

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040635.D
 Acq On : 15 Aug 2023 14:19
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Aug 16 04:50:05 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 04:50:05 2023
 QLast Update : Wed Aug 16 04:44:10 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	998241	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2495181	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2398333	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.789	95	2087812	10.946	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.722	85	2826547	13.146	ppbv	100
3) Chlorodifluoromethane	2.664	51	2081947	12.702	ppbv	96
4) Chloromethane	2.806	50	796803	12.464	ppbv	94
5) Vinyl Chloride	2.912	62	915185	13.482	ppbv	96
6) Bromomethane	3.115	94	496323	13.870	ppbv	96
7) Chloroethane	3.192	64	344025	13.894	ppbv	92
8) Dichlorotetrafluoroethane	2.851	85	2320278	13.333	ppbv	99
9) Propene	2.687	41	620569	12.219	ppbv	100
10) Heptane	7.587	43	1625818	13.902	ppbv	100
11) Trichlorofluoromethane	3.558	101	2509834	14.459	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.063	101	1815147	14.248	ppbv	98
13) Ethanol	3.234	45	171982m	14.120	ppbv	
14) Bromoethene	3.362	108	735966	14.068	ppbv	96
15) Acetone	3.462	43	1615746	13.233	ppbv	99
16) 1,3-Butadiene	2.976	39	813335	13.395	ppbv	100
17) tert-Butyl alcohol	3.877	59	1853382	14.313	ppbv	100
18) 1,1-Dichloroethene	3.877	96	846212	14.493	ppbv	98
19) Isopropyl Alcohol	3.571	45	1103058	14.248	ppbv	99
20) Methylene Chloride	3.928	84	696417	11.672	ppbv	96
21) Allyl Chloride	3.996	41	1100887	13.631	ppbv	95
22) trans-1,2-Dichloroethene	4.446	96	850298	14.835	ppbv	97
23) Vinyl Acetate	4.626	43	2009382	15.060	ppbv	98
24) 1,1-Dichloroethane	4.565	63	1693926	14.237	ppbv	99
25) Ethyl Acetate	5.208	43	2951326	12.871	ppbv	100
26) Hexane	5.214	57	1317489	11.875	ppbv	98
27) Carbon Disulfide	4.121	76	2100853	15.905	ppbv	99
28) Methyl tert-Butyl Ether	4.587	73	1193941	13.920	ppbv	100
29) Chloroform	5.278	83	2312232	13.167	ppbv	98
30) Cyclohexane	6.610	84	1108019	13.625	ppbv	97
31) cis-1,2-Dichloroethene	5.082	61	1363539	13.618	ppbv	96
32) 1,1,1-Trichloroethane	6.008	97	2375313	14.096	ppbv	99
34) 2-Butanone	4.787	43	1765361	14.030	ppbv	99
35) Carbon Tetrachloride	6.500	117	2490130	15.917	ppbv	98
36) Benzene	6.378	78	2711289	13.658	ppbv	98
37) 1,2-Dichloroethane	5.812	62	1816202	15.171	ppbv	97
38) Trichloroethene	7.298	130	1145936	14.845	ppbv	97
39) 1,2-Dichloropropane	7.082	63	1056863	13.994	ppbv	95
40) 1,4-Dioxane	7.294	88	465963	16.434	ppbv	96
41) Tetrahydrofuran	5.558	42	990095	13.982	ppbv	99
42) Bromodichloromethane	7.259	83	2606229	15.640	ppbv	98
43) Methyl Methacrylate	7.484	69	1151959	15.506	ppbv	98
44) 2,2,4-Trimethylpentane	7.333	57	4552813	14.190	ppbv	98
45) t-1,3-Dichloropropene	8.722	75	1070496	18.273	ppbv	99

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QLast Update : Wed Aug 16 04:44:10 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	1207095	16.725	ppbv	95
47) 1,1,2-Trichloroethane	8.909	97	1211570	14.194	ppbv	97
48) Dibromochloromethane	9.725	129	2176412	16.292	ppbv	100
49) Bromoform	12.420	173	1833578	17.179	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2796759	15.191	ppbv	99
51) 2-Hexanone	9.561	43	2128311	16.488	ppbv	97
52) Tetrachloroethene	10.629	164	984396	15.836	ppbv	96
53) Toluene	9.233	91	3233825	15.330	ppbv	98
54) 1,2-Dibromoethane	10.021	107	1777408	17.350	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.523	131	1604694	14.448	ppbv	96
57) Chlorobenzene	11.542	112	2595900	14.024	ppbv	96
58) Ethyl Benzene	12.101	91	4510008	15.594	ppbv	100
59) m/p-Xylene	12.381	91	7992421m	30.324	ppbv	
60) o-Xylene	13.076	91	3870302	15.478	ppbv	100
61) Styrene	12.912	104	1936943	17.682	ppbv	98
62) Isopropylbenzene	14.043	105	5575358	14.736	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	2809073	14.823	ppbv	99
64) n-propylbenzene	14.931	120	1452666	15.187	ppbv	96
65) tert-Butylbenzene	16.108	119	4955828	15.110	ppbv	99
66) Benzyl Chloride	16.342	91	734838	17.949	ppbv	100
67) sec-Butylbenzene	16.651	105	7012713	14.655	ppbv	99
69) p-Isopropyltoluene	17.011	119	5683660	15.180	ppbv	99
70) n-Butylbenzene	17.899	91	6223759	15.225	ppbv	99
71) 2-Chlorotoluene	14.815	91	4341759	15.463	ppbv	100
72) 4-Ethyltoluene	15.207	105	4506056	15.963	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	3897016	15.480	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	4422972	15.009	ppbv	93
75) 1,3-Dichlorobenzene	16.346	146	2528836	14.868	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	2467001	14.512	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	2402041	14.365	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1726522	13.583	ppbv	100
79) Naphthalene	21.397	128	3789611	19.217	ppbv	99
80) Naphthalene,2-methyl-	24.381	142	1211636	23.011	ppbv	96
81) 1,2,4-Trichlorobenzene	21.152	180	2057258	16.059	ppbv	100

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

