

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040219.D
 Acq On : 23 Feb 2023 12:35
 Operator : SY/MD
 Sample : 01627-15 0.45 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

Quant Time: Feb 24 01:01:34 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 : Fri Feb 24 00:45:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	845418	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2170017	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	1933920	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.780	95	1594835	10.029	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	91030	0.578	ppbv	93
3) Chlorodifluoromethane	2.665	51	52547	0.520	ppbv	98
4) Chloromethane	2.803	50	34751	0.548	ppbv	98
5) Vinyl Chloride	2.912	62	26061	0.511	ppbv	95
6) Bromomethane	3.108	94	9635m	0.524	ppbv	
7) Chloroethane	3.189	64	10130m	0.501	ppbv	
8) Dichlorotetrafluoroethane	2.848	85	70160	0.517	ppbv	98
9) Propene	2.684	41	23321	0.566	ppbv	99
10) Heptane	7.578	43	44408	0.453	ppbv	100
11) Trichlorofluoromethane	3.558	101	73035	0.517	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	54876	0.526	ppbv	97
13) Ethanol	3.256	45	2259m	0.596	ppbv	
14) Bromoethene	3.362	108	18891	0.472	ppbv #	82
15) Acetone	3.478	43	65143m	0.640	ppbv	
16) 1,3-Butadiene	2.980	39	23791	0.512	ppbv	93
17) tert-Butyl alcohol	3.890	59	51216	0.552	ppbv	95
18) 1,1-Dichloroethene	3.874	96	22343	0.493	ppbv	87
19) Isopropyl Alcohol	3.591	45	27979	0.578	ppbv #	94
20) Methylene Chloride	3.925	84	35770	0.675	ppbv	92
21) Allyl Chloride	3.989	41	31460	0.504	ppbv	89
22) trans-1,2-Dichloroethene	4.439	96	24390	0.520	ppbv	84
23) Vinyl Acetate	4.632	43	17872m	0.579	ppbv	
24) 1,1-Dichloroethane	4.558	63	49790	0.516	ppbv	98
25) Ethyl Acetate	5.211	43	95560	0.505	ppbv	98
26) Hexane	5.214	57	41838m	0.515	ppbv	
27) Carbon Disulfide	4.124	76	45225	0.439	ppbv #	88
28) Methyl tert-Butyl Ether	4.591	73	44229m	0.508	ppbv	
29) Chloroform	5.266	83	68441	0.491	ppbv	94
30) Cyclohexane	6.607	84	36429m	0.571	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	35474	0.460	ppbv	95
32) 1,1,1-Trichloroethane	6.002	97	66569	0.508	ppbv	98
34) 2-Butanone	4.800	43	55626m	0.520	ppbv	
35) Carbon Tetrachloride	6.491	117	62262	0.485	ppbv	97
36) Benzene	6.369	78	81933	0.485	ppbv #	92
37) 1,2-Dichloroethane	5.806	62	51902	0.491	ppbv	100
38) Trichloroethene	7.295	130	42332	0.455	ppbv	93
39) 1,2-Dichloropropane	7.076	63	29526	0.449	ppbv	91
40) 1,4-Dioxane	7.327	88	13438m	0.511	ppbv	
41) Tetrahydrofuran	5.578	42	27423	0.442	ppbv	96
42) Bromodichloromethane	7.250	83	62772	0.431	ppbv #	98
43) Methyl Methacrylate	7.481	69	26168m	0.419	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	132069	0.468	ppbv	95
45) t-1,3-Dichloropropene	8.719	75	19261	0.347	ppbv #	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	30487	0.395	ppbv	89
47) 1,1,2-Trichloroethane	8.905	97	35330m	0.497	ppbv	
48) Dibromochloromethane	9.716	129	46281	0.407	ppbv	99
49) Bromoform	12.413	173	32600m	0.368	ppbv	
50) 4-Methyl-2-Pentanone	8.201	43	71779	0.432	ppbv	99
51) 2-Hexanone	9.581	43	50843m	0.398	ppbv	
52) Tetrachloroethene	10.616	164	25789	0.489	ppbv	89
53) Toluene	9.224	91	73187m	0.405	ppbv	
54) 1,2-Dibromoethane	10.012	107	36211m	0.490	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	37954	0.468	ppbv #	1
57) Chlorobenzene	11.532	112	67628	0.479	ppbv #	88
58) Ethyl Benzene	12.098	91	95782	0.408	ppbv	91
59) m/p-Xylene	12.378	91	189512m	0.911	ppbv	
60) o-Xylene	13.066	91	86623m	0.433	ppbv	
61) Styrene	12.902	104	36532m	0.347	ppbv	
62) Isopropylbenzene	14.034	105	131760	0.458	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.050	83	35542m	0.493	ppbv	
64) n-propylbenzene	14.921	120	32297m	0.454	ppbv	
65) tert-Butylbenzene	16.095	119	107723	0.431	ppbv	92
66) Benzyl Chloride	16.336	91	6359m	0.382	ppbv	
67) sec-Butylbenzene	16.648	105	161630	0.451	ppbv	98
69) p-Isopropyltoluene	17.002	119	111482	0.392	ppbv #	93
70) n-Butylbenzene	17.895	91	132285m	0.429	ppbv	
71) 2-Chlorotoluene	14.806	91	96189	0.438	ppbv	98
72) 4-Ethyltoluene	15.204	105	100167m	0.452	ppbv	
73) 1,3,5-Trimethylbenzene	15.359	105	79147	0.384	ppbv	93
74) 1,2,4-Trimethylbenzene	16.117	105	98476	0.435	ppbv #	84
75) 1,3-Dichlorobenzene	16.336	146	59899m	0.484	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	57559m	0.474	ppbv	
77) 1,2-Dichlorobenzene	17.150	146	57317m	0.466	ppbv	
78) Hexachloro-1,3-Butadiene	22.641	225	43093m	0.510	ppbv	
79) Naphthalene	21.400	128	50130m	0.394	ppbv	
80) Naphthalene,2-methyl-	24.387	142	10989m	0.304	ppbv	
81) 1,2,4-Trichlorobenzene	21.156	180	31185m	0.392	ppbv	

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

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