

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041222\
 Data File : VL038889.D
 Acq On : 12 Apr 2022 12:54
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 13 01:16:30 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 13 01:16:30 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2022
 Supervised By : Mahesh Dadoda 04/14/2022

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

Internal Standards						
1) Bromochloromethane	5.664	49	1099754	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	2991927	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	2880015m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	2103552	9.629	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.050	85	1360744	8.723	ppbv	100
3) Chlorodifluoromethane	2.989	51	1293958	9.641	ppbv	99
4) Chloromethane	3.137	50	655244	9.428	ppbv	94
5) Vinyl Chloride	3.256	62	607162	9.455	ppbv	95
6) Bromomethane	3.472	94	303799	9.778	ppbv	98
7) Chloroethane	3.555	64	209183	9.769	ppbv	96
8) Dichlorotetrafluoroethane	3.185	85	1455519	9.988	ppbv	97
9) Propene	3.009	41	678736	9.558	ppbv	100
10) Heptane	8.118	43	1672337	9.350	ppbv	99
11) Trichlorofluoromethane	3.947	101	1314648	10.488	ppbv	100
12) 1,1,2-Trichlorotrifluoro...	4.481	101	986706	10.276	ppbv	96
13) Ethanol	3.603	45	40473m	9.379	ppbv	
14) Bromoethene	3.738	108	416236	9.857	ppbv	98
15) Acetone	3.845	43	1024454	9.357	ppbv	96
16) 1,3-Butadiene	3.327	39	604638	9.660	ppbv	99
17) tert-Butyl alcohol	4.279	59	802446	8.173	ppbv	100
18) 1,1-Dichloroethene	4.288	96	439368	10.038	ppbv	97
19) Isopropyl Alcohol	3.960	45	538689	9.626	ppbv #	100
20) Methylene Chloride	4.340	84	358367	9.025	ppbv	98
21) Allyl Chloride	4.407	41	774545	9.448	ppbv	99
22) trans-1,2-Dichloroethene	4.883	96	477250	10.769	ppbv	92
23) Vinyl Acetate	5.066	43	1095764	10.277	ppbv	98
24) 1,1-Dichloroethane	5.009	63	958366	9.946	ppbv	99
25) Ethyl Acetate	5.671	43	2718253	9.784	ppbv	99
26) Hexane	5.684	57	1197402	9.469	ppbv	99
27) Carbon Disulfide	4.546	76	1164416	10.041	ppbv	99
28) Methyl tert-Butyl Ether	5.031	73	900767	9.223	ppbv	100
29) Chloroform	5.748	83	1780675	10.064	ppbv	98
30) Cyclohexane	7.127	84	1033299	9.271	ppbv	99
31) cis-1,2-Dichloroethene	5.545	61	1161097	9.986	ppbv	99
32) 1,1,1-Trichloroethane	6.507	97	1749434	9.814	ppbv	99
34) 2-Butanone	5.237	43	1175826	9.946	ppbv	99
35) Carbon Tetrachloride	7.015	117	1794400	10.004	ppbv	99
36) Benzene	6.886	78	2591059	9.520	ppbv	99
37) 1,2-Dichloroethane	6.301	62	1325095	10.648	ppbv	98
38) Trichloroethene	7.828	130	1012985	9.070	ppbv	98
39) 1,2-Dichloropropane	7.606	63	1000502	9.610	ppbv	97
40) 1,4-Dioxane	7.822	88	339270	9.597	ppbv #	1
41) Tetrahydrofuran	6.044	42	1094706	9.750	ppbv	99
42) Bromodichloromethane	7.787	83	2009460	10.226	ppbv	99
43) Methyl Methacrylate	8.005	69	1075763	10.319	ppbv	99
44) 2,2,4-Trimethylpentane	7.864	57	4271258	9.269	ppbv	99
45) t-1,3-Dichloropropene	9.272	75	1140692	10.465	ppbv	100

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.696	75	1446584	10.066	ppbv	98
47) 1,1,2-Trichloroethane	9.468	97	1039711	9.747	ppbv	97
48) Dibromochloromethane	10.301	129	1692872	10.125	ppbv	99
49) Bromoform	13.031	173	1323787	9.997	ppbv	97
50) 4-Methyl-2-Pentanone	8.732	43	2675477	10.061	ppbv	99
51) 2-Hexanone	10.124	43	2148100	10.721	ppbv #	97
52) Tetrachloroethene	11.217	164	849198	8.932	ppbv	99
53) Toluene	9.799	91	2989346	9.514	ppbv	99
54) 1,2-Dibromoethane	10.603	107	1500617	10.127	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.118	131	1161738	9.205	ppbv #	92
57) Chlorobenzene	12.140	112	2101683	8.910	ppbv	98
58) Ethyl Benzene	12.703	91	3980769	9.250	ppbv	94
59) m/p-Xylene	12.989	91	6566259m	18.161	ppbv	
60) o-Xylene	13.683	91	3082898	9.112	ppbv	97
61) Styrene	13.519	104	1969759	9.556	ppbv	99
62) Isopropylbenzene	14.661	105	4517743	8.896	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.667	83	1941244	9.059	ppbv	99
64) n-propylbenzene	15.555	120	1178219	8.936	ppbv	87
65) tert-Butylbenzene	16.735	119	3877885	8.607	ppbv	97
66) Benzyl Chloride	16.979	91	740486	8.073	ppbv	94
67) sec-Butylbenzene	17.285	105	5636341	8.915	ppbv	98
69) p-Isopropyltoluene	17.645	119	4653028	8.964	ppbv	99
70) n-Butylbenzene	18.539	91	5004797	9.570	ppbv	98
71) 2-Chlorotoluene	15.442	91	3506517	9.183	ppbv	98
72) 4-Ethyltoluene	15.831	105	3825690	9.470	ppbv	98
73) 1,3,5-Trimethylbenzene	15.986	105	3361953	9.264	ppbv	94
74) 1,2,4-Trimethylbenzene	16.754	105	3485544	9.085	ppbv	99
75) 1,3-Dichlorobenzene	16.986	146	2022124	9.078	ppbv	99
76) 1,4-Dichlorobenzene	17.127	146	1987467	9.058	ppbv	99
77) 1,2-Dichlorobenzene	17.805	146	1997454	9.097	ppbv	100
78) Hexachloro-1,3-Butadiene	23.368	225	1399838	8.069	ppbv	98
79) Naphthalene	22.185	128	2944957	10.262	ppbv	100
80) Naphthalene,2-methyl-	24.963	142	760411	10.753	ppbv	96
81) 1,2,4-Trichlorobenzene	21.911	180	1585168	9.438	ppbv	99

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

