

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040636.D
 Acq On : 15 Aug 2023 16:42
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081523

Quant Time: Aug 16 05:49:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 16 05:49:30 2023
 QLast Update : Wed Aug 16 05:43:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/16/2023
 Supervised By : Mahesh Dadoda 08/16/2023

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

Internal Standards						
1) Bromochloromethane	5.195	49	1077806	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2793322	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2735948	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2129838	9.788	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.719	85	1842986	7.939	ppbv	98
3) Chlorodifluoromethane	2.665	51	1547156	8.743	ppbv	100
4) Chloromethane	2.803	50	617365	8.944	ppbv	100
5) Vinyl Chloride	2.912	62	674914	9.209	ppbv	94
6) Bromomethane	3.112	94	333513	8.680	ppbv	95
7) Chloroethane	3.189	64	235692	8.816	ppbv	94
8) Dichlorotetrafluoroethane	2.848	85	1652016	8.792	ppbv	100
9) Propene	2.684	41	502898	9.171	ppbv	99
10) Heptane	7.584	43	1195175	9.465	ppbv	99
11) Trichlorofluoromethane	3.559	101	1652017	8.815	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	1221660	8.782	ppbv	99
13) Ethanol	3.237	45	134104m	8.763	ppbv	
14) Bromoethene	3.359	108	523008	9.259	ppbv	100
15) Acetone	3.462	43	1122524	8.515	ppbv	99
16) 1,3-Butadiene	2.977	39	591084	9.016	ppbv	97
17) tert-Butyl alcohol	3.874	59	1373307	9.823	ppbv	100
18) 1,1-Dichloroethene	3.877	96	554114	8.790	ppbv	97
19) Isopropyl Alcohol	3.571	45	820559	9.816	ppbv	100
20) Methylene Chloride	3.928	84	468291	7.269	ppbv	97
21) Allyl Chloride	3.993	41	784644	8.998	ppbv	97
22) trans-1,2-Dichloroethene	4.443	96	560788	9.062	ppbv	98
23) Vinyl Acetate	4.626	43	1414443	9.416	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1138533	8.863	ppbv	99
25) Ethyl Acetate	5.208	43	2181412	8.811	ppbv	99
26) Hexane	5.214	57	989880	8.263	ppbv	100
27) Carbon Disulfide	4.121	76	1428553	10.017	ppbv	98
28) Methyl tert-Butyl Ether	4.584	73	822163	8.878	ppbv	100
29) Chloroform	5.275	83	1653529	8.721	ppbv	99
30) Cyclohexane	6.607	84	828418	9.038	ppbv	100
31) cis-1,2-Dichloroethene	5.079	61	1007757	9.322	ppbv	99
32) 1,1,1-Trichloroethane	6.009	97	1680923	9.258	ppbv	100
34) 2-Butanone	4.787	43	1348958	9.576	ppbv	99
35) Carbon Tetrachloride	6.501	117	1721550	9.850	ppbv	100
36) Benzene	6.375	78	2072829	9.328	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1253670	9.354	ppbv	99
38) Trichloroethene	7.298	130	809024	9.402	ppbv	97
39) 1,2-Dichloropropane	7.079	63	781534	9.244	ppbv	98
40) 1,4-Dioxane	7.295	88	324228	10.123	ppbv #	1
41) Tetrahydrofuran	5.558	42	778601	9.779	ppbv	98
42) Bromodichloromethane	7.256	83	1807101	9.687	ppbv	97
43) Methyl Methacrylate	7.481	69	833624	10.019	ppbv	98
44) 2,2,4-Trimethylpentane	7.333	57	3373021	9.391	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	742714	11.177	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	873005	10.770	ppbv	98
47) 1,1,2-Trichloroethane	8.909	97	878190	9.196	ppbv	96
48) Dibromochloromethane	9.722	129	1491594	9.980	ppbv	99
49) Bromoform	12.420	173	1229371	10.266	ppbv	100
50) 4-Methyl-2-Pentanone	8.189	43	2011539	9.775	ppbv	100
51) 2-Hexanone	9.561	43	1488857	10.268	ppbv	98
52) Tetrachloroethene	10.626	164	703103	10.103	ppbv	98
53) Toluene	9.230	91	2367465	10.025	ppbv	99
54) 1,2-Dibromoethane	10.018	107	1250940	10.288	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.520	131	1106536	8.741	ppbv	96
57) Chlorobenzene	11.536	112	1823361	8.635	ppbv	96
58) Ethyl Benzene	12.102	91	3188944	9.666	ppbv	99
59) m/p-Xylene	12.381	91	5511757m	18.315	ppbv	
60) o-Xylene	13.069	91	2640992	9.259	ppbv	99
61) Styrene	12.909	104	1346807	10.776	ppbv	99
62) Isopropylbenzene	14.037	105	3841753	8.899	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	1882463	8.812	ppbv	99
64) n-propylbenzene	14.928	120	981315	8.994	ppbv	99
65) tert-Butylbenzene	16.101	119	3353075	8.962	ppbv	99
66) Benzyl Chloride	16.336	91	467031	9.926	ppbv	98
67) sec-Butylbenzene	16.645	105	4813491	8.818	ppbv	100
69) p-Isopropyltoluene	17.005	119	3865005	9.049	ppbv	99
70) n-Butylbenzene	17.896	91	4242352	9.097	ppbv	100
71) 2-Chlorotoluene	14.815	91	2971201	9.276	ppbv	99
72) 4-Ethyltoluene	15.204	105	3079385	9.563	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2640418	9.173	ppbv	100
74) 1,2,4-Trimethylbenzene	16.117	105	2968086	8.829	ppbv	94
75) 1,3-Dichlorobenzene	16.339	146	1707663	8.786	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1655374	8.712	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1616227	8.452	ppbv	100
78) Hexachloro-1,3-Butadiene	22.645	225	1130713	7.793	ppbv	99
79) Naphthalene	21.397	128	2539220	11.437	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	763221m	11.946	ppbv	
81) 1,2,4-Trichlorobenzene	21.149	180	1371537	9.386	ppbv	99

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

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