

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
 Data File : VL040690.D
 Acq On : 14 Sep 2023 19:08
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL091423

Quant Time: Sep 14 19:55:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Sep 14 19:50:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/15/2023
 Supervised By : Mahesh Dadoda 09/15/2023

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

Internal Standards						
1) Bromochloromethane	5.182	49	1236451	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3181242	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2916525	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2327009	10.327	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.300%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.719	85	2428390	8.914	ppbv	100
3) Chlorodifluoromethane	2.664	51	1794015	8.906	ppbv	98
4) Chloromethane	2.803	50	689797	8.945	ppbv	96
5) Vinyl Chloride	2.909	62	765225	8.396	ppbv	97
6) Bromomethane	3.108	94	403219	9.170	ppbv	94
7) Chloroethane	3.189	64	292757	9.352	ppbv	97
8) Dichlorotetrafluoroethane	2.844	85	1980176	8.805	ppbv	99
9) Propene	2.684	41	542296	9.345	ppbv	100
10) Heptane	7.571	43	1303808	9.971	ppbv	97
11) Trichlorofluoromethane	3.552	101	2103616	8.784	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.057	101	1543756	9.011	ppbv	99
13) Ethanol	3.230	45	127570	7.427	ppbv	96
14) Bromoethene	3.356	108	664638	9.250	ppbv	99
15) Acetone	3.455	43	1380560	8.465	ppbv	99
16) 1,3-Butadiene	2.973	39	702778	9.887	ppbv	99
17) tert-Butyl alcohol	3.867	59	1590210	9.519	ppbv	100
18) 1,1-Dichloroethene	3.870	96	710769	9.334	ppbv	95
19) Isopropyl Alcohol	3.565	45	944930	9.616	ppbv #	98
20) Methylene Chloride	3.922	84	619672m	7.059	ppbv	
21) Allyl Chloride	3.986	41	951431	9.519	ppbv	98
22) trans-1,2-Dichloroethene	4.436	96	708661	9.412	ppbv	100
23) Vinyl Acetate	4.616	43	1603884	9.509	ppbv	99
24) 1,1-Dichloroethane	4.552	63	1426023	9.034	ppbv	99
25) Ethyl Acetate	5.195	43	2472518	9.400	ppbv	99
26) Hexane	5.201	57	1084561	8.720	ppbv	98
27) Carbon Disulfide	4.115	76	1768380	10.195	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	1003675	9.379	ppbv	100
29) Chloroform	5.266	83	1942171	9.044	ppbv	99
30) Cyclohexane	6.590	84	913979	9.758	ppbv	99
31) cis-1,2-Dichloroethene	5.069	61	1141479	9.892	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	1997194	9.097	ppbv	99
34) 2-Butanone	4.777	43	1485198	9.283	ppbv	99
35) Carbon Tetrachloride	6.484	117	2084719	9.544	ppbv	97
36) Benzene	6.362	78	2288266	9.713	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1503734	9.327	ppbv	99
38) Trichloroethene	7.285	130	943927	10.507	ppbv	96
39) 1,2-Dichloropropane	7.063	63	863524	9.523	ppbv	99
40) 1,4-Dioxane	7.278	88	343387	10.017	ppbv #	95
41) Tetrahydrofuran	5.545	42	818174	9.973	ppbv	99
42) Bromodichloromethane	7.243	83	2139588	9.726	ppbv	97
43) Methyl Methacrylate	7.465	69	934649	10.674	ppbv	99
44) 2,2,4-Trimethylpentane	7.317	57	3747197	9.990	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	792733	11.675	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	951217	11.450	ppbv	99
47) 1,1,2-Trichloroethane	8.889	97	997954	9.590	ppbv	99
48) Dibromochloromethane	9.703	129	1778914	10.363	ppbv	99
49) Bromoform	12.400	173	1478905	10.490	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	2235547	10.341	ppbv	99
51) 2-Hexanone	9.542	43	1604561	10.753	ppbv #	98
52) Tetrachloroethene	10.609	164	795461	10.352	ppbv	95
53) Toluene	9.211	91	2658083	10.687	ppbv	100
54) 1,2-Dibromoethane	10.002	107	1418935	10.683	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.503	131	1312723	9.442	ppbv	95
57) Chlorobenzene	11.519	112	2126986	9.630	ppbv	98
58) Ethyl Benzene	12.079	91	3615196	10.872	ppbv	99
59) m/p-Xylene	12.368	91	6441013m	20.629	ppbv	
60) o-Xylene	13.050	91	3129932	10.511	ppbv	100
61) Styrene	12.892	104	1505756	12.066	ppbv	99
62) Isopropylbenzene	14.021	105	4497865	10.004	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	2231007	9.560	ppbv	99
64) n-propylbenzene	14.908	120	1177619	10.476	ppbv	97
65) tert-Butylbenzene	16.085	119	4033735	9.996	ppbv	100
66) Benzyl Chloride	16.320	91	527624	11.204	ppbv	99
67) sec-Butylbenzene	16.625	105	5686994	9.845	ppbv	99
69) p-Isopropyltoluene	16.989	119	4583101	10.095	ppbv	99
70) n-Butylbenzene	17.876	91	4959800	9.926	ppbv	99
71) 2-Chlorotoluene	14.793	91	3476968	10.453	ppbv	99
72) 4-Ethyltoluene	15.185	105	3580210	10.722	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	3100173	10.311	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	3555980	9.701	ppbv	93
75) 1,3-Dichlorobenzene	16.323	146	2013351	9.641	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	1969734	9.586	ppbv	100
77) 1,2-Dichlorobenzene	17.137	146	1962134	9.433	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	1379783	8.767	ppbv	99
79) Naphthalene	21.371	128	2908581	12.752	ppbv	98
80) Naphthalene,2-methyl-	24.365	142	866188	15.505	ppbv	99
81) 1,2,4-Trichlorobenzene	21.133	180	1537975	10.322	ppbv	99

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

