

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052522\
 Data File : VL039115.D
 Acq On : 25 May 2022 12:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/27/2022
 Supervised By : Mahesh Dadoda 05/27/2022

Quant Time: May 26 07:58:07 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 26 07:58:07 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	5.639	49	1169238	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	7.143	114	2826970	10.000	ppbv	-0.03
55) Chlorobenzene-d5	12.047	117	2614217	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.375 95 2066344 9.981 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.037	85	1180566	6.444	ppbv	99
3) Chlorodifluoromethane	2.976	51	1457430	10.045	ppbv	100
4) Chloromethane	3.124	50	673826	9.274	ppbv	97
5) Vinyl Chloride	3.243	62	702906	10.594	ppbv	97
6) Bromomethane	3.455	94	321204	10.248	ppbv	89
7) Chloroethane	3.539	64	240426	10.826	ppbv	95
8) Dichlorotetrafluoroethane	3.172	85	1648790	9.930	ppbv	100
9) Propene	2.996	41	620277	9.790	ppbv	95
10) Heptane	8.089	43	1534828	9.874	ppbv	99
11) Trichlorofluoromethane	3.931	101	1642105	10.447	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	4.465	101	1176270	10.863	ppbv	98
13) Ethanol	3.578	45	61537m	13.724	ppbv	
14) Bromoethene	3.722	108	491046	10.998	ppbv	99
15) Acetone	3.828	43	1146320	10.393	ppbv	98
16) 1,3-Butadiene	3.311	39	651194	10.276	ppbv	100
17) tert-Butyl alcohol	4.259	59	1022259	12.059	ppbv	98
18) 1,1-Dichloroethene	4.269	96	516813	11.090	ppbv	97
19) Isopropyl Alcohol	3.938	45	624406	11.907	ppbv #	99
20) Methylene Chloride	4.320	84	448208	10.782	ppbv	94
21) Allyl Chloride	4.391	41	781782	10.402	ppbv	99
22) trans-1,2-Dichloroethene	4.861	96	535521	10.639	ppbv	96
23) Vinyl Acetate	5.047	43	817009	9.362	ppbv #	97
24) 1,1-Dichloroethane	4.986	63	1047693	10.426	ppbv	100
25) Ethyl Acetate	5.648	43	3004405	11.381	ppbv	99
26) Hexane	5.661	57	1226296	10.455	ppbv	96
27) Carbon Disulfide	4.529	76	1252124	11.238	ppbv	100
28) Methyl tert-Butyl Ether	5.008	73	996100	11.162	ppbv	99
29) Chloroform	5.722	83	1932823	10.185	ppbv	100
30) Cyclohexane	7.102	84	951494	9.689	ppbv	97
31) cis-1,2-Dichloroethene	5.520	61	1198862	10.033	ppbv	98
32) 1,1,1-Trichloroethane	6.478	97	1979452	10.432	ppbv	98
34) 2-Butanone	5.214	43	1436952	9.963	ppbv	97
35) Carbon Tetrachloride	6.989	117	2005774	10.768	ppbv	99
36) Benzene	6.860	78	2352746	9.725	ppbv	99
37) 1,2-Dichloroethane	6.275	62	1526338	10.197	ppbv	99
38) Trichloroethene	7.803	130	918439	8.540	ppbv	98
39) 1,2-Dichloropropane	7.581	63	938500	9.970	ppbv	91
40) 1,4-Dioxane	7.796	88	336198	9.944	ppbv #	1
41) Tetrahydrofuran	6.018	42	956359	9.866	ppbv	100
42) Bromodichloromethane	7.758	83	2114952	10.335	ppbv	96
43) Methyl Methacrylate	7.979	69	1019802	10.383	ppbv	100
44) 2,2,4-Trimethylpentane	7.835	57	4062683	9.570	ppbv	100
45) t-1,3-Dichloropropene	9.243	75	829846	8.729	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.667	75	1159323	9.195	ppbv	96
47) 1,1,2-Trichloroethane	9.436	97	965394	9.861	ppbv	99
48) Dibromochloromethane	10.265	129	1672929	10.498	ppbv	99
49) Bromoform	13.002	173	1347519	11.088	ppbv	99
50) 4-Methyl-2-Pentanone	8.703	43	2442444	9.658	ppbv	99
51) 2-Hexanone	10.092	43	1840834	9.973	ppbv #	99
52) Tetrachloroethene	11.185	164	835294	9.662	ppbv	96
53) Toluene	9.770	91	2691112	9.925	ppbv	99
54) 1,2-Dibromoethane	10.571	107	1418102	10.640	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.085	131	1229479	10.719	ppbv	98
57) Chlorobenzene	12.108	112	1934687	9.873	ppbv	100
58) Ethyl Benzene	12.671	91	3661654	9.733	ppbv	99
59) m/p-Xylene	12.957	91	6270300m	19.523	ppbv	
60) o-Xylene	13.654	91	2988218	9.885	ppbv	99
61) Styrene	13.487	104	1604340	9.941	ppbv	99
62) Isopropylbenzene	14.625	105	4452122	10.071	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.638	83	2053069	11.534	ppbv	100
64) n-propylbenzene	15.522	120	1127234	10.547	ppbv	99
65) tert-Butylbenzene	16.703	119	3928358	10.142	ppbv	100
66) Benzyl Chloride	16.944	91	269414	5.321	ppbv	100
67) sec-Butylbenzene	17.252	105	5621367	10.159	ppbv	99
69) p-Isopropyltoluene	17.612	119	4628551	10.353	ppbv	100
70) n-Butylbenzene	18.506	91	4931956	10.384	ppbv	100
71) 2-Chlorotoluene	15.410	91	3410533	10.008	ppbv	100
72) 4-Ethyltoluene	15.799	105	3425007	9.943	ppbv	99
73) 1,3,5-Trimethylbenzene	15.953	105	3115252	10.046	ppbv	98
74) 1,2,4-Trimethylbenzene	16.722	105	3417380	10.065	ppbv	98
75) 1,3-Dichlorobenzene	16.953	146	1908238	10.257	ppbv	100
76) 1,4-Dichlorobenzene	17.098	146	1821455	9.952	ppbv	97
77) 1,2-Dichlorobenzene	17.773	146	1850596	10.058	ppbv	99
78) Hexachloro-1,3-Butadiene	23.332	225	1458660	8.626	ppbv	99
79) Naphthalene	22.140	128	2635804	9.556	ppbv	99
80) Naphthalene,2-methyl-	24.934	142	671479	8.048	ppbv	96
81) 1,2,4-Trichlorobenzene	21.873	180	1466263	9.072	ppbv	99

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

