

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
 Data File : VL039318.D
 Acq On : 16 Jun 2022 12:04
 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 :Mahesh Dadoda 06/17/2022
 Supervised By :Semsettin Yesilyurt 06/17/2022

Quant Time: Jun 16 12:39:22 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 12:39:22 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.655	49	1322983	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.163	114	3681476	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.069	117	3453011m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.397 95 2674887 9.370 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	1741065	7.493	ppbv	100
3) Chlorodifluoromethane	2.983	51	1489611	8.849	ppbv	96
4) Chloromethane	3.134	50	757467	8.760	ppbv	97
5) Vinyl Chloride	3.253	62	753963	9.328	ppbv	97
6) Bromomethane	3.472	94	349471	8.789	ppbv	96
7) Chloroethane	3.552	64	283624	10.070	ppbv	90
8) Dichlorotetrafluoroethane	3.182	85	1850181	8.712	ppbv	97
9) Propene	3.005	41	659796	8.989	ppbv	99
10) Heptane	8.108	43	1731656	10.113	ppbv	98
11) Trichlorofluoromethane	3.944	101	1755808	8.347	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.478	101	1304776	9.380	ppbv	99
13) Ethanol	3.591	45	42002	10.493	ppbv #	100
14) Bromoethene	3.735	108	547598	8.757	ppbv	97
15) Acetone	3.838	43	1535515	11.142	ppbv	98
16) 1,3-Butadiene	3.324	39	745107	10.058	ppbv	96
17) tert-Butyl alcohol	4.272	59	1313200	12.285	ppbv	98
18) 1,1-Dichloroethene	4.282	96	601142	9.634	ppbv	88
19) Isopropyl Alcohol	3.954	45	681226	10.539	ppbv #	1
20) Methylene Chloride	4.337	84	486484	8.377	ppbv	94
21) Allyl Chloride	4.404	41	929246	9.996	ppbv	98
22) trans-1,2-Dichloroethene	4.873	96	606366	10.099	ppbv	91
23) Vinyl Acetate	5.060	43	977976	8.577	ppbv	99
24) 1,1-Dichloroethane	5.002	63	1244496	7.966	ppbv	99
25) Ethyl Acetate	5.661	43	3276963	10.550	ppbv	99
26) Hexane	5.677	57	1288839	9.442	ppbv	89
27) Carbon Disulfide	4.542	76	1361807	9.626	ppbv	100
28) Methyl tert-Butyl Ether	5.025	73	1216686	8.074	ppbv	99
29) Chloroform	5.742	83	1921259	8.365	ppbv	98
30) Cyclohexane	7.121	84	1112557	9.702	ppbv	98
31) cis-1,2-Dichloroethene	5.536	61	1254359	9.012	ppbv	97
32) 1,1,1-Trichloroethane	6.500	97	1902970	8.467	ppbv	99
34) 2-Butanone	5.230	43	1796164	8.980	ppbv	99
35) Carbon Tetrachloride	7.005	117	1968104	7.324	ppbv	98
36) Benzene	6.877	78	2678476	8.962	ppbv	99
37) 1,2-Dichloroethane	6.291	62	1421554	7.227	ppbv #	95
38) Trichloroethene	7.822	130	1153986	8.406	ppbv	94
39) 1,2-Dichloropropane	7.600	63	1013151	8.522	ppbv	96
40) 1,4-Dioxane	7.816	88	372206	9.510	ppbv #	1
41) Tetrahydrofuran	6.037	42	1070727	8.901	ppbv	99
42) Bromodichloromethane	7.777	83	2068254	7.576	ppbv	99
43) Methyl Methacrylate	7.999	69	1133028	9.732	ppbv	98
44) 2,2,4-Trimethylpentane	7.854	57	4503285	8.613	ppbv	99
45) t-1,3-Dichloropropene	9.262	75	854357	7.046	ppbv	95

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 6

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.687	75	1211211	7.562	ppbv	99
47) 1,1,2-Trichloroethane	9.462	97	1107037	8.926	ppbv	97
48) Dibromochloromethane	10.288	129	1817155	8.205	ppbv	99
49) Bromoform	13.024	173	1565251	8.481	ppbv	98
50) 4-Methyl-2-Pentanone	8.725	43	2754455	9.200	ppbv	100
51) 2-Hexanone	10.114	43	2143225	9.200	ppbv #	98
52) Tetrachloroethene	11.208	164	1058358	9.069	ppbv	97
53) Toluene	9.790	91	3222659	9.364	ppbv	100
54) 1,2-Dibromoethane	10.597	107	1555750	9.335	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.111	131	1428703	8.744	ppbv	100
57) Chlorobenzene	12.130	112	2400265	9.238	ppbv	94
58) Ethyl Benzene	12.693	91	4336082	9.116	ppbv	99
59) m/p-Xylene	12.976	91	7339924m	17.524	ppbv	
60) o-Xylene	13.674	91	3501649	8.897	ppbv	98
61) Styrene	13.510	104	2065812	9.802	ppbv	95
62) Isopropylbenzene	14.648	105	5437671	9.296	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.658	83	2232967	10.108	ppbv	99
64) n-propylbenzene	15.545	120	1446414	10.059	ppbv	90
65) tert-Butylbenzene	16.725	119	4963252	9.279	ppbv	95
66) Benzyl Chloride	16.969	91	318497	4.579	ppbv	99
67) sec-Butylbenzene	17.275	105	6867320	9.409	ppbv	98
69) p-Isopropyltoluene	17.632	119	5960181	9.679	ppbv	98
70) n-Butylbenzene	18.532	91	5910886	9.352	ppbv	99
71) 2-Chlorotoluene	15.433	91	4062721	9.107	ppbv	97
72) 4-Ethyltoluene	15.818	105	4383719	9.503	ppbv	99
73) 1,3,5-Trimethylbenzene	15.976	105	3925086	9.434	ppbv	100
74) 1,2,4-Trimethylbenzene	16.744	105	4257678	9.170	ppbv	91
75) 1,3-Dichlorobenzene	16.976	146	2555050	9.723	ppbv	98
76) 1,4-Dichlorobenzene	17.121	146	2486752	9.484	ppbv	97
77) 1,2-Dichlorobenzene	17.796	146	2496372	9.425	ppbv	98
78) Hexachloro-1,3-Butadiene	23.352	225	1952455	8.061	ppbv	99
79) Naphthalene	22.165	128	3729274	10.434	ppbv	99
80) Naphthalene,2-methyl-	24.950	142	996126	7.502	ppbv	95
81) 1,2,4-Trichlorobenzene	21.899	180	2077618	9.176	ppbv #	100

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

