

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062222\
 Data File : VL039322.D
 Acq On : 22 Jun 2022 15:44
 Operator : SY/AP
 Sample : VL0622ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Quant Time: Jun 23 07:27:57 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 23 07:27:57 2022

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

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/24/2022
 Supervised By : Mahesh Dadoda 06/28/2022

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

Internal Standards						
1) Bromochloromethane	5.664	49	1257605	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	3514582	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3337694m	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 2702330 9.793 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.050	85	2494632	11.293	ppbv	99
3) Chlorodifluoromethane	2.989	51	1460143	9.125	ppbv	99
4) Chloromethane	3.140	50	790972	9.623	ppbv	98
5) Vinyl Chloride	3.259	62	781959	10.177	ppbv	97
6) Bromomethane	3.475	94	346282	9.161	ppbv	98
7) Chloroethane	3.555	64	286156	10.688	ppbv	99
8) Dichlorotetrafluoroethane	3.189	85	1916649	9.494	ppbv	96
9) Propene	3.012	41	650792	9.327	ppbv	97
10) Heptane	8.121	43	1666305	10.237	ppbv	98
11) Trichlorofluoromethane	3.954	101	1877490	9.390	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.484	101	1360069	10.286	ppbv	97
13) Ethanol	3.603	45	37106m	9.752	ppbv	
14) Bromoethene	3.742	108	604777	10.174	ppbv	98
15) Acetone	3.848	43	1351740	10.318	ppbv	97
16) 1,3-Butadiene	3.330	39	760610	10.801	ppbv	95
17) tert-Butyl alcohol	4.282	59	1133776	11.158	ppbv	98
18) 1,1-Dichloroethene	4.292	96	629821	10.618	ppbv	89
19) Isopropyl Alcohol	3.960	45	634347	10.324	ppbv	99
20) Methylene Chloride	4.343	84	530126	9.603	ppbv	92
21) Allyl Chloride	4.410	41	1011897	11.450	ppbv	99
22) trans-1,2-Dichloroethene	4.886	96	663161	11.620	ppbv	99
23) Vinyl Acetate	5.070	43	1212503	11.187	ppbv	98
24) 1,1-Dichloroethane	5.009	63	1343323	9.045	ppbv	98
25) Ethyl Acetate	5.674	43	2988583	10.122	ppbv	99
26) Hexane	5.684	57	1279625	9.862	ppbv	98
27) Carbon Disulfide	4.552	76	1560298	11.602	ppbv	99
28) Methyl tert-Butyl Ether	5.031	73	1314365	9.176	ppbv	99
29) Chloroform	5.748	83	2010097	9.206	ppbv	98
30) Cyclohexane	7.131	84	1101261	10.103	ppbv	99
31) cis-1,2-Dichloroethene	5.549	61	1284787	9.711	ppbv	96
32) 1,1,1-Trichloroethane	6.510	97	2039295	9.545	ppbv	100
34) 2-Butanone	5.240	43	1731015	9.066	ppbv	99
35) Carbon Tetrachloride	7.018	117	2098941	8.182	ppbv	98
36) Benzene	6.886	78	2655517	9.307	ppbv	100
37) 1,2-Dichloroethane	6.308	62	1522006	8.105	ppbv	97
38) Trichloroethene	7.835	130	1351849	10.315	ppbv	95
39) 1,2-Dichloropropane	7.610	63	1005673	8.861	ppbv	98
40) 1,4-Dioxane	7.825	88	348857	9.337	ppbv #	1
41) Tetrahydrofuran	6.047	42	1040329	9.059	ppbv	100
42) Bromodichloromethane	7.787	83	2175441	8.347	ppbv	99
43) Methyl Methacrylate	8.008	69	1073258	9.657	ppbv	98
44) 2,2,4-Trimethylpentane	7.867	57	4450145	8.915	ppbv	98
45) t-1,3-Dichloropropene	9.275	75	1049786	9.069	ppbv	96

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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	8.700	75	1396044	9.130	ppbv	99
47) 1,1,2-Trichloroethane	9.468	97	1107550	9.354	ppbv	98
48) Dibromochloromethane	10.298	129	1924216	9.101	ppbv	99
49) Bromoform	13.037	173	1628493	9.243	ppbv	97
50) 4-Methyl-2-Pentanone	8.732	43	2737396	9.578	ppbv	99
51) 2-Hexanone	10.124	43	2082858	9.365	ppbv #	98
52) Tetrachloroethene	11.220	164	1021389	9.168	ppbv	100
53) Toluene	9.799	91	3195730	9.726	ppbv	99
54) 1,2-Dibromoethane	10.603	107	1472036	9.252	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.118	131	1428174	9.043	ppbv	96
57) Chlorobenzene	12.140	112	2397379	9.546	ppbv	97
58) Ethyl Benzene	12.703	91	4305494	9.365	ppbv	99
59) m/p-Xylene	12.992	91	7295944m	18.021	ppbv	
60) o-Xylene	13.687	91	3525220	9.266	ppbv	100
61) Styrene	13.519	104	2104428	10.330	ppbv	96
62) Isopropylbenzene	14.661	105	5196773	9.191	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.671	83	1746402	8.178	ppbv	99
64) n-propylbenzene	15.552	120	1359127	9.778	ppbv	88
65) tert-Butylbenzene	16.735	119	4687029	9.065	ppbv	97
66) Benzyl Chloride	16.979	91	500034	7.438	ppbv	99
67) sec-Butylbenzene	17.285	105	6429959	9.114	ppbv	99
69) p-Isopropyltoluene	17.641	119	5521725	9.277	ppbv	98
70) n-Butylbenzene	18.539	91	5446292	8.915	ppbv	99
71) 2-Chlorotoluene	15.442	91	3841978	8.910	ppbv	98
72) 4-Ethyltoluene	15.831	105	4244626	9.520	ppbv	99
73) 1,3,5-Trimethylbenzene	15.989	105	3832699	9.530	ppbv	100
74) 1,2,4-Trimethylbenzene	16.754	105	4104018	9.145	ppbv #	90
75) 1,3-Dichlorobenzene	16.986	146	2422598	9.537	ppbv	99
76) 1,4-Dichlorobenzene	17.127	146	2328193	9.186	ppbv	98
77) 1,2-Dichlorobenzene	17.805	146	2342869	9.151	ppbv	98
78) Hexachloro-1,3-Butadiene	23.365	225	1775098	7.582	ppbv	99
79) Naphthalene	22.181	128	3418084	9.894	ppbv	100
80) Naphthalene,2-methyl-	24.959	142	861518	6.712	ppbv	95
81) 1,2,4-Trichlorobenzene	21.915	180	1973205	9.016	ppbv #	100

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

