

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
 Data File : VL039299.D
 Acq On : 15 Jun 2022 16:13
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jun 16 04:35:06 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 15 04:35:06 2022

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

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/16/2022
 Supervised By : Mahesh Dadoda 06/17/2022

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

Internal Standards						
1) Bromochloromethane	5.658	49	1324021	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.166	114	3690020	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.072	117	3514538m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.400 95 2767961 9.526 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	1892422	8.137	ppbv	100
3) Chlorodifluoromethane	2.986	51	1465987	8.702	ppbv	98
4) Chloromethane	3.137	50	804607	9.298	ppbv	99
5) Vinyl Chloride	3.253	62	793551	9.810	ppbv	97
6) Bromomethane	3.468	94	341211	8.574	ppbv	95
7) Chloroethane	3.555	64	293571	10.415	ppbv	99
8) Dichlorotetrafluoroethane	3.182	85	1863491	8.768	ppbv	93
9) Propene	3.005	41	671855	9.146	ppbv	98
10) Heptane	8.111	43	1683551	9.824	ppbv	99
11) Trichlorofluoromethane	3.944	101	1846787	8.773	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.475	101	1407993	10.114	ppbv	99
13) Ethanol	3.600	45	41357m	10.324	ppbv	
14) Bromoethene	3.735	108	607934	9.714	ppbv	99
15) Acetone	3.841	43	1383016	10.028	ppbv	96
16) 1,3-Butadiene	3.320	39	774233	10.443	ppbv	95
17) tert-Butyl alcohol	4.272	59	1278578	11.952	ppbv	99
18) 1,1-Dichloroethene	4.285	96	635034	10.169	ppbv	97
19) Isopropyl Alcohol	3.951	45	767830	11.870	ppbv #	98
20) Methylene Chloride	4.336	84	530759	9.132	ppbv	93
21) Allyl Chloride	4.404	41	1010789	10.864	ppbv	99
22) trans-1,2-Dichloroethene	4.880	96	630795	10.498	ppbv	98
23) Vinyl Acetate	5.063	43	1190796	10.435	ppbv	98
24) 1,1-Dichloroethane	5.002	63	1442412	9.225	ppbv	98
25) Ethyl Acetate	5.664	43	3010471	9.685	ppbv	99
26) Hexane	5.677	57	1291530	9.454	ppbv	98
27) Carbon Disulfide	4.542	76	1550343	10.950	ppbv	99
28) Methyl tert-Butyl Ether	5.025	73	1433601	9.506	ppbv	99
29) Chloroform	5.742	83	1976826	8.600	ppbv	96
30) Cyclohexane	7.121	84	1109392	9.667	ppbv	98
31) cis-1,2-Dichloroethene	5.539	61	1267472	9.100	ppbv	94
32) 1,1,1-Trichloroethane	6.504	97	2064070	9.176	ppbv	100
34) 2-Butanone	5.234	43	1770386	8.831	ppbv	100
35) Carbon Tetrachloride	7.008	117	2130390	7.910	ppbv	98
36) Benzene	6.883	78	2677921	8.939	ppbv	98
37) 1,2-Dichloroethane	6.295	62	1540896	7.816	ppbv	97
38) Trichloroethene	7.825	130	1346368	9.785	ppbv	95
39) 1,2-Dichloropropane	7.603	63	1005597	8.439	ppbv	97
40) 1,4-Dioxane	7.815	88	357562	9.115	ppbv	94
41) Tetrahydrofuran	6.037	42	1029030	8.535	ppbv	99
42) Bromodichloromethane	7.780	83	2240708	8.189	ppbv	99
43) Methyl Methacrylate	8.002	69	1078180	9.240	ppbv	98
44) 2,2,4-Trimethylpentane	7.857	57	4487191	8.562	ppbv	99
45) t-1,3-Dichloropropene	9.265	75	1071029	8.813	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.693	75	1392498	8.674	ppbv	96
47) 1,1,2-Trichloroethane	9.462	97	1091748	8.782	ppbv	98
48) Dibromochloromethane	10.291	129	1931479	8.701	ppbv	98
49) Bromoform	13.027	173	1593807	8.616	ppbv	99
50) 4-Methyl-2-Pentanone	8.729	43	2749515	9.163	ppbv	100
51) 2-Hexanone	10.118	43	2111379	9.042	ppbv #	99
52) Tetrachloroethene	11.211	164	1030331	8.809	ppbv	96
53) Toluene	9.796	91	3186953	9.239	ppbv	100
54) 1,2-Dibromoethane	10.600	107	1466551	8.779	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.111	131	1398709	8.411	ppbv #	59
57) Chlorobenzene	12.134	112	2387297	9.028	ppbv	95
58) Ethyl Benzene	12.696	91	4245387	8.769	ppbv	98
59) m/p-Xylene	12.982	91	7297453m	17.118	ppbv	
60) o-Xylene	13.680	91	3472207	8.668	ppbv	99
61) Styrene	13.513	104	2072978	9.664	ppbv	96
62) Isopropylbenzene	14.654	105	5197100	8.729	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.664	83	1739477	7.736	ppbv	99
64) n-propylbenzene	15.545	120	1356255	9.266	ppbv	90
65) tert-Butylbenzene	16.731	119	4733270	8.694	ppbv	96
66) Benzyl Chloride	16.973	91	486983	6.879	ppbv	98
67) sec-Butylbenzene	17.278	105	6469454	8.709	ppbv	98
69) p-Isopropyltoluene	17.638	119	5592726	8.924	ppbv	98
70) n-Butylbenzene	18.532	91	5486216	8.528	ppbv	99
71) 2-Chlorotoluene	15.442	91	3785252	8.337	ppbv	97
72) 4-Ethyltoluene	15.825	105	4220611	8.990	ppbv	99
73) 1,3,5-Trimethylbenzene	15.982	105	3846422	9.083	ppbv	100
74) 1,2,4-Trimethylbenzene	16.748	105	4124970	8.729	ppbv	93
75) 1,3-Dichlorobenzene	16.979	146	2420909	9.051	ppbv	99
76) 1,4-Dichlorobenzene	17.121	146	2364693	8.861	ppbv	99
77) 1,2-Dichlorobenzene	17.799	146	2387583	8.857	ppbv	99
78) Hexachloro-1,3-Butadiene	23.358	225	1779672	7.219	ppbv	99
79) Naphthalene	22.175	128	3505671	9.637	ppbv	99
80) Naphthalene,2-methyl-	24.953	142	1128153	8.347	ppbv	97
81) 1,2,4-Trichlorobenzene	21.905	180	2043062	8.865	ppbv #	100

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

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