

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040209.D
 Acq On : 22 Feb 2023 00:15
 Operator : SY/MD
 Sample : 01627-13 LOD 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2023

Quant Time: Feb 22 05:10:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Feb 22 03:17:31 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/22/2023
 Supervised By : Mahesh Dadoda 02/23/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	797823	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.651	114	2096159	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.471	117	1856838	10.000	ppbv	-0.02

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 13.780 95 1602932 10.498 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.722	85	84308	0.567	ppbv	99
3) Chlorodifluoromethane	2.668	51	51895	0.544	ppbv	98
4) Chloromethane	2.803	50	30542	0.510	ppbv #	80
5) Vinyl Chloride	2.912	62	23873	0.496	ppbv #	88
6) Bromomethane	3.111	94	8952	0.516	ppbv	95
7) Chloroethane	3.189	64	8323	0.436	ppbv #	78
8) Dichlorotetrafluoroethane	2.851	85	66664	0.520	ppbv	99
9) Propene	2.687	41	16321	0.420	ppbv	91
10) Heptane	7.577	43	33347	0.361	ppbv	91
11) Trichlorofluoromethane	3.555	101	68638	0.514	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.060	101	51243	0.521	ppbv	97
13) Ethanol	3.250	45	1988m	0.556	ppbv	
14) Bromoethene	3.359	108	17211	0.456	ppbv #	86
15) Acetone	3.478	43	56278	0.586	ppbv	97
16) 1,3-Butadiene	2.980	39	21657	0.494	ppbv	99
17) tert-Butyl alcohol	3.890	59	41209	0.470	ppbv #	92
18) 1,1-Dichloroethene	3.877	96	20692	0.484	ppbv	93
19) Isopropyl Alcohol	3.587	45	23717m	0.519	ppbv	
20) Methylene Chloride	3.925	84	31148m	0.623	ppbv	
21) Allyl Chloride	3.996	41	27234	0.462	ppbv	89
22) trans-1,2-Dichloroethene	4.443	96	19818	0.448	ppbv #	83
23) Vinyl Acetate	4.629	43	14387m	0.494	ppbv	
24) 1,1-Dichloroethane	4.558	63	45731	0.502	ppbv	99
25) Ethyl Acetate	5.214	43	79639	0.446	ppbv	99
26) Hexane	5.214	57	32690m	0.426	ppbv	
27) Carbon Disulfide	4.121	76	42624	0.438	ppbv #	94
28) Methyl tert-Butyl Ether	4.597	73	36774	0.448	ppbv	98
29) Chloroform	5.266	83	62966	0.478	ppbv	93
30) Cyclohexane	6.600	84	31234m	0.519	ppbv	
31) cis-1,2-Dichloroethene	5.073	61	34520	0.474	ppbv	91
32) 1,1,1-Trichloroethane	6.002	97	56213	0.455	ppbv	93
34) 2-Butanone	4.799	43	48649	0.470	ppbv	93
35) Carbon Tetrachloride	6.497	117	57910	0.467	ppbv	95
36) Benzene	6.365	78	66620	0.408	ppbv #	92
37) 1,2-Dichloroethane	5.806	62	45510	0.446	ppbv	99
38) Trichloroethene	7.291	130	37497	0.417	ppbv	92
39) 1,2-Dichloropropane	7.069	63	25755	0.406	ppbv	91
40) 1,4-Dioxane	7.320	88	11319m	0.446	ppbv	
41) Tetrahydrofuran	5.584	42	22196m	0.370	ppbv	
42) Bromodichloromethane	7.246	83	62011m	0.440	ppbv	
43) Methyl Methacrylate	7.481	69	20650m	0.342	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	110095	0.404	ppbv #	91
45) t-1,3-Dichloropropene	8.716	75	16484m	0.308	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	24635	0.330	ppbv	89
47) 1,1,2-Trichloroethane	8.902	97	30631m	0.446	ppbv	
48) Dibromochloromethane	9.709	129	43163m	0.393	ppbv	
49) Bromoform	12.407	173	33073m	0.386	ppbv	
50) 4-Methyl-2-Pentanone	8.201	43	59895	0.373	ppbv	93
51) 2-Hexanone	9.574	43	41604m	0.337	ppbv	
52) Tetrachloroethene	10.613	164	21493m	0.422	ppbv	
53) Toluene	9.230	91	57264	0.328	ppbv	99
54) 1,2-Dibromoethane	10.008	107	29639	0.415	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.513	131	36844m	0.473	ppbv	
57) Chlorobenzene	11.529	112	65071m	0.480	ppbv	
58) Ethyl Benzene	12.095	91	79920m	0.354	ppbv	
59) m/p-Xylene	12.384	91	157868m	0.790	ppbv	
60) o-Xylene	13.066	91	76112	0.396	ppbv	96
61) Styrene	12.905	104	28150m	0.279	ppbv	
62) Isopropylbenzene	14.040	105	117545	0.426	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.050	83	34449m	0.497	ppbv	
64) n-propylbenzene	14.921	120	26440m	0.387	ppbv	
65) tert-Butylbenzene	16.101	119	95888m	0.400	ppbv	
66) Benzyl Chloride	16.339	91	6706m	0.420	ppbv	
67) sec-Butylbenzene	16.645	105	140585	0.409	ppbv	100
69) p-Isopropyltoluene	17.005	119	106483m	0.390	ppbv	
70) n-Butylbenzene	17.899	91	109976	0.371	ppbv	99
71) 2-Chlorotoluene	14.805	91	77655	0.368	ppbv	99
72) 4-Ethyltoluene	15.204	105	85073m	0.400	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	75154	0.380	ppbv	89
74) 1,2,4-Trimethylbenzene	16.114	105	92367	0.425	ppbv	93
75) 1,3-Dichlorobenzene	16.339	146	51252m	0.431	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	51071m	0.438	ppbv	
77) 1,2-Dichlorobenzene	17.156	146	52753m	0.447	ppbv	
78) Hexachloro-1,3-Butadiene	22.644	225	37369m	0.461	ppbv	
79) Naphthalene	21.403	128	35624m	0.292	ppbv	
80) Naphthalene,2-methyl-	24.387	142	4928m	0.142	ppbv	
81) 1,2,4-Trichlorobenzene	21.156	180	27628m	0.362	ppbv	

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

Manual Integrations

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