

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051122\
 Data File : VL039032.D
 Acq On : 12 May 2022 9:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/15/2022
 Supervised By : Mahesh Dadoda 05/16/2022

Quant Time: May 13 01:19:20 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 13 01:19:20 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.642	49	981070	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.147	114	2684585	10.000	ppbv	-0.03
55) Chlorobenzene-d5	12.050	117	2512723	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.378 95 1788460 8.987 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 89.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.038	85	1141786	7.428	ppbv	97
3) Chlorodifluoromethane	2.980	51	1157804	9.511	ppbv	95
4) Chloromethane	3.131	50	541796	8.887	ppbv	98
5) Vinyl Chloride	3.247	62	545622	9.801	ppbv	95
6) Bromomethane	3.462	94	245962	9.353	ppbv	93
7) Chloroethane	3.546	64	178019	9.554	ppbv	95
8) Dichlorotetrafluoroethane	3.176	85	1317707	9.459	ppbv	99
9) Propene	2.999	41	584945	11.003	ppbv	95
10) Heptane	8.092	43	1384976	10.619	ppbv	99
11) Trichlorofluoromethane	3.935	101	1190167	9.024	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.465	101	864414	9.514	ppbv	95
13) Ethanol	3.591	45	45338	12.051	ppbv	97
14) Bromoethene	3.726	108	365431	9.754	ppbv	98
15) Acetone	3.829	43	924182	9.986	ppbv	98
16) 1,3-Butadiene	3.317	39	526231	9.897	ppbv	99
17) tert-Butyl alcohol	4.263	59	853085	11.994	ppbv	99
18) 1,1-Dichloroethene	4.272	96	378169	9.671	ppbv	96
19) Isopropyl Alcohol	3.941	45	529649	12.037	ppbv #	98
20) Methylene Chloride	4.327	84	329267	9.440	ppbv	97
21) Allyl Chloride	4.391	41	618471	9.807	ppbv	98
22) trans-1,2-Dichloroethene	4.867	96	417760	9.891	ppbv	91
23) Vinyl Acetate	5.047	43	630307	8.608	ppbv #	98
24) 1,1-Dichloroethane	4.989	63	822195	9.751	ppbv	99
25) Ethyl Acetate	5.648	43	2550221	11.513	ppbv	99
26) Hexane	5.665	57	1046305	10.631	ppbv	95
27) Carbon Disulfide	4.533	76	960654	10.275	ppbv	99
28) Methyl tert-Butyl Ether	5.009	73	784630	10.479	ppbv	99
29) Chloroform	5.729	83	1557775	9.783	ppbv	97
30) Cyclohexane	7.105	84	876726	10.640	ppbv	94
31) cis-1,2-Dichloroethene	5.526	61	971507	9.689	ppbv	88
32) 1,1,1-Trichloroethane	6.484	97	1540654	9.677	ppbv	98
34) 2-Butanone	5.218	43	1176595	8.591	ppbv	100
35) Carbon Tetrachloride	6.989	117	1551731	8.772	ppbv	99
36) Benzene	6.864	78	2170347	9.447	ppbv	98
37) 1,2-Dichloroethane	6.282	62	1143674	8.046	ppbv #	96
38) Trichloroethene	7.803	130	827807	8.105	ppbv	97
39) 1,2-Dichloropropane	7.584	63	830638	9.292	ppbv	99
40) 1,4-Dioxane	7.803	88	243636	7.588	ppbv #	1
41) Tetrahydrofuran	6.021	42	883606	9.599	ppbv	99
42) Bromodichloromethane	7.761	83	1696422	8.729	ppbv	100
43) Methyl Methacrylate	7.986	69	918489	9.848	ppbv	97
44) 2,2,4-Trimethylpentane	7.841	57	3571101	8.858	ppbv	98
45) t-1,3-Dichloropropene	9.243	75	687867	7.619	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.671	75	960968	8.026	ppbv	93
47) 1,1,2-Trichloroethane	9.442	97	879379	9.459	ppbv	99
48) Dibromochloromethane	10.272	129	1406075	9.292	ppbv	100
49) Bromoform	13.005	173	1115297	9.664	ppbv	99
50) 4-Methyl-2-Pentanone	8.706	43	2173084	9.048	ppbv	98
51) 2-Hexanone	10.098	43	1612271	9.198	ppbv #	97
52) Tetrachloroethene	11.188	164	747663	9.107	ppbv	96
53) Toluene	9.770	91	2519272	9.784	ppbv	100
54) 1,2-Dibromoethane	10.574	107	1257851	9.938	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.092	131	1058401	9.600	ppbv	96
57) Chlorobenzene	12.111	112	1761141	9.350	ppbv	94
58) Ethyl Benzene	12.674	91	3355704	9.280	ppbv	98
59) m/p-Xylene	12.963	91	5545349m	17.963	ppbv	
60) o-Xylene	13.658	91	2578173	8.873	ppbv	97
61) Styrene	13.491	104	1509635	9.732	ppbv	96
62) Isopropylbenzene	14.632	105	4021350	9.464	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.638	83	1773517	10.366	ppbv	100
64) n-propylbenzene	15.529	120	1017635	9.906	ppbv	97
65) tert-Butylbenzene	16.709	119	3419796	9.186	ppbv	95
66) Benzyl Chloride	16.947	91	206171	4.237	ppbv	96
67) sec-Butylbenzene	17.259	105	4940017	9.288	ppbv	100
69) p-Isopropyltoluene	17.613	119	4037139	9.395	ppbv	97
70) n-Butylbenzene	18.513	91	4280063	9.376	ppbv	99
71) 2-Chlorotoluene	15.417	91	2987620	9.121	ppbv	97
72) 4-Ethyltoluene	15.802	105	3116141	9.412	ppbv	98
73) 1,3,5-Trimethylbenzene	15.960	105	2807115	9.418	ppbv	96
74) 1,2,4-Trimethylbenzene	16.725	105	2960259	9.070	ppbv	98
75) 1,3-Dichlorobenzene	16.957	146	1642404	9.185	ppbv	99
76) 1,4-Dichlorobenzene	17.101	146	1610440	9.155	ppbv	98
77) 1,2-Dichlorobenzene	17.780	146	1656605	9.367	ppbv	99
78) Hexachloro-1,3-Butadiene	23.339	225	1229595	7.565	ppbv	100
79) Naphthalene	22.149	128	2394065	9.031	ppbv	99
80) Naphthalene,2-methyl-	24.937	142	604290	7.535	ppbv	97
81) 1,2,4-Trichlorobenzene	21.876	180	1304836	8.400	ppbv	99

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

