

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040210.D
 Acq On : 22 Feb 2023 00:52
 Operator : SY/MD
 Sample : 01627-13 LOD 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Feb 22 05:10:48 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	5.192	49	809108	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.652	114	2056286	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.471	117	1858473	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1587438 10.387 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.723	85	74939	0.497	ppbv	99
3) Chlorodifluoromethane	2.671	51	45803	0.474	ppbv	100
4) Chloromethane	2.809	50	26902	0.443	ppbv	89
5) Vinyl Chloride	2.912	62	21206	0.435	ppbv	91
6) Bromomethane	3.115	94	7177	0.408	ppbv	99
7) Chloroethane	3.195	64	8054	0.416	ppbv #	79
8) Dichlorotetrafluoroethane	2.851	85	55999	0.431	ppbv	94
9) Propene	2.694	41	17006	0.432	ppbv	99
10) Heptane	7.581	43	31471	0.336	ppbv	98
11) Trichlorofluoromethane	3.559	101	60972	0.451	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.057	101	47479m	0.476	ppbv	
13) Ethanol	3.253	45	1587	0.438	ppbv #	16
14) Bromoethene	3.359	108	15807	0.413	ppbv #	89
15) Acetone	3.481	43	46966	0.482	ppbv	92
16) 1,3-Butadiene	2.980	39	17637	0.396	ppbv	91
17) tert-Butyl alcohol	3.896	59	35106	0.395	ppbv	95
18) 1,1-Dichloroethene	3.877	96	19620	0.452	ppbv	92
19) Isopropyl Alcohol	3.597	45	22180	0.479	ppbv #	86
20) Methylene Chloride	3.932	84	28314	0.558	ppbv #	95
21) Allyl Chloride	3.993	41	24535	0.411	ppbv	97
22) trans-1,2-Dichloroethene	4.443	96	17824	0.397	ppbv	96
23) Vinyl Acetate	4.629	43	12961m	0.438	ppbv	
24) 1,1-Dichloroethane	4.565	63	40257	0.436	ppbv	96
25) Ethyl Acetate	5.214	43	72121	0.398	ppbv	97
26) Hexane	5.214	57	31057m	0.400	ppbv	
27) Carbon Disulfide	4.124	76	38527m	0.391	ppbv	
28) Methyl tert-Butyl Ether	4.597	73	35072m	0.421	ppbv	
29) Chloroform	5.272	83	59422	0.445	ppbv	97
30) Cyclohexane	6.597	84	31798m	0.521	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	32116m	0.435	ppbv	
32) 1,1,1-Trichloroethane	5.999	97	50795	0.405	ppbv	93
34) 2-Butanone	4.800	43	42186	0.416	ppbv	93
35) Carbon Tetrachloride	6.491	117	51307	0.422	ppbv	95
36) Benzene	6.375	78	57512	0.359	ppbv	96
37) 1,2-Dichloroethane	5.809	62	43484m	0.434	ppbv	
38) Trichloroethene	7.292	130	34817m	0.395	ppbv	
39) 1,2-Dichloropropane	7.070	63	26868m	0.432	ppbv	
40) 1,4-Dioxane	7.324	88	9634m	0.387	ppbv	
41) Tetrahydrofuran	5.581	42	21633m	0.368	ppbv	
42) Bromodichloromethane	7.250	83	52243	0.378	ppbv	91
43) Methyl Methacrylate	7.484	69	18622m	0.314	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	94022	0.352	ppbv #	91
45) t-1,3-Dichloropropene	8.722	75	15319m	0.292	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	20784	0.284	ppbv	90
47) 1,1,2-Trichloroethane	8.899	97	26565	0.395	ppbv	96
48) Dibromochloromethane	9.716	129	36938m	0.343	ppbv	
49) Bromoform	12.414	173	26912m	0.320	ppbv	
50) 4-Methyl-2-Pentanone	8.208	43	53092	0.337	ppbv	97
51) 2-Hexanone	9.587	43	38523m	0.318	ppbv	
52) Tetrachloroethene	10.623	164	19733	0.395	ppbv #	78
53) Toluene	9.224	91	50878	0.297	ppbv	99
54) 1,2-Dibromoethane	10.015	107	26613m	0.380	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	29873	0.383	ppbv #	1
57) Chlorobenzene	11.529	112	56167	0.414	ppbv	93
58) Ethyl Benzene	12.095	91	69798m	0.309	ppbv	
59) m/p-Xylene	12.378	91	139811m	0.699	ppbv	
60) o-Xylene	13.066	91	63698m	0.331	ppbv	
61) Styrene	12.905	104	26440m	0.262	ppbv	
62) Isopropylbenzene	14.031	105	99727	0.361	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.053	83	30774m	0.444	ppbv	
64) n-propylbenzene	14.925	120	24228m	0.354	ppbv	
65) tert-Butylbenzene	16.101	119	83879m	0.349	ppbv	
66) Benzyl Chloride	16.359	91	4969m	0.311	ppbv	
67) sec-Butylbenzene	16.648	105	121359	0.352	ppbv	99
69) p-Isopropyltoluene	17.008	119	89950m	0.329	ppbv	
70) n-Butylbenzene	17.899	91	103464m	0.349	ppbv	
71) 2-Chlorotoluene	14.809	91	71807m	0.340	ppbv	
72) 4-Ethyltoluene	15.201	105	68325	0.321	ppbv	98
73) 1,3,5-Trimethylbenzene	15.365	105	68070m	0.344	ppbv	
74) 1,2,4-Trimethylbenzene	16.118	105	81628m	0.375	ppbv	
75) 1,3-Dichlorobenzene	16.343	146	46977m	0.395	ppbv	
76) 1,4-Dichlorobenzene	16.478	146	46867m	0.402	ppbv	
77) 1,2-Dichlorobenzene	17.153	146	44684	0.378	ppbv	94
78) Hexachloro-1,3-Butadiene	22.645	225	34186m	0.421	ppbv	
79) Naphthalene	21.400	128	30026m	0.246	ppbv	
80) Naphthalene,2-methyl-	24.397	142	4024m	0.116	ppbv	
81) 1,2,4-Trichlorobenzene	21.159	180	22840m	0.299	ppbv	

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

