	142	678578	11.210	ppbv	94
81) 1,2,4-Trichlorobenzene	21.108	180	1279203	9.624	ppbv	99

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

